



Dr. N.G.P. INSTITUTE OF TECHNOLOGY

COIMBATORE - 641 048

SELF STUDY REPORT

JUNE 2014



SUBMITTED TO

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

Dr. N.G.P. INSTITUTE OF TECHNOLOGY

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PREFACE

Dr. N.G.P. Institute of Technology is horizontally positioned in the emerging and expanding conglomerate of Dr. N.G.P. Educational Institutions, proven for quality and a defining democratic approach to education. While the Kovai Medical Center Research and Educational Trust arose on the horizon of the expectations of quality healthcare in the minds of Coimbatoreans, the Institute of Engineering was established in 2007 with the aim of sustaining the acknowledged Engineering tradition prevalent in the city of Coimbatore.

The college that started with 4 Engineering disciplines has grown today offering 7 UG and 6 PG programs in Engineering as well as proficiency studies in Business Administration and Computer Applications.

In order to give paramount importance to quality, the Institution was granted ISO 9001:2008 status by TUV SUD Germany, during 2007. The UGC granted 2(f) status during 2014.

At present there are 162 faculty members of whom 26 are Doctorates. This exercise of submitting ourselves for accreditation by NAAC has been a rewarding and learning experience. The SWOC analysis drew out our capacity for both assertions of our strengths as well as reconciling to the inherent flaws in a system that strives towards total accountability in higher education. It further provided invaluable insights on how to strike out into new directions keeping in mind the emerging technologies and a learning community who need to be galvanized into research and contribution as responsible citizens.

The report has been the outcome of the collective effort of a team across all departments.

Dr. K.PORKUMARAN
Principal

**EXECUTIVE SUMMARY
AND
SWOC ANALYSIS**

Executive Summary and SWOC Analysis

From small beginnings to great achievements could never have been better chronicled in the unfolding of the Dr. N.G.P. Educational Institutions pages of eventful history.

Two remote, unheard villages in the district of Erode, Tamilnadu, namely Nallampatti and Kullampalayam gained a stature all their own when two of its offspring Dr. Nalla Gounder Palaniswami and Dr. Thavamani D Palaniswami rose to prominence in the fields of Healthcare and Education. Hard work and single minded determination alone, enabled Nalla Gounder Palaniswami, an entry into the illustrious Stanley Medical College, Chennai, where he also completed his masters while Dr. Thavamani D. Palaniswami, did her Bachelor of Medicine from Kilpauk Medical College, Chennai and M.D. Paediatrics in USA. Utilizing an opportunity to study abroad, Dr N.G.P. specialized in Internal Medicine at Cincinnati, Ohio, followed by a Fellowship in Endocrinology and Metabolism from Wayne State University, Detroit and Dr. Thavamani specialized in Pediatrics, American Board.

The stage was set and along with his partner in life and in common pursuits as in education and medicine they turned their eyes homeward. Armed with a global outlook, the doctors realized the need for specialized medical care in their own country. Dr. Nalla G Palaniswami, who was resolute in setting up a multi speciality hospital, established The Kovai Medical Center and Hospital, a 850 bedded hospital at Avinashi Road, Coimbatore.

Today the same has grown into India's second largest corporate super speciality hospital providing high quality patient care by a team of some of the best doctors from across the globe. In a pioneering effort, AOSTA Software Technologies was established to provide software support to the hospital management system. In 2010, KMCH was recognized as the **Best IT Enabled Hospital in the Country**. Another aggressive expansion by the KMCH has been the establishment of a Comprehensive Cancer Center. KMCH also extends its service through a network of satellite hospitals, community health care centres and trauma care centres.

Realizing that education can be a harbinger of change, the Trust established educational institutions to extend educational opportunities to a wide cross section of society, covering areas of science, arts, allied healthcare and technology. This service is grown over a period of 15 years.

Dr. Nalla G Palaniswami and Dr. Thavamani D Palaniswami have been honoured with several prestigious awards in recognition of their yeoman service to Healthcare and Education.

Dr. Nalla G Palaniswami

- Rotary Coimbatore Galaxy's **For The Sake of Honour Award**, for contribution to Healthcare and Education in 2010.
- Bharathiar University's **Doctor of Science**, for contribution to Medicine and Education in 2011.
- Tamilnadu Dr. MGR Medical University's **Life Time Achievement Award**, for contribution to Medical Education and Health care services in 2012.
- The Chennai Kongu Nanbargal Sangam's **Kongu Maamani Award** for yeomen service to the community in 2013
- **Life Time Achievement Award**, Tamilnadu State Indian Medical Association on the eve of Doctors Day at Chennai in 2013.
- **Best Doctor Award** by Indian Medical Association, Coimbatore branch on Doctors Day in 2013.
- **Plaque of Honour** from the President of Indian and American societies of Interventional Radiology in 2013

Dr. Thavamani D Palaniswami

- **Life Time Achievement** award by Dr. MGR Medical University in 2013
- The Hindu's **Woman of the Year** Award in 2013
- Lions Club International's **Penmaiyaipottruvom** Award in 2013
- **Eminent Personality of the Decade** Award by Rotary Club, Coimbatore in 2013
- **Women of Substance** award by Aatma Foundation in 2014

With a view to extend the benefits of education to one and all in a true spirit of democracy, the following institutions testify to the spectacular growth by the turn of the century.

- Kovai Medical Center Research and Educational Trust
- KMCH College of Nursing
- KMCH College of Pharmacy
- KMCH College of Physiotherapy
- KMCH College of Occupational Therapy
- Dr. N.G.P Arts and Science College
- Dr. N.G.P Institute of Technology
- Dr. N.G.P College of Education
- The NGP School

Dr. N.G.P. Institute of Technology established in 2007 is located at Kalapatti, in the vicinity of the Coimbatore Airport. The Institute is approved by AICTE and affiliated to Anna University, Chennai. Presently the Institution offers seven under graduate engineering programmes and six post graduate programmes.

B.E.	Biomedical Engineering
B.E.	Civil Engineering
B.E.	Computer Science and Engineering
B.E.	Electronics and Communication Engineering
B.E.	Electrical and Electronics Engineering
B.Tech.	Information Technology
B.E.	Mechanical Engineering
M.E.	Computer Science and Engineering
M.E.	Embedded System Technologies
M.E.	Engineering Design
M.E.	Power Electronics and Drives
M.B.A.	Master of Business Administration
M.C.A.	Master of Computer Applications

Dr. N.G.P.IT's vast educational complex offers career centric and value based education. It provides access to a wide range of learning resources to create students as agents of change in a changing global scenario.

Strengths

- College certified with 2(f) status by UGC.
- College certified with ISO 9001:2008 by TUV SUD, Germany.
- Our College works with an eminent intellectual workforce of 26 Doctorates, 31 M.Phils with numbers steadily increasing
- Students from underprivileged sections of society are provided an opportunity to receive quality education.
- Commendable increase in number of University ranks every year.
- No discrimination is shown in terms of nationality, religion, social class, caste or skill-sets on campus or in the hostels.
- Meritorious and economically weak students benefit from scholarships and provision is offered for payment of fees in installments.
- Close mentoring and monitoring of students is done and a healthy faculty-student relationship is maintained.

- Bridge courses and remedial teaching sessions are conducted for the students who require assistance to improve their academic performance.
- Value added courses are conducted in collaboration with industries to integrate knowledge with skill which in turn will enhance learning and creativity.
- Centres of Excellence have been established to make the students industry ready
- Under the existing global conditions with regard to jobs, extreme measures are being taken to find suitable placements for students.
- Orientation programmes at the institution and department level for both new and existing faculty about the vision, mission and campus culture are imparted.
- The college encourages faculty participation in seminars, workshops, conferences and faculty development programmes.
- The college conducts seminars, workshops, conferences and faculty development programmes at the department and college level to strengthen existing knowledge base.
- The college provides state-of-the-art infrastructural facilities, well lit and airy class rooms, fully equipped labs, library stocked with a range of reference books, text books, journals, magazines, online resources, back issues and digital library.
- Efficient use of Management Information System enables the day-to-day functioning of the college and the administrative system.
- Performance feedback is collected from all stakeholders to initiate changes.
- E-Learning Resources made more easily accessible.
- Professional Societies and chapters established with student and faculty membership and active participation.
- Life Skills and Professional Skill training is provided through well-planned programmes.
- Minimal dropout rate, conceding migration applicants alone.
- Sports, literary, cultural and other extracurricular activities are promoted and incorporated into the educational system.
- Social awareness and social responsibility are instilled in the students through a number of extension activities.
- Grievance-redressal system is in place to address sensitive situations.
- Concessions in medical fees at KMCH for both students and faculty.

- Transportation system to meet student and staff travel requirement.
- Separate hostels for male and female students and faculty.
- Travel grants offered to students and staff pursuing research and for those who are selected for national and international presentations.
- Staff Welfare schemes that are beneficial in maintaining strong bonds between the institution and the faculty.

Weaknesses

- Challenges in securing funded projects
- Lack of adequate consultancy output.
- To translate projects into products.

Opportunities

- To introduce new programmes in line with changing emphases in higher education.
- To revamp infrastructure periodically to meet growing student strength and additional programmes.
- More faculty to take up research work and pursue higher studies to enhance career development.
- Introduce innovative add-on programmes to suit divergent needs of students and satisfy industry expectations.
- To introduce more courses with Industry Certification.
- To tie-up with higher education institutions to promote knowledge exchange programmes.
- To attract foreign national students.

Challenges

- Achieve zero drop out rate.
- Promoting funded research projects.
- Obtaining Patents.

PROFILE OF THE COLLEGE

Profile of the College

1. Name and address of the college:

Name	: Dr. N.G.P. INSTITUTE OF TECHNOLOGY
Address	: Dr. N.G.P. – Kalapatti , Coimbatore- 641 048

2. For communication :

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. K. Porkumaran	O: 0422 – 2369102	9894101804	0422– 2369106	principal@drngpit.ac.in porkumaran@gmail.com
Steering Committee Co-Ordinators	Dr. C.Kailasam	O :0422 – 2369130	9443014175	0422- 2369106	directormaths@drngpit.ac.in kailasamc@gmail.com
	Dr.F.Mary Magdalene Jane	O: 0422 - 2369109	9843075111	0422– 2369106	directormca@ drngpit.ac.in janejayakumar@gmail.com

3. Status of the of Institution :

Affiliated College	<input checked="" type="checkbox"/>
Constituent College	<input type="checkbox"/>
Any other (specify)	<input type="checkbox"/>

4. Type of Institution :

a. By Gender

i. For Men	<input type="checkbox"/>
ii. For Women	<input type="checkbox"/>
iii. Co-education	<input checked="" type="checkbox"/>

b. By Shift

i. Regular	<input checked="" type="checkbox"/>
ii. Day	<input type="checkbox"/>
iii. Evening	<input type="checkbox"/>

5. Is it a recognized minority institution?

Yes	<input type="checkbox"/>
No	<input checked="" type="checkbox"/>

If yes specify the minority status (Religious / linguistic / any other) and provide documentary evidence.

6. Source of funding:

Government	<input type="checkbox"/>
Grant-in-aid	<input type="checkbox"/>
Self-financing	<input checked="" type="checkbox"/>
Any other	<input type="checkbox"/>

7. a. **Date of establishment of the college:** 14/09/2007

b. **University to which the college is affiliated /or which governs the college (If it is a constituent college) :** Anna University, Chennai

c. **Details of UGC recognition:**

Under Section	Date, Month & Year (dd-mm-yyyy)	Remarks (If any)
i. 2 (f)	21.12.2013	Ref: F.No: 8-427/2013 (CPP - I/C)
ii. 12 (B)	-	-

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

d. **Details of recognition/approval by statutory/regulatory bodies other than UGC**
(AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section /clause	Recognition / Approval details Institution / Department / Programme	Day, Month and Year (dd-mm-yyyy)	Validity	Remarks
i.	AICTE	19.05.2013	1 Year	EOA

(Enclose the recognition/approval letter)

8. **Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?**

Yes No

If yes, has the College applied for availing the autonomous status?

Yes No

9. **Is the college recognized**

(a) **by UGC as a College with Potential for Excellence (CPE)?**

Yes No

(b) **for its performance by any other governmental agency?**

Yes No

Location of the campus and area in sq.mts:

Location *	Urban
Campus area in sq. mts.	76607 sq.mts
Built up area in sq. mts.	33557 sq.mts

(* Urban, Semi-urban, Rural, Tribal, Hilly Area, Any others specify)

10. Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

▪ Auditorium/seminar complex with infrastructural facilities

▪ Sports facilities

Play ground

Gymnasium

▪ Hostel

Boys' hostel

i. Number of hostels

ii. Number of inmates

iii. Facilities (Indoor, Wifi, Protected Water, 24 Hour Security, Ambulance)

Girls' hostel

iv. Number of hostels

v. Number of inmates

vi. Facilities (Indoor, Wifi, Protected Water, 24 Hour Security, Ambulance)

▪ Cafeteria – 200 Sq.M with seating capacity of 150

▪ Health centre – Kovai Medical Center and Hospital

First aid, Inpatient, Outpatient, Emergency care facility, Ambulance

Health centre staff –

Qualified doctor Full time Part-time

Qualified Nurse Full time Part-time

▪ Facilities like Banking, Book shops

Yes No

▪ Transport facilities to cater to the needs of students and staff

Yes No

11. Details of programmes offered by the college
(Give data for current academic year)

Sl. No	Programme Level	Name of the Programme / Course	Duration	Entry Qualification	Medium of instruction	Sanctioned / approved Student strength	No. of students admitted
1	Under-Graduate	Biomedical Engineering	4 Years	Pass in 12 th standard or equivalent with Mathematics, Physics & Chemistry	English	60	55
2		Civil Engineering	4 Years		English	60	59
3		Computer Science and Engineering	4 Years		English	60	45
4		Electronics and Communication Engineering	4 Years		English	120	106
5		Electrical and Electronics Engineering	4 Years		English	60	47
6		Information Technology	4 Years		English	60	39
7		Mechanical Engineering	4 Years		English	120	121
8		M.E (Embedded System Technologies)	2 Years	Passed an appropriate Under Graduate Degree Examination from recognized University	English	18	11

9	Post-Graduate	M.E (Power Electronics and Drives)	2 Years	Passed an appropriate Under-Graduate Degree Examination from recognized University	English	18	8
10		M.E (Computer Science and Engineering)	2 Years		English	18	16
11		M.E (Engineering Design)	2 Years		English	18	10
12		Master of Business Administration	2 Years	A pass in any Degree with 10+2+3/4 years pattern (or) A pass in any Degree with 10+3 (Diploma) +3 year pattern	English	120	66
13		Master of Computer Applications	3 Years	A pass in any Degree with 10+2+3/4 years pattern with Mathematics* at +2 level or with Mathematics/Statistics as one of the subjects at the degree level (or) A pass in any Degree with 10 +3 (Diploma) +3 years pattern with Mathematics at Diploma level or Mathematics / Statistics as one of the subjects at the degree level.	English	60	26

12. Does the college offer self-financed Programmes?

Yes No

If yes, how many?

Under Graduate - 7 Post Graduate - 6

13. New programmes introduced in the college during the last five years if any?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Number	9
-----	-------------------------------------	----	--------------------------	--------	---

14. List the departments: (respond if applicable only and do not list facilities like Library, Physical Education as departments, unless they are also offering academic degree awarding programmes. Similarly, do not list the departments offering common compulsory subjects for all the programmes like English, regional languages etc.)

Particulars	UG	PG	Research
Science	-	-	-
Arts	-	-	-
Commerce	-	-	-
Any Other not covered above	B.E. Biomedical Engineering B.E. Civil Engineering B.E. Computer Science and Engineering B.E. Electronics and Communication Engineering B.E. Electrical and Electronics Engineering B.Tech Information Technology B.E. Mechanical Engineering	M.E. Computer Science and Engineering M.E. Embedded System Technologies M.E. Engineering Design M.E. Power Electronics and Drives MBA Master of Business Administration MCA Master of Computer Applications	-

15. Number of Programmes offered under (Programme means a degree course like BE, B.Tech, ME, MCA, MBA...)

a. Annual system	NIL
b. Semester system	13
c. Trimester system	NIL

16. Number of Programmes with

a. Choice Based Credit System	NIL
b. Inter/Multidisciplinary Approach	NIL
c. Any other (specify and provide details)	NIL

17. Does the college offer UG and/or PG programmes in Teacher Education?

Yes No

18. Does the college offer UG or PG programme in Physical Education?

Yes No

19. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor		*M	*F	*M	*F
	*M	*F	*M	*F	*M	*F				
Sanctioned by the UGC / University / State Government <i>Recruited</i>	-	-	-	-	-	-	-	-	-	-
<i>Yet to recruit</i>	-	-	-	-	-	-	-	-	-	-
Sanctioned by the Management/society or other authorized bodies	10		21		119		31		51	
Recruited	11	3	11	10	42	85	7	24	40	11
<i>Yet to recruit</i>	0	0	0	0	0	0	0	0	0	0

*M-Male *F-Female

20. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	-	-	-	-	-	-	-
Ph.D.	11	3	5	2	2	3	26
M.Phil.	-	-	1	1	5	24	31
PG	-	-	5	7	35	58	105
Temporary teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-
Part-time teachers							
Ph.D.	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-
PG	-	-	-	-	-	-	-

21. Number of Visiting Faculty/Guest Faculty engaged with the College.

3

22. Furnish the number of the students admitted to the college during the last four academic years.

Categories	Year 1(2010-11)		Year 2(2011-12)		Year 3(2012-13)		Year 4(2013-14)	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	32	11	27	12	39	14	34	15
ST	-	-	-	-	2	-	-	-
OBC	167	144	269	151	336	207	330	184
General	71	51	45	23	69	42	31	25
Others	-	-	-	-	-	-	-	-

24. Details on students enrollment in the college during the current academic year:

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the same state where the college is located	486	147	-	-	633
Students from other states of India	46	29	-	-	75
NRI students	-	-	-	-	-
Foreign students	-	-	-	-	-
Total	532	176	-	-	708

25. Dropout rate in UG and PG (average of the last two batches)

UG

6.63 %

PG

3.82 %

26. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) Including the salary component

Rs. 90,057/-

(b) Excluding the salary component

Rs. 57,502/-

27. Does the college offer any programme/s in distance education mode (DEP)?

Yes

No

28. Provide Teacher-student ratio for each of the programme/course offered

1:15 (For B.E/B.Tech/MBA/MCA) and 1:12 (for ME)

29. Is the college applying for Accreditation:

Cycle 1 Cycle 2 Cycle 3 Cycle 4
Re-Assessment:

(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re-accreditation)

30. Date of accreditation*

(applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)

Cycle 1: (dd/mm/yyyy) Accreditation Outcome/Result....

Cycle 2: (dd/mm/yyyy) Accreditation Outcome/Result....

Cycle 3: (dd/mm/yyyy) Accreditation Outcome/Result....

** Kindly enclose copy of accreditation certificate(s) and peer team report(s) as an annexure.*

31. Number of working days during the last academic year.

264

32. Number of teaching days during the last academic year

(Teaching days means days on which lectures were engaged excluding the examination days)

192

33. Date of establishment of Internal Quality Assurance Cell (IQAC)

IQAC 14/03/2014

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

AQAR (i)NA (dd/mm/yyyy)

AQAR (ii) (dd/mm/yyyy)

AQAR (iii) (dd/mm/yyyy)

AQAR (iv) (dd/mm/yyyy)

35. Any other relevant data (not covered above) the college would like to include. Do not include explanatory/descriptive information)

ISO 9001: 2008 Certification by TUV SUD, Germany

**CRITERION WISE
ANALYSIS REPORT**

CRITERION - I

CURRICULAR ASPECTS

CRITERION - I

CURRICULAR ASPECTS

1.1 CURRICULUM PLANNING AND IMPLEMENTATION

1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the students, teachers, staff and other stakeholders.

Vision

Dr. N.G.P. Institute of Technology, endeavors to be a place of excellence offering good infrastructure, an innovative and research oriented teaching community and a conducive atmosphere to learning. These elements help unfold the imagination and knowledge of young technical graduates. Dr. N.G.P. Institute of Technology, stands focused to ensure and promote knowledge and an identity based education committed to responsible citizenship.

Mission

Dr. N.G.P. Institute of Technology is committed to produce graduates of sound technical knowledge inclined towards research and innovation. It strives to inculcate ethical standards and good character in the minds of young professionals. They are sculpted to be the right kind of technocrats and scientists for the nation.

Objectives

- Provide contemporary technical education through training and research facilities in the emerging engineering areas
- Augment human resource through student-centered training programmes that caters to the manpower requirements of a global market
- Grow into a Centre of Excellence in domain knowledge by ensuring the presence of experienced and dedicated staff
- Initiate measures to strengthen the research base through progressive update of infrastructural facilities.

The Vision and Mission of the Institute is disseminated among the students, parents and public in the following manner:

- Display boards situated at prominent locations
- Brochures, prospectus and handbooks
- Institute website
- Orientation programmes for newly inducted staff
- Induction programmes for fresh UG/PG entrants
- Tutor -ward meetings
- Friday forum – exclusive to first year students
- Parent-Teacher meetings
- Alumni meetings
- Extension/Outreach programmes .

1.1.2. How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

Being an affiliated institute, the curriculum prescribed and academic schedule issued by Anna University, Chennai, is strictly followed. However, the Academic Development Cell (ADC) constituted in the college prepares a plan for effective curriculum implementation, the details of which are given below.

DEPLOYMENT OF ACTION PLAN

ACADEMIC CALENDAR

- An academic calendar is prepared by the individual departments aligned with the schedule from Anna University, Chennai.
- Time Plan for
 - ✓ Curriculum delivery
 - ✓ Continuous Assessment and Evaluation
 - ✓ Enrichment Programs
 - ✓ Guest lectures, workshops, seminars and Conferences.

ENTRY LEVEL ASSESSMENT

- Diagnostic tests are conducted to assess the learner's knowledge in English, Mathematics and Basic Sciences
- Remedial courses are offered based on necessity.

ORIENTATION TO CORE DISCIPLINES

- Prerequisite courses to core subjects in Semester III extended to lateral entry students. The details exemplified in Table 1.1

COURSE PLAN

- Teaching plan is prepared by faculty covering the topics, schedules, reference materials, teaching aids and methodologies
- Uniformity in content coverage and assessment is ensured
- Lecture notes on important topics made available on the web portal for students' reference
- Assistive materials for examination preparation made available.

CURRICULUM ENRICHMENT

- E-learning centre is established which transacts resources from NPTEL, Eklavya Technology Channel and E-learning resources
- Invited talks by eminent professionals from industry and academia.
- Case studies and industry visits
- Value additions through industry powered laboratories.

ACADEMIC AUDITS

- ISO surveillance audits by the TUV SUD team to ensure conformance with stated objectives
- Academic audits by the Academic Auditing Cell are conducted to ensure effective functioning of the academic system
- Periodic Tutor-ward meetings, Class Committee meetings and End Semester review meetings are held to assess students' academic progress.

FEEDBACK

- Regular feedback is obtained from stakeholders for the following:
 - ✓ Curriculum delivery
 - ✓ Electives, enrichment programs
 - ✓ University question papers
 - ✓ Invited talks, Seminars, Workshops and Conferences.

TABLE 1.1

DETAILS OF BRIDGE COURSES

S. NO	DEPARTMENT	SUBJECTS TAUGHT	TARGET GROUP
1.	Mathematics	<ul style="list-style-type: none"> ▪ Matrices ▪ Vector Algebra ▪ Series and Sequences ▪ Analytical Geometry ▪ Trigonometry ▪ Differential Calculus ▪ Integral Calculus ▪ Differential Equations ▪ Laplace Transforms 	Fresh Entrants
2.	English	<ul style="list-style-type: none"> ▪ Listening, Speaking, Reading and Writing Skills ▪ Grammar and pronunciation ▪ Vocabulary building ▪ Using language in social contexts 	Fresh Entrants
3.	Computer Science and Engineering/ Information Technology	<ul style="list-style-type: none"> ▪ Computer Organization & Architecture ▪ Principles of Programming Languages ▪ Internet Concepts 	Fresh Entrants
4.	Electrical and Electronics Engineering	<ul style="list-style-type: none"> ▪ Semiconductors, Electronics Component and its Applications ▪ Fourier Series, Fourier Transforms , Differential Equations, Laplace and Z-transforms ▪ Basics of Scalar, Vector, Divergent and Energy Field Density, Power system concepts 	Lateral Entrants
5.	Mechanical Engineering	<ul style="list-style-type: none"> ▪ Fundamentals of IC Engines ▪ Concepts: Thermodynamics & Fluid Mechanics 	Lateral Entrants
6.	Civil Engineering	<ul style="list-style-type: none"> ▪ Electronics Surveying ▪ Fundamentals of Architecture ▪ Remote Sensing Techniques and GIS 	Lateral Entrants
7.	Biomedical Engineering	<ul style="list-style-type: none"> ▪ Basic Electronics devices ▪ Concepts: C and C++ ▪ Basic Mechanics ▪ Organic Chemistry ▪ Basics of Anatomy and Human Physiology ▪ Differential Equations, Laplace and Z-transforms 	Lateral Entrants

8.	Master of Computer Applications	<ul style="list-style-type: none"> ▪ Introduction to Programming ▪ Linear and Non linear data structures ▪ Database Design and Normalization ▪ Analysis of Algorithms ▪ Memory Management ▪ Network Architecture ▪ Mathematical Foundations <ul style="list-style-type: none"> a. Matrices b. Set Theory c. Formal Languages 	Lateral Entrants
9.	Master of Business Administration	<ul style="list-style-type: none"> ▪ Accounting for Management ▪ Communication Skills ▪ Statistics for Management 	Fresh Entrants

1.1.3. What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

Several faculty empowerment programmes organised by the institute in collaboration with Institute and Industry partners equip them with additional knowledge and skills, which is effectively translated in their approach to the curriculum and teaching practices. Details exemplified in section 6.3.1

a) Orientation programmes

The Institution conducts Orientation programmes at the beginning of every year to acquaint the newly recruited faculty with the institution’s work norms, culture and professional approach. Workshops by senior faculty to this effect educate on teaching methodologies both traditional and modern.

b) Programs for effective curriculum transaction

Eminent academicians like Dr. S.N.Sivanandam, Former Professor PSG College of Technology, Professor Emeritus, Karpagam University, Dr. R.Nadarajan, Head, Department of Applied Mathematics and Computational Sciences, PSG College of Technology and Dr. P.R. Muthuswamy, Principal Dr.NGP Arts and Science College have given insights into teaching learning processes.

A Faculty Development Programme on “Instructional Design and Delivery Systems” was organised in association with The National Institute of Technical Teachers Training and Research (NITTTR), Chennai, under the Ministry of Human Resource Development, Government of India.

The institution is partnered with Wipro Mission10X to conduct faculty empowerment programs on effective teaching-learning methods and implementing ICT methods in teaching.

c) Programs to update Technical skills

- Staff are deputed to attend programmes organised by Anna University of Technology and other organisations
- Encouragement to attend year round Faculty Development Programmes
- Training programmes for Bridge courses in basic sciences and languages
- Staff are encouraged to participate in FDPs conducted by other reputed institutes and industries
- The institute hosted A Faculty Development Program on “C# and .NET Framework”, sponsored by the Anna University, Coimbatore, where teachers from other affiliated colleges stood to benefit.

The institute hosted skill enrichment programmes in association with industries and other corporate bodies.

- A skill development programme on Oracle 11g in collaboration with ICT Academy of Tamil Nadu (ICTACT)
- Advanced Refresher Programme for VLSI in collaboration with Cadence Design Systems, Bangalore and ICTACT
- Ebiz Essentials for Implementers using Oracle ERP by Oracle Corporation
- Siemens PLC and SCADA Training Programme by Siemens Ltd.
- LabVIEW Training by National Instruments.

In addition, the following facilities are provided for faculty:

- E-Learning resources, online Journals, Simulation Software, etc
- Faculty are deputed for National and International seminars, conferences and industry-academy confluence programs
- Installation of hi-tech Laboratories with MoUs of ORACLE Corporation, Siemens Limited, Cisco Systems Limited, IBM India Pvt. Ltd, Texas Instruments, National Instruments etc
- Memberships to Professional Societies are encouraged (Refer Table 1.2). This entitles them to receive newsletters, journals, invites to professional meets, sponsorship to conduct programmes and access to lectures by distinguished speakers.

TABLE 1.2
MEMBERSHIPS IN PROFESSIONAL SOCIETIES

S. NO	PROFESSIONAL SOCIETY	MEMBERS
1.	Association of Computing Machinery (ACM)	4
2.	Biomedical Engineering Society of India (BMESI)	5
3.	Coimbatore Productivity Council (CPC)	1
4.	Coimbatore Management Association (CMA)	13
5.	Computer Society of India (CSI)	14
6.	International Association of Engineers (IAENG)	2
7.	Institution of Engineers (IE)	2
8.	International Economics Development and Research Centre (IEDRC)	1
9.	Institute of Electrical and Electronics Engineers (IEEE)	6
10.	Institution of Engineering and Technology (IET)	2
11.	Institution of Electronics and Telecommunication Engineers (IETE)	1
12.	Indian Society for Technical Education (ISTE)	85

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

- Establishment of Academic Development Cell to ensure effective curriculum transaction and systematic assessment
- Invited resource persons keep the faculty/learner updated on the latest developments in industry
- Resources from National Programme on Technology Enhanced Learning (NPTEL), SPOKEN TUTORIAL - promoted by IIT Bombay in association with Ministry of Human Resource Development (MHRD) as part of its Mission for Education - Information and Communications Technology , Eklavya Technology Channel from IIT Bombay, are accessed to enrich supplementary learning
- State of the art infrastructural facilities, effectively supplement prescribed syllabus and enables the motivated learner to go beyond text

- Industry powered laboratories have been set up in association with Oracle Corporation, CISCO Systems Ltd, National Instruments, IBM India Pvt Ltd, Texas Instruments, Siemens Ltd, Dexler Information Solutions. These provide the range of connectivity with changing market trends
- Wi-Fi enabled campus with facilities like Intranet and Web-Portal for easy transaction of curriculum
- ISO 9001:2008 Certification from TUV SUD Germany, to ensure conformity to quality norms
- Recruitment of able and qualified faculty that ensures staff- student Ratio as per Anna University and AICTE norms.

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the University in effective operationalization of the curriculum?

- The Industry Institute Partnership Cell (IIPC) was set up in the year 2011 sponsored by AICTE
- The advisory committee of IIPC consists of experts from leading industries and research institutes. Expert opinions are obtained during advisory committee meetings from members from National Instruments, Novell Software Technologies, HCL Technologies Ltd., Wipro Technologies, Indian Institute of Space Science and Technology (IIST), Robert Bosch Engineering and Business Solutions, Rajshree Sugars, The Hindu etc
- The institution networks with industry members during national and international conferences. These international conferences serve as an interactive platform with knowledge partners like IEEE, Siemens, National Instruments, CISCO, ICTACT, CSI, ISTE, IIST, IETE , IE and Wayne State University.
- Experts are invited from Research organizations like ISRO, NASSCOM, DRDO, Vikram Sarabhai Space Centre (VSSC), IIST, Wayne State University, USA who enrich and enlarge awareness of the scope and advancement in the respective domains
- Seminars, workshops and special lectures are organised year round by the departments, providing a forum for interaction
- The inputs received through MoU partners, assist in curriculum enhancement and those through value added programmes, imparts information on latest trends in the industry

- Professors from reputed institutes like IIT, NIT, PSG College of Technology and Kumaraguru College of Technology are invited to enlighten students and staff on areas of complexity in basic sciences and Engineering
- Representation is made to the University for appropriate curriculum update through the members of Board of Studies.

1.1.6. What are the contributions of the institution and/or its staff members to the development of the curriculum by the University? (number of staff members / departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.)

The curriculum is prescribed by the University and a few senior Professors contribute to the design of the curriculum by serving as members on the University Board.

Dr.K.Porkumaran, Principal and Dr.V.Kumar Chinnayan, Head, Department of EEE, are a part of the syllabus framing committee for PG Studies, Electrical Engineering, Anna University, Chennai.

Dr.K.Porkumaran, Principal and Dr.S.Suresh Kumar, Head, Department of ECE were members of Board of Studies, Anna University of Technology, Coimbatore.

Regular feedback for University examinations is collected from faculty members through the Academic Development Cell and forwarded to the Principal. Deviations are represented to the University through the Principal.

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating University)by it? If ‘yes’, give details on the process (‘needs assessment’, design, development and planning) and the courses for which the curriculum has been developed.

As the institute is affiliated to the University, it does not enjoy the prerogative to design the curriculum.

1.1.8 How does the institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?

The institute ensures that the stated objectives are met through the following tools for validation of curriculum:

Framing of Teaching Plan with total purview of the allotted University schedule and complexity of the topics determined while conforming to the objectives of the curriculum.

- Two faculty members are engaged to monitor tutorial classes in analytical subjects on a one-to-one basis
- Periodic monitoring of the laboratory experiments, syllabus coverage and student attendance is done by the academic coordinators, Heads of the Departments and Principal
- Cycle tests and internal assessments are a regular feature that ensures familiarity with curriculum and understanding of concepts
- Performance analysis of the students is conducted after every internal assessment, where the slow and advanced learners are identified
- Difficulty level of the learner is ascertained by a cross examination of quick and slow learners at class committee meetings
- Remedial measures for slow learners is carried out either by repeat performance or special coaching which ensures that the curriculum is well comprehended
- Conduct of periodic Academic Audits and ISO surveillance audits to ensure conformance with the objectives.
- Feedback from students is obtained periodically by the heads of departments in closed meetings, tutor ward meetings, class committee meetings and end semester meetings
- Attendance is monitored on daily basis and brought to the notice of both parents and authorities. This weakens the trend towards absenteeism and helps regularize the system. Counseling is also provided by professionals
- Students who are absent due to genuine health reasons are permitted to take retests, following University norms. All academic support is provided to rehabilitate the learners.

1.2 ACADEMIC FLEXIBILITY

1.2.1 Specifying the goals and objectives give details of the certificate/diploma/ skill development courses etc., offered by the institution.

Skill development is the matrix around which evolves a bright engineering future. To achieve this a range of customized, industry specific and market relevant courses are offered by the institute through Memorandum of Understanding through Centres of Excellence with industries and other organizations.

TABLE 1.3**DETAILS OF VALUE ADDED COURSES**

S. NO.	COURSE	BRANCH	MoU PARTNER	NO. OF BENEFICIARIES
1.	Oracle E-Business suite Essential for implementers	Master of Business Administration	Oracle Corporation	143
2.	Statistical Package for Social Sciences – (SPSS)	Master of Business Administration	IBM India Pvt. Ltd.	90
3.	IBM – Linux	Master of Computer Applications	Teknoturf Info Services Private Limited	57
4.	Java 2 Platform Enterprise Edition (J2EE)	Master of Computer Applications	Teknoturf Info Services Private Limited	48
5.	IBM Cloud Computing	Computer Science and Engineering Information Technology	IBM India Pvt. Ltd.	316
6.	Oracle 10g : Introduction to SQL and Administrative Workshop I	Master of Computer Applications Computer Science and Engineering Information Technology	Oracle Corporation	291
7.	National Instruments - LabVIEW	Electronics and Communication Engineering Electrical and Electronics Engineering Biomedical Engineering	National Instruments	641
8.	Siemens Training on “PLC (Programmable Logic Controllers)”	Electrical and Electronics Engineering	Siemens	482
9.	Siemens Training on " SCADA (Supervisory Control and Data acquisition)"	Electronics and Communication		

10.	Siemens Training on AC/DC Drives	Electrical and Electronics Engineering	Siemens	15
11.	Java Programming	Computer Science and Engineering	ICT Academy of Tamil Nadu	102
		Information Technology		
		Electrical and Electronics Engineering		
		Electronics and Communication Engineering		
		Master of Computer Applications		
12.	CCNA - CISCO Certified Network Associate Module1: Network Fundamentals Module2 : Routing Protocols	Electronics and Communication Engineering	CISCO System Limited	257
13.	Analog system Design using ASLK	Electronics and Communication Engineering	Texas Instruments	124
14.	VLSI Training using Xilinx	Electronics and Communication Engineering	CorEL Technologies	132
15.	Hands on Training with Digital Signal Processing – C2000	Electronics and Communication Engineering	Texas Instruments	260
16.	Embedded System Design With MSP-430	Electronics and Communication Engineering	Texas Instruments	128
17.	Software Testing	Computer Science and Engineering	IBM India Pvt. Ltd.	60
		Information Technology		
18.	PRO – E and CREO	Mechanical Engineering	CADD Centre	128
19.	AutoCAD (2D)	Civil Engineering	CADD Centre	134
20.	Revit Architecture	Civil Engineering	C-Cube Technologies	66

1.2.2 Does the institution offer programmes that facilitate twinning /dual degree? If ‘yes’, give details.

Since the institution is affiliated to Anna University, Chennai it does not extend to offer twinning/ dual degree programs.

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability Range of Core /Elective options offered by the University and those opted by the college

The University offers a range of electives. However, students are guided by findings of industry requirements as well as feedback and suggestions from faculty and successful alumni, thereby rendering the decision both personally chosen and viable.

**TABLE 1.4
DETAILS OF ELECTIVES OPTED BY THE INSTITUTE**

DEPARTMENT	BATCH	SEMESTER	ELECTIVES OFFERED BY DEPARTMENT
Computer Science and Engineering	2007-2011	VI	▪ Data Warehousing and Data Mining
		VII	▪ Total Quality Management ▪ Software Testing
		VIII	▪ Information Security ▪ Professional Ethics
	2008-2012	VI	▪ Mobile Computing
		VII	▪ Software Testing ▪ Software Project Management ▪ Client Server Computing
		VIII	▪ Digital Image Processing ▪ C # and .NET Framework
	2009-2013	VI	▪ Professional Ethics
		VII	▪ Software Testing ▪ Total Quality Management
		VIII	▪ Software Quality Management ▪ C # and .NET Framework
	2009-2013	VI	▪ Professional Ethics
		VII	▪ Software Testing ▪ Distributed Computing

		VIII	<ul style="list-style-type: none"> ▪ Software Quality Management ▪ C # and .NET Framework ▪ Cloud Computing
M.E. Computer Science and Engineering	2012- 2014	II	<ul style="list-style-type: none"> ▪ Digital Imaging
		III	<ul style="list-style-type: none"> ▪ Grid Computing ▪ Mobile Computing ▪ Data Warehousing and Data Mining
	2013- 2015	I	<ul style="list-style-type: none"> ▪ Data Analysis and Business Intelligence ▪ Software Requirements Engineering
		II	<ul style="list-style-type: none"> ▪ Network and Information Security ▪ Cloud Computing
Electronics and Communication Engineering	2007- 2011	VI	<ul style="list-style-type: none"> ▪ Medical Electronics
		VII	<ul style="list-style-type: none"> ▪ High Speed Networks ▪ Professional Ethics & Human Values
		VIII	<ul style="list-style-type: none"> ▪ Telecommunication Switching and Networks ▪ Optoelectronics Devices
	2008- 2012	VI	<ul style="list-style-type: none"> ▪ Medical Electronics
		VII	<ul style="list-style-type: none"> ▪ Computer Hardware and Interfacing ▪ Professional Ethics & Human Values
		VIII	<ul style="list-style-type: none"> ▪ Wireless Networks ▪ Telecommunication Switching and Networks ▪ Satellite Communication
	2009- 2013	VI	<ul style="list-style-type: none"> ▪ Medical Electronics
		VII	<ul style="list-style-type: none"> ▪ Computer Hardware and Interfacing ▪ High Speed Networks ▪ Nano Electronics
		VIII	<ul style="list-style-type: none"> ▪ Wireless Networks ▪ Telecommunication Switching and Networks ▪ Satellite Communication ▪ Network Security
	2010- 2014	VI	<ul style="list-style-type: none"> ▪ Medical Electronics
		VII	<ul style="list-style-type: none"> ▪ Computer Hardware and Interfacing ▪ Professional Ethics & Human Values
		VIII	<ul style="list-style-type: none"> ▪ Total Quality Management ▪ Satellite Communication ▪ Network Security
	2011- 2015	VI	<ul style="list-style-type: none"> ▪ Medical Electronics

M.E. Embedded System Technologies	2012- 2014	I	<ul style="list-style-type: none"> ▪ Wireless and Mobile Communication
		II	<ul style="list-style-type: none"> ▪ Data Communication and Networks ▪ Advanced Embedded Systems
		III	<ul style="list-style-type: none"> ▪ Embedded Analog Interfacing ▪ Embedded Automotive Networking ▪ Real Time Systems ▪ VLSI Architecture and Design Methodologies
	2013- 2015	I	<ul style="list-style-type: none"> ▪ Computer Architecture and Parallel Processing
		II	<ul style="list-style-type: none"> ▪ Design of Embedded Control System ▪ Soft Computing Techniques
Electrical and Electronics Engineering	2007- 2011	VII	<ul style="list-style-type: none"> ▪ Total Quality Management ▪ Microprocessor Based System Design
		VIII	<ul style="list-style-type: none"> ▪ Renewable Energy Sources ▪ Medical Instrumentation
	2008- 2012	VII	<ul style="list-style-type: none"> ▪ Total Quality Management ▪ Virtual Instrumentation
		VIII	<ul style="list-style-type: none"> ▪ Renewable Energy Sources ▪ Medical Instrumentation
	2009- 2013	VII	<ul style="list-style-type: none"> ▪ Power Quality Engineering ▪ Total Quality Management ▪ Virtual Instrumentation
		VIII	<ul style="list-style-type: none"> ▪ High Voltage Engineering ▪ Renewable Energy Sources ▪ Medical Instrumentation
	2010- 2014	VII	<ul style="list-style-type: none"> ▪ Total Quality Management ▪ Computer Networks ▪ Microprocessor Based System Design
		VIII	<ul style="list-style-type: none"> ▪ High Voltage Engineering ▪ Renewable Energy Sources ▪ Medical Instrumentation
	2011- 2015	VI	<ul style="list-style-type: none"> ▪ Professional Ethics in Engineering
	M.E. Power Electronics and Drives	2013- 2015	I
II			<ul style="list-style-type: none"> ▪ Flexible AC Transmission Systems ▪ Energy Management and Auditing

Information Technology	2007-2011	VI	<ul style="list-style-type: none"> ▪ Unix Internals 	
		VII	<ul style="list-style-type: none"> ▪ Grid Computing ▪ Software Testing 	
		VIII	<ul style="list-style-type: none"> ▪ Professional Ethics ▪ Software Project Management ▪ High Speed Networks 	
	2008-2012	VI	<ul style="list-style-type: none"> ▪ Multimedia Systems 	
		VII	<ul style="list-style-type: none"> ▪ C# and .NET Framework ▪ Grid Computing ▪ Software Testing 	
		VIII	<ul style="list-style-type: none"> ▪ Professional Ethics ▪ Software Project Management ▪ High Speed Networks 	
	2009-2013	VI	<ul style="list-style-type: none"> ▪ Multimedia Systems 	
		VII	<ul style="list-style-type: none"> ▪ Cyber Law and Information Act ▪ C# and .NET Framework ▪ Software Testing 	
		VIII	<ul style="list-style-type: none"> ▪ Professional Ethics, ▪ Software Project Management 	
	2010-2014	VI	<ul style="list-style-type: none"> ▪ Multimedia Systems 	
		VII	<ul style="list-style-type: none"> ▪ Cyber Law and Information Act ▪ Software Testing ▪ Grid Computing 	
		VIII	<ul style="list-style-type: none"> ▪ Professional Ethics ▪ Software Project Management 	
	2011-2015	VI	<ul style="list-style-type: none"> ▪ User Interface Design ▪ Data Warehousing and Data Mining 	
	Mechanical Engineering	2009-2012	VII	<ul style="list-style-type: none"> ▪ Facilities Planning and Design ▪ Industrial Robotics
			VIII	<ul style="list-style-type: none"> ▪ Nuclear Engineering
2010-2014		VII	<ul style="list-style-type: none"> ▪ Facilities Planning and Layout Design ▪ Unconventional Machining Processes 	
		VIII	<ul style="list-style-type: none"> ▪ Nuclear Engineering ▪ Alternate Energy Sources ▪ Production Planning and Cost Estimation ▪ Rapid Prototyping, Tooling and Reengineering 	
2011-2015		VI	<ul style="list-style-type: none"> ▪ Unconventional Machining Processes ▪ Renewable Sources Of Energy 	
Civil Engineering	2011-2015	VI	<ul style="list-style-type: none"> ▪ Hydrology 	

- **Choice Based Credit System and range of subject options**
- **Courses offered in modular form**
- **Credit transfer and accumulation facility**
- **Lateral and vertical mobility within and across programmes and courses**

The University is yet to make provisions for the above.

- **Enrichment courses**

A number of courses are offered by way of enrichment. Refer Section 1.2.1.

1.2.4 Does the institution offer self-financed programmes? If ‘yes’, list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

All programmes offered are self-financed as the institute does not receive any financial assistance or grants from any government agency. Guidelines from the Directorate of Technical Education (DOTE) and Anna University are followed for admissions. The curriculum is adopted as per Anna University regulations which is revised from time to time. The fee structure is prescribed by the Tamil Nadu Government and the norms for teacher qualification and salary are governed by the AICTE and UGC .

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If ‘yes’ provide details of such programme and the beneficiaries.

The Centres of Excellence equip students with appropriate skills to contribute to global, national and regional markets.

- On the global level ABB, GE, Ford, Alstom, Fingrid, Honda use NI LabVIEW and on the national level it is used by BOSCH, HCL, WIPRO, Tech Mahindra, Honeywell, Tata Elxsi and Indian Railways. Users in the regional market ie. Industries in Coimbatore, are Pricol, Premier Evolvis, Flowserve and LECS. Tools like Siemens’ PLC and SCADA are used in global outlets such as OTIS, Honda and Toyota. On the national level companies like Kirloskar, Crompton Greaves, KONE and BEL use them. Organizations in the regional market such as Texmo, CRI Pumps, ACC Cements, IOC bottling unit, employ these skills
- Linux and Oracle are used in national and multinational companies. Cloud architecture is very popular across the globe today and is being offered by IBM to the students.

- Study of SAP has potential openings in and around Coimbatore region in companies such as ELGI, Roots, TTK Prestige, ACC Cements, PRECOT Meridian, Pricol, Lakshmi Electricals. Expertise in Control Systems has takers in Texmo Industries, GTN Exports and KPR Mills
- Oracle ERP provides opportunities in companies such as CRI Pumps, LMW, Janatics, ELGI Equipments and Lakshmi Card Clothing
- The distinguished alumni employ these tools in companies of repute such as Tech Mahindra, Ford and Aspire systems, IBM, BEL etc.

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for students to choose the courses/combination of their choice” If ‘yes’, how does the institution take advantage of such provision for the benefit of students?

The University is yet to provide the flexibility of combining the conventional face-to face and Distance Modes of Education.

1.3. CURRICULUM ENRICHMENT

1.3.1 Describe the efforts made by the institution to supplement the University’s Curriculum to ensure that the academic programmes and Institution’s goals and objectives are integrated?

The academic programmes offered by the institution and the delivery mechanisms are aligned with the major objective of producing the right kind of technocrats. The order of the day is deploying a broad spectrum of skill enhancers:

TECHNICAL SKILLS

- The institute has established Centres of Excellence to assess the demands of the industry and supplement the curriculum with Value Added Courses designed by the MoU partners
- Inplant Training, Factory Visits and internships are recommended so that the learner is able to better conceptualize real time engineering applications
- The institution also supplements the University curriculum through the following learning portals:
 - ✓ Placement Training
 - ✓ Industrial projects
 - ✓ Case studies
 - ✓ Industrial training and internship
 - ✓ Seminars, Workshops, Conferences and Symposiums .

- The IIPC organizes field visits to various industries and Industry related activities.

Life skills are the *sine quo non* for a graduate's employability. As such attitudinal and aptitude skills that augment his potential in a global market is well catered to. Experts train the students in personality development and soft skills. Their involvement with the different clubs shifts the lens towards social awareness.

1.3.2 What are the efforts made by the institution to modify, enrich and organize the curriculum to explicitly reflect the experiences of the students and cater to needs of the dynamic employment market?

The elective subjects are chosen to suit the needs of an engineering career that is ever evolving. Hence, guidance of knowledge partners and MoU partners is sought. Based on the Feedback of alumni from Collabnet, a course on 'Cloud Computing' and courses on language competence like Business English Certification are being offered after recommendations at Alumni meets. After the induction of IIPC in 2011, awareness on engineering practices in the industry has been created. Students share their experiences and knowledge with peers after internships and factory visits organized by the IIPC.

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental Education, Human Rights, ICT etc., into the curriculum?

Students are sensitized to issues related to Gender Discrimination, Climate Change, Human Rights etc., through talks in forums, campaigns and village adoption. Faculty ensures that the right amount of awareness is created about these issues during their interactions with students. Club activities promote healthy interaction among students and in the exchange of ideas and awareness of social responsibility.

- **Gender Empowerment**
 - ✓ The Women Development Cell and Women in Engineering Affinity Group (IEEE) takes special initiative in organizing health awareness and hygiene programmes, personal security, counseling, right of legal claims, entrepreneurial scope, confidence building and good grooming.

- **Environment Consciousness**
 - ✓ The Go Green campaign is a manifesto to which every human has a personal obligation. The green cover of NGP campus, lush lawns and shady bowers are witness to the green thumb efforts
 - ✓ A newly promoted herbal garden is an island of medicinal varieties
 - ✓ Tree planting campaigns were organized in the institute vicinity
 - ✓ Energy saving devices like solar lamps are installed on campus
 - ✓ A campaign to save energy in classrooms was mobilized as a soft reminder to students to switch off all electrical points when not in use.
- **Human Rights Awareness**
 - ✓ The institute runs a consumer awareness club which organizes talks on rights and privileges of consumers
 - ✓ Experts from the Legal Service Society advise students and faculty on sensitive issues
 - ✓ Students participated in awareness events organised by Anti Corruption Movement
 - ✓ To Vote-my privilege and right awareness was created
 - ✓ The institute has an Anti-Ragging committee, Grievance and Redressal Committee to ensure a ragging free environment.

1.3.4 What are the various value-added courses / enrichment programmes offered to ensure holistic development of students?

The holistic development of the learner is a charter of fulfillment that one is entitled to during the tenure of his education. A value based education is the grammar of achievement for which the following efforts are taken.

- Personality development programmes conducted by professional trainers
- Critical thinking and reasoning skills by Focus Academy for Career Enhancement (FACE)
- Soft skill training by 'Hope Factory', FACE etc
- Communication skills development by 'Dawn India'
- Training on Technical and Soft skills by the Training and Placement Cell
- Yoga classes for students for a healthy mind and body
- Professional ethics is integrated into the curriculum
- Value added courses based on industry demands offered by the Centres of Excellence.

1.3.5. Citing a few examples enumerate the extent of use of the feedback from stakeholders in enriching the curriculum?

The stake holders also play a crucial role in enriching the curriculum on a regular basis. Their feedback provides a significant consensus on changing trends and market requirements.

- Regular Parent-Teachers meetings keep the channels open with the stake holders
- IIPC board meetings initiated industry collobarations
- Based on the feedback from the management, the students of the BME department underwent medical equipment training at KMCH
- Feedback from students instituted the NGP web portal which facilitates effective learning and information dissemination.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?

- The individual departments collect feedback from students regarding the effectiveness of content delivery and hands on training
- The Alumni sheds light on the utility of the programme in his current employment and gives recommendations on future requirements
- The Training and Placement Cell and industry personnel also state the demand in the industry
- A consolidated report of such programs is tabled to the management who take decisions in consultation with the experts.

1.4. FEEDBACK SYSTEM

1.4.1. What are the contributions of the institution in the design and development of the curriculum prepared by the University?

The Faculty members of the Institute who are on the Board of Studies and syllabus framing committee of Anna University actively contribute to the development of the curriculum. Refer Section 1.1.6.

1.4.2. Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If ‘yes’, how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

- At the end of every semester, a feed back on the effectiveness of the curriculum is collected and submitted to the ADC which is subsequently sent to the Principal
- Based on the feedback, curriculum is enriched through E-learning resources, add-on courses, invited talks and field visits.

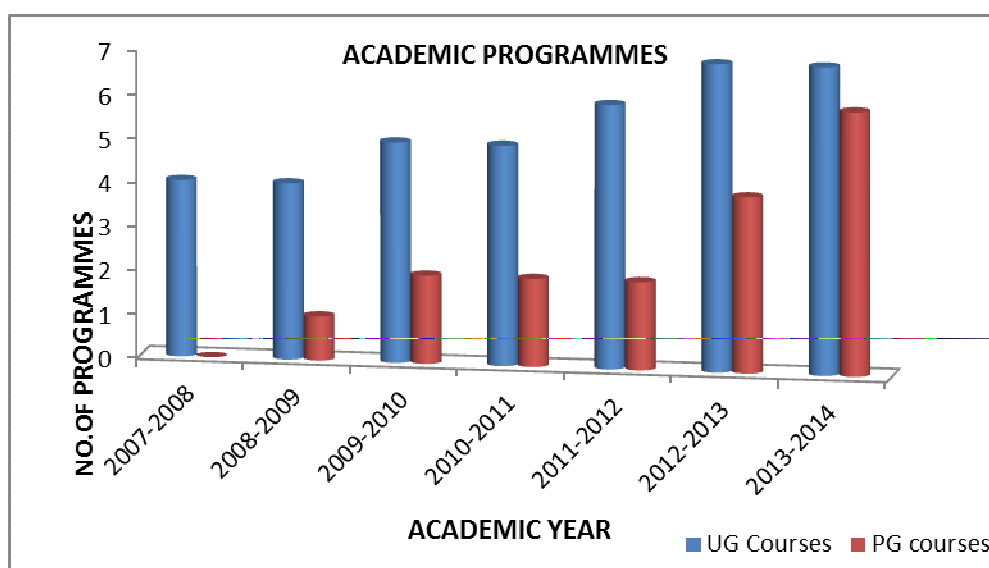
1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?)

Considering the increasing student enrolment and the demand for new courses from stakeholders, the institution with its status as a major health care and research institute with latest technology, prompted the Management to introduce the BME course. Coimbatore region received its impetus infrastructural expansion and the outcome was a recommendation from the stakeholders to start the Civil Engineering course. The PG courses in Engineering were introduced so as to enable the alumni to pursue higher education on the same campus making use of the facilities.

The following are the new programs/ courses introduced by the institution in the last 4 years

- **Under Graduate Programs**
 - ✓ B.E. Civil Engineering (2011)
 - ✓ B.E. Biomedical Engineering (2012)

- **Post Graduate Programs**
 - ✓ M.E. Embedded System Technologies (2012)
 - ✓ M.E. Computer Science and Engineering (2012)
 - ✓ M.E. Engineering Design (2013)
 - ✓ M.E. Power Electronics and Drives (2013)



CRITERION – II

**TEACHING, LEARNING
AND
EVALUATION**

CRITERION - II

TEACHING, LEARNING AND EVALUATION

2.1. STUDENT ENROLMENT AND PROFILE

2.1.1. How does the institute ensure publicity and transparency in the admission process?

The Institution enjoys the patronage as sibling of its elder landmark, a multi specialty hospital, KMCH, the healthcare signpost on entering Coimbatore. This apart, its ISO 9001:2008 certification and quality consciousness as a young upcoming institution of promise is a major attraction. Publicity for admission is done on a standard basis on the institute website, prospectus, educational fairs and banners in prominent parts of the city. The admission notification is also issued through advertisements in leading regional daily newspapers. The notification advertisement contains detailed information about the UG and PG courses, eligibility criteria, process of admission and the facilities provided by the institute management. The same information is also available in the institute website. www.drngpit.ac.in.

The admission is purely governed by the norms of the affiliating University. The Institute Admission Cell counsels students and parents on the various courses and facilities available. The students are admitted based upon the eligibility criteria and their interest. The institution provides merit scholarships to deserving students on the basis of their marks obtained in the qualifying examinations. Merit scholarships for 237 students have been awarded by the institution from 2010 to 2013.

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other to various programmes of the Institution.

(i) Merit Quota:

For Engineering admissions, the institution follows the norms laid down by the Tamil Nadu state government through Directorate of Technical Education (DOTE) under the Unified Single Window Admission System for Undergraduate Programmes. Admission into the Post Graduate programs like MBA, MCA and ME is based on the Tamil Nadu Common Entrance Test (TANCET) conducted by the Anna University.

(ii) Management Quota:

A Consortium of Self Financing Professional, Arts and Science Colleges in Tamil Nadu have been granted permission to admit students into private professional colleges under the Management Quota. Students are admitted into the Undergraduate Engineering courses (B.E./ B.Tech.) on the basis of the consortium ranking which is based on the marks obtained in Higher Secondary Board examinations. Admissions to Postgraduate courses (MBA / MCA/ M.E) is based on the ranking obtained at the Common Entrance Test conducted by the Consortium.

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating University within the city/district.

The Institution follows the norms laid down by The Directorate of Technical Education. The following table gives details regarding enrolment in comparison to neighboring institutions.

**TABLE 2.1
MAXIMUM AND MINIMUM CUT OFF MARKS**

S. NO.	PROGRAMME	YEAR	ENTRY LEVEL							
			Dr.NGP INSTITUTE OF TECHNOLOGY		INFO INSTITUTE OF ENGINEERING		KATHIR COLLEGE OF ENGINEERING		SNS COLLEGE OF ENGINEERING	
			MAX %	MIN %	MAX %	MIN %	MAX %	MIN %	MAX %	MIN %
1	B.E. CSE	2012-2013	188.25	89.5	169	84	159	118.25	161.25	81.25
		2011-2012	182.75	95.25	176	98	165	94.75	169.5	78.25
		2010-2011	179.25	101	172	87.5	159.75	85.75	170	75
		2009-2010	172.75	107	163.25	112.25	122.5	83	175.75	97.75
2	B.E. ECE	2012-2013	186.25	79.5	173.25	78	157.75	82.75	166.5	88
		2011-2012	187	81.5	179	114.5	167.5	111	176.5	103.5
		2010-2011	187	94	177.25	104	166.5	88.75	179.25	119.5
		2009-2010	187.50	90	179.75	99	163.25	93.75	183.5	103.5

3	B.E.. EEE	2012-2013	187	87.75	164	83.75	154.75	85	162	97
		2011-2012	178.5	86	167.75	79	151	113.75	167	79.75
		2010-2011	179.75	100.25	169.5	92.25	155	85.25	170.5	95.5
		2009-2010	181	92.75	167.5	75	132.75	94.25	179	76.00
4	B TECH IT	2012-2013	177.75	111.75	158.75	99	148	86.5	156.5	92.75
		2011-2012	171.5	76.25	169	107	147	85.5	166.5	106.75
		2010-2011	173	94.75	168.75	95.25	144	81.75	164.5	77.00
		2009-2010	165	106	136	116	122.25	91.25	163.25	108.25
5	B.E. MECH	2012-2013	184.75	114	169	106.5	161.5	103	172	120.25
		2011-2012	184.25	138.5	172.75	89.5	167.25	103.25	179.5	132.25
		2010-2011	183.75	124.75	177	101.75	160.75	93	177.5	116.25
		2009-2010	188.5	121.5	181.75	136.5	157.25	89.5	181.75	138.25
6	B.E. CIVIL	2012-2013	179.25	120.25	160.75	111.75	150.25	93.75	162.25	108.75
		2011-2012	173	85.25	155	95	143	88.25	158.75	94.5
		2010-2011	*	*	*	*	*	*	171	96.5
		2009-2010	*	*	*	*	*	*	172	102.25

* The Civil Engineering Programme was introduced during 2011-2012.

Note: Comparison for Biomedical Engineering Programme has not been given, since it is not offered by institutions nearby.

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If ‘yes’ what is the outcome of such an effort and how has it contributed to the improvement of the process?

The students who have scored the required cut-off marks are admitted into the Institution through the Unified Single Window Admission System, this makes up 65% of the admission. The rest, ie. 35% applies to the Self Financing Consortium. The Consortium sends the list of eligible students to the Institution.

The Admission Cell prepares a report of the summary of admissions and notifies the trends in admissions to the authorities. Based on the report, publicity mechanism is intensified for the courses which are less in demand. Likewise redoubled efforts are taken in geographical areas that receive good response.

The introduction of merit scholarships increased the inflow of meritorious students. Courses that register high demand with the public are taken and suggestions for additional intake are made to the management. Enquiries for new courses are also conveyed to the management.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion.SC/ST, OBC, Women, Differently abled, Economically weaker sections, Minority community, Any other.

Students from SC/ST/OBC/ Women / Differently abled and Sports category are allotted seats as per the reservation system followed in the state and by the University. The Management provides merit scholarships to meritorious students. Students from the lower income groups are assisted with scholarships from government and private bodies. First graduate status in the family is recognized and assistance provided. As per the University norms, the SC/ST students have the benefit of full fee waiver.

Women students are provided separate hostels, ready transportation and prompt health care ensures that their focus is on education primarily. Students from neighboring states enter into the mainstream blending with to form a democratic hassle free study environment. Close monitoring on their performance and progress ensures they reach a comfort zone in their studies.

TABLE 2.2 (a)
STUDENTS ADMITTED – COMMUNITY WISE

S. NO.	CATEGORY	2010-2011		2011-2012		2012-2013		2013-2014	
		M	F	M	F	M	F	M	F
1	GENERAL	73	51	52	24	72	45	31	25
2	BC	161	121	242	135	298	175	217	154
3	MBC	55	33	94	22	111	51	83	30
4	SC/ST	39	12	33	12	49	15	34	15
TOTAL		338	217	421	193	530	286	365	224

TABLE 2.2 (b)
STUDENTS ADMITTED - GENDER WISE

S. NO	COURSE	NO. OF STUDENTS ADMITTED							
		2010-2011		2011-2012		2012-2013		2013-2014	
		M	F	M	F	M	F	M	F
1	CSE	32	40	35	31	25	33	23	22
2	ECE	78	67	76	63	80	56	44	62
3	EEE	59	13	55	17	57	12	37	10
4	IT	27	42	39	24	19	35	18	21
5	Mechanical	70	1	75	1	149	-	121	-
6	Civil	*	*	66	8	59	12	50	9
7	Biomedical	*	*	*	*	20	42	10	45
8	MBA	37	23	44	23	76	40	46	23
9	MCA	25	31	31	26	36	30	-	-
10	ME (CS)	*	*	*	*	1	17	2	16
11	M.E. (ES)	*	*	*	*	8	9	3	9
12	ME (ED)	*	*	*	*	*	*	10	*
13	M.E. (PED)	*	*	*	*	*	*	1	7
TOTAL		328	217	421	193	530	286	365	224

* Not Applicable

2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase / decrease and actions initiated for improvement.

Based on the reports from the Admission Cell and the national and global employment scenario of requirement, the increase in the admissions is decided by the Governing council.

Considering the popular demand for Mechanical Engineering course, an increase in intake was initiated. The attraction to the Biomedical Engineering course with high cut-offs is due to the use of high end technology being introduced in healthcare systems. The presence of KMCH justifies the same. In recent years, the Civil Engineering field has witnessed a demand for engineers. As such on stake holders' enquiry, the course was introduced in 2011.

The IT sector experiencing a temporary slowdown has resulted in reduced demand for the IT allied courses. To increase employability prospects, enrichment courses like cloud computing, mobile applications are being offered. Programs to secure good ranking in TANCET examinations which are mandatory for Post Graduate admissions are organized.

2.2. CATERING TO STUDENT DIVERSITY

2.2.1. How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?

The Institution abides by the government policies regarding admissions and shows no discrimination on the basis of caste/creed/social status or physical challenge. It is equipped to meet the needs of the differently-abled by providing lifts, wheel chairs, ramps and easily accessible rest rooms.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.

Students of mixed intelligence levels and aptitudes join the engineering course. Hence it is mandatory to assess their knowledge and skills before the commencement of the programme. Initial screening test with objective type questions is scheduled for students in mathematics, basic sciences and language skills. Based on their performance, levels of understanding and need to improve, bridge courses are introduced to redress imbalances. Details are exemplified in Table 1.1.

2.2.3 What are the strategies drawn and deployed by the institution to bridge the knowledge gap of the enrolled students to enable them to cope with the programme of their choice? (Bridge / Remedial / Add-on / Enrichment Courses, etc.

- The Institute conducts remedial courses after an entry level assessment to ease the difficulty level of the students on entry into the engineering stream. Specialized Instructional modules are designed by experienced faculty
- When students enter the mainstream course, Prerequisite courses are conducted to orient them to their core subjects. It is also extended to lateral entry students
- Coaching/Remedial classes are conducted to raise the level of competency of the slow learners
- Value Added courses are a special feature offered by the Centres of Excellence.

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

At the commencement of each semester, Management level authorities address the faculty on the importance of handling students with sensitivity. The tutors are advised to look out for sensitive issues related to gender discrimination or caste and handle it with caution or avert it by careful counseling. As such a secular environment promotes a joy of learning.

Women's development cell and IEEE Women in Engineering Affinity group sensitize young women on issues such as self defense, personal hygiene, pre-marital counselling and parity with their male counterparts. Dr. Thavamani D Palaniswami, Secretary and doctors from KMCH address students periodically on health and hygiene.

Students are encouraged to actively take part in activities conducted by the environment cell, create awareness on energy conservation projects.

2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?

The Continuous Internal Assessment System helps identify advanced learners. Meeting their intellectual requirement is also given prime importance. Advanced learners are encouraged to utilize every opportunity that challenges their potential. This helps them raise their standard of excellence.

- Advanced Learners are provided additional inputs through journals and E- learning resources
- Students are given opportunities to take up research work along with faculty and to present papers at seminars and conferences on and off campus
- Advanced learners are also encouraged to send project proposals to government agencies like Tamil Nadu State Council for Science and Technology (TNSCST) and to forums like “Great Mind Challenge” by IBM and “ NIYANTRA” by National Instruments-India, “Innovator Award” by ICTACT, “Smarter planet challenge student competition” , Xtreme event conducted by IEEE etc. where they have won awards and recognition. The institution motivates advanced learners through awards and incentives
- Proficiency prizes are awarded to class toppers
- University rank holders are honored at the graduation ceremony
- National Creativity Aptitude Test (NCAT) was conducted on campus and students have been selected for one week training on creativity and achievement motivation program at IIT, Delhi
- Students are invited to view special webinars from IEEE, ACM and NI
- Students take up industry oriented innovative projects. Class toppers are invited for special interaction with eminent speakers from industry and academia
- Students receive orientation to civil service examinations guided by Higher education cell
- They are encouraged to take up international certification exams
- Take up industry funded projects and internships at organizations like CollabNet, Siemens, TCS, Ramco Systems etc.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.)?

The individual departments assess the academic performance of the students through internal tests and the class attendance. During Tutor Ward and class committee meetings the slow learners get an opportunity to express their difficulties.

Their academic difficulties are conveyed to the subject teachers and heads of the departments for remedial measures. Parents are called when the student shows disinterest. Special counseling is given to students who are likely to drop out due to economic reasons and family circumstances.

The following steps are taken to improve learning skills:

- Motivation and Counseling is given by the Tutors, Heads of Departments and Principal
- Special coaching is given to slow learners after college working hours.
- Faculty intimate parents regarding the performance of their ward
- Faculty prepares specially designed teaching-learning materials such as lecture notes, question banks and assignments
- Special coaching is given by faculty in the hostel premises
- Apart from fee concession, time extension is also given to the economically weaker section
- Students who are challenged on grounds of health and who require special care are encouraged to continue their study through arrangement of special classes etc
- Students with health ailments avail hospital-fee concession at KMCH.

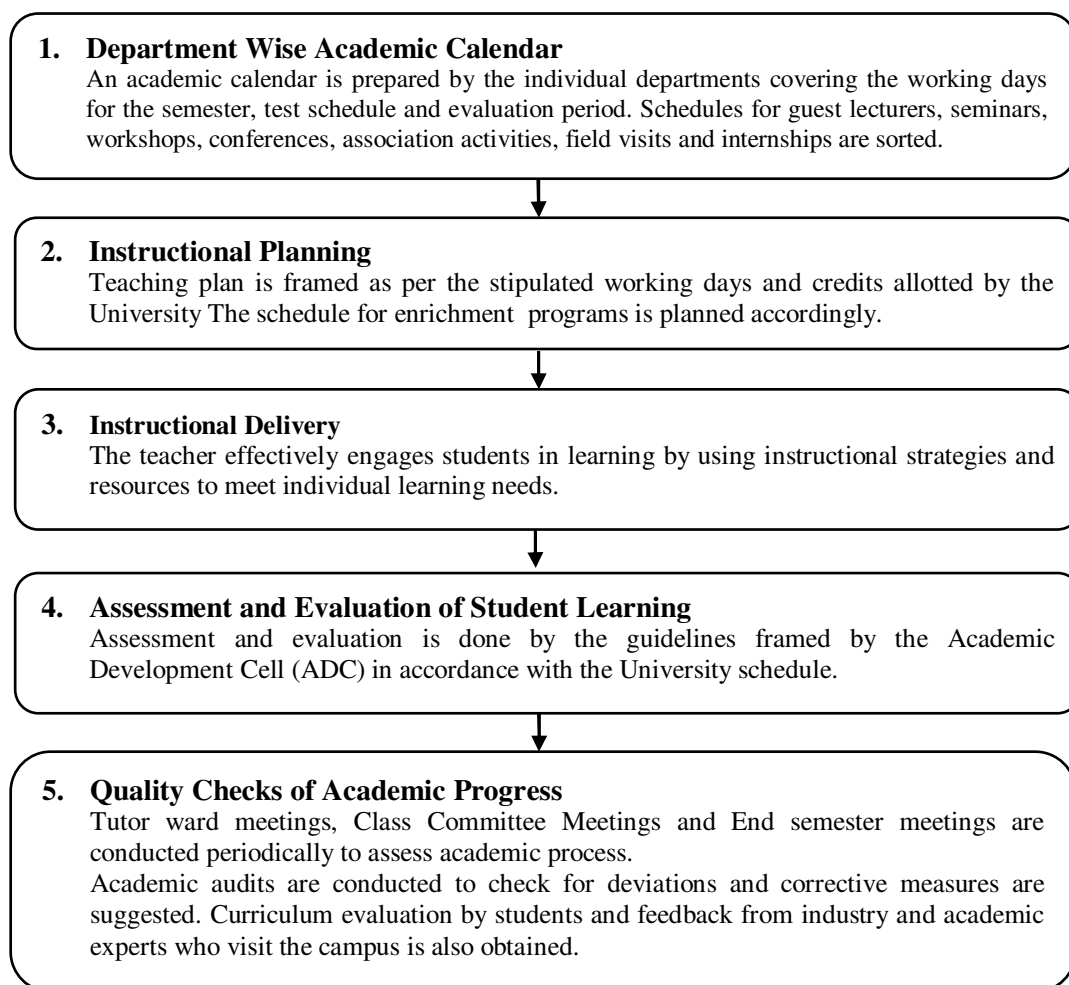
2.3. TEACHING-LEARNING PROCESS

2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

The Institute adheres to the academic calendar scheduled by Anna University for the teaching, learning and evaluation process. The University furnishes guidelines on the schedules for the following:

- Commencement of classes
- Report period for attendance entry in the University CoE web portal
- Conduct of internal examinations
- Evaluation and uploading of marks in the University CoE web portal
- Last working day
- End semester Practical and theory examinations.

A comprehensive action plan is developed by the ADC based on the above.



2.3.2 How does IQAC contribute to improve the teaching – learning process?

The IQAC has been constituted as a quality promoter in the institution. The cell monitors the internal quality aspects pertaining to academic, curricular and co-curricular activities for the welfare of the students within the existing academic and administrative systems.

2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

The Institute provides opportunities for collaborative learning by encouraging group discussions and group projects designed to promote innovative thinking. An ICT enabled campus and library facilities provide the

necessary support to student-centric learning. Brain storming sessions, symposiums, panel discussions, peer tutoring, encourage the Think-Pair-Share concept. Project Expos are organized by the departments where students of other institutions display their projects.

Students engage in complex, challenging problems and collaboratively work towards a solution by connecting theoretical knowledge to real world problems. Interactions with eminent scientists like Dr. A.P.J. Abdul Kalam and Dr. Mayilsamy Annadurai to mention a few. Periodical sharing of expertise by scientists from DRDO, ISRO, IIST etc., enlighten the faculty and students. Case studies, review of research articles, group and individual project proposals, inplant training, internships, NPTEL resources further ignite the imagination towards research and independent learning.

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

The creative and critical bent of mind in students is stirred through brain storming sessions, discussions with peer group and interactions with eminent researchers. Students are encouraged to participate in intra and inter-collegiate presentations and debates. Participation in fests and competitions at the national and international level ensures exposure to new ideas and this promotes creativity. The Management provides annual budget in inviting eminent scientists, entrepreneurs and industry persons from both home and overseas to share their success stories with students. Students are involved in internships and research projects which helps make them lifelong learners.

2.3.5. What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, E-learning - resources from National Programme on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

Teaching-learning is made more interesting and effective by the use of illustrations and power point presentations apart from non-projected aids. Web portal is accessible to all stakeholders on matters of learning material, attendance, internal test performance and other news and events. Class rooms are equipped with overhead and LCD projectors. Wired and Wi-Fi internet facilities are made available to faculty and students. Sophisticated equipments and tools are available in all the respective department laboratories.

Faculty with membership in Professional Societies keeps the trend going and the literature of these societies is made available to the students.

Content from NPTEL, Eklavya Technology Channel and Spoken Tutorial enrich learning to both faculty and students.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

Teachers participate in regional and national/international seminars and conferences in their respective fields, and new information gathered from these are disseminated to the student community. National and International Conferences, workshops and seminars are conducted and students capitalize on this to interact with subject experts. The students are also given an opportunity to collaborate with faculty to present and publish their research papers. Experts from industry and academia are invited to deliver talks proving academically beneficial to both students and faculty members. Students take up internships in industries which elevate their practical knowledge.

2.3.7. Detail (process and the number of students benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advise) provided to students?

The Mentoring system that assigns 20:1 student - tutor ratio is sensitized to narrow down on students with disturbing emotional problems. The student who requires psychological help is given counselling by trained professionals from the hospital owned by the management (KMCH). The Psychiatrist Dr. D.Srinivasan (M.D. in Psychiatry), and Psychologist Dr. S.Rajendran provide professional counselling. Occasionally parents request for additional psychological and medical assistance for their wards which is readily met. Tutors, Heads of the departments and Principal also throw in their efforts to counsel when students especially in the first year face difficulty in adapting to the engineering stream.

**TABLE 2.3
STUDENTS COUNSELLED BY PROFESSIONALS**

S. NO	YEAR	NO. OF STUDENTS
1	2010	9
2	2011	31
3	2012	12
4	2013	23
5	2014	16

2.3.8. Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

The Institute organizes orientation programs, skill upgradation programs and programs on instructional design. Faculty are also deputed to attend faculty enrichment programs conducted by the University and other reputed institutes. The Institute organised a Faculty Development Programme on “Instructional Design and Delivery System” in association with National Institute of Technical Teachers Training and Research (NITTTR), Chennai, under the Ministry of Human Resource Development, Government of India Wipro Mission10X trained faculty on effective teaching-learning methods.

The following approaches are adopted by the faculty:

- Co-operative Group Assignments/Projects and Activity based learning to improve positive interdependence, individual creativity and confidence building
- Presentation and Brain storming and to increase active student participation and cross pollination of ideas
- Case studies to present real-time industry situations to diagnose specific problems and provide solutions
- Tutorials involving smaller groups of students often led by academic tutors/peer groups
- Digitalized learning materials on the web portal and centre for E-learning.

The learning outcomes from the above have given them the impetus to win University ranks, project awards, prizes in technical meets and innovative industry projects. The individual attention and tutorial sessions have drawn out innate capabilities in the less demonstrative learner into active learning.

2.3.9 How are library resources used to augment the teaching-learning process?

The teaching learning process is made more effective by recourse to the college library as a potential resource. Bibliographies of additional learning material and assistive reference material is recommended for independent reading and for team assignments.

Back volumes of projects are available for case study reference. Journals and research materials are extensively used by faculty and students for investigative study. Individual departments also maintain reference books.

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If ‘yes’, elaborate on the challenges encountered and the institutional approaches to overcome these.

Analytical and Application oriented subjects require additional hours for which a special schedule is drafted. Engineering mathematics requires more tutorial hours which is provided.

2.3.11. How does the institute monitor and evaluate the quality of teaching learning?

Faculty sets the pace and yardstick for quality teaching learning which is regularly monitored and evaluated. Monthly monitoring of personal log books by department heads and Principal and daily monitoring of class log book by department heads helps in ensuring the effective execution of the course plan. The academic material on the web portal is audited for quality. Content delivery is monitored by subject experts who also review lectures of fresh recruits.

Students evaluate the quality of teaching on criteria based feedback forms which is collected, analyzed and presented to the department heads. From an assessment of the feedback, suggestions for improvement, if any, is strictly conveyed to the concerned faculty.

The academic performance of the students is analysed through a continuous assessment system. Students are monitored on a continuous basis by the tutors and class advisors so that slow learners are identified and given additional support. Advanced learners are encouraged to pursue higher levels of knowledge.

Review meetings are conducted by the Management and Principal. Meetings are also held at the departmental and Institute level where strategies to improve the results are discussed.

2.4. TEACHER QUALITY

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the Curriculum.

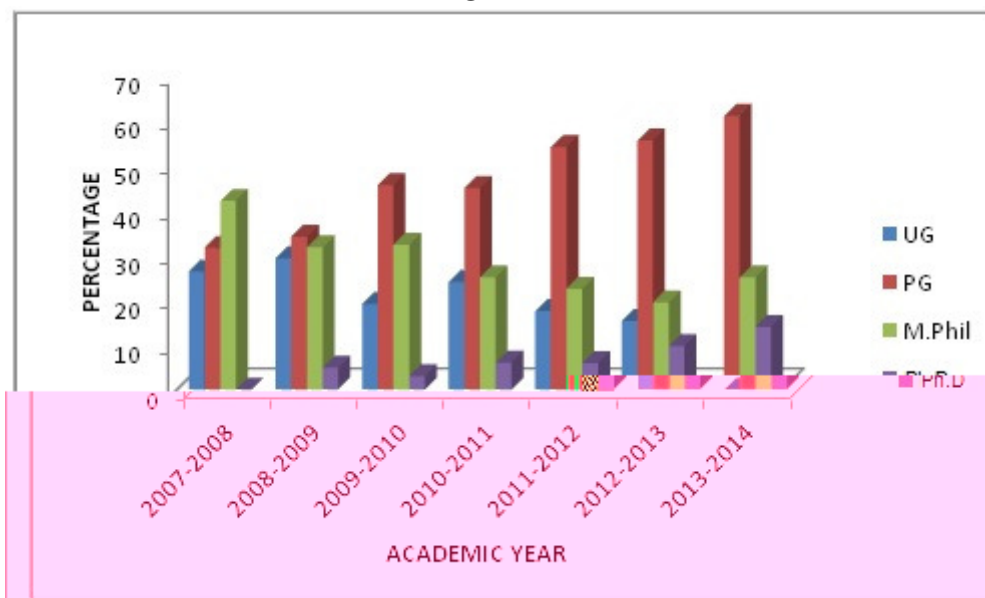
The heads of the departments analyse the vacancy position for each semester and submit its requirement to the management through the Principal, following which advertisements are given in local and national papers. The

Screening committee which consists of the Principal and Heads of Departments shortlists candidates keeping in view the curriculum and qualification requirement. The selection committee consisting of the Chairman, Secretary, CEO, Principal, HoDs and expert members recruits competent faculty. The retention of teaching faculty endorses the quality of teaching. As such provisions like empowerment programs, industry training, and leave on duty for seminars/conferences, awards and appreciations, sabbatical leave etc. are granted to encourage retention of competent faculty.

TABLE 2.4
FACULTY GRADES AND QUALIFICATION

HIGHEST QUALIFICATION	PROFESSOR		ASSOCIATE PROFESSOR		ASSISTANT PROFESSOR		TOTAL
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	
PERMANENT TEACHERS							
Ph.D.	11	3	5	2	2	3	26
M. Phil	-	-	1	1	5	24	31
PG	-	-	5	7	35	58	105
Total	11	3	11	10	42	85	162

FACULTY QUALIFICATION



2.4.2. How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes / modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.

The Institute anticipates the need for the skill set in emerging areas of engineering and technology.

- To meet the demands of the recently introduced Biomedical Engineering course, Experts from Kovai Medical Center and Hospital and faculty from sister institutions lend their expertise
- The Institute provides leave on duty to participate in workshops, national and international conferences and seminars that are organised in connection with emerging trends
- The Institute invites industry experts working on modern engineering fields
- Through industrial alliances and partnerships, faculties have been trained on areas like cloud computing, Rational Rose, Mainframe (IBM), Oracle 11g (Oracle academy), .NET (ICTACT), Graphical Programming (LabVIEW), PLC and SCADA (Siemens) and Analog, DSP and embedded systems (Texas Instruments).

2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

Teacher quality is the primary factor that bench marks the academic performance of an institution. Faculty are encouraged to attend enrichment programs hosted on and off the campus. The Professional Societies and Student Chapters instituted in the campus provide resources to enhance quality. Research Expertise, incentives and facilities for research are extended. The details are exemplified in section 6.3.1

(a) Nomination to staff development programmes

Table 2.5 (a)

FACULTY DEPUTED TO DEVELOPMENT PROGRAMMES

ACADEMIC DEVELOPMENT PROGRAMME	NUMBER OF FACULTY
Refresher courses	65
HRD Programmes	52
Orientation Programmes	89
Staff training conducted by the University	14
Staff training conducted by other Institutions	79
Summer / winter schools, workshops, etc.	269

(b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technologies for improved teaching-learning.

Table 2.5 (b)

FACULTY DEVELOPMENT PROGRAMS HOSTED

YEAR	NAME	DATE	NO. OF BENEFICIARIES
2010	FDP on Computer Aided Language Learning	02.01.2010	14
	FDP on Web 3.0 Technologies	20.02.2010	02
	Java Programming	17.07.2010 to 24.07.2010	05
	Siemens PLC Training	25.09.2010 to 29.09.2010	02
	FDP on Electro Magnetic Fields	22.11.2010 to 24.11.2010	14
	Advanced Refresher Programme for VLSI Faculty with Hands on Training on Analog Mixed signal and Digital Design using cadence tools	25.11.2010 to 27.11.2010	08
	Ebiz Essentials for Implementers Using Oracle ERP	16.12.2010 to 23.12.2010	02
2011	OOPS Using C++	20.06.2011 to 21.06.2011	05
	C# and .NET Framework	28.06.2011 to 02.07.2011	07
	FDP on Teacher Surpasses, Reinventing Classroom Dynamics towards enhancing learning Autonomy	22.07.2011	11
	Mission10X Level I	12.12.2011 to 16.12.2011	21

2012	SIEMENS PLC and SCADA Training Programme	30.01.2012 to 04.02.2012	04
	ORACLE Database 11g	30.01.2012 to 03.02.2012	03
	LabVIEW Training	28.01.2012 to 31.01.2012	02
	Mission10X Level II	22.03.2012 to 23.03.2012	23
	FDP on Train the Trainers	27.12.2012 to 28.12.2012	12
2013	Faculty Development Programme on “Effective Teaching and Learning Methodologies”	28.06.2013	93
	Faculty Enrichment Program	18.07.2013 to 20.07.2013	20
	Faculty Development Council on National Commission on Higher Education (RUSA)	05.11.2013	95
	FDP on Instructional Design and Delivery system	11.11.2013 to 15.11.2013	42



FDP on Instructional Design and Delivery System by NITTTR

Table 2.5 (c)

FACULTY INTERACTION OFF THE CAMPUS

EVENT	TOTAL NUMBER
Invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies	80
Participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies	423
Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies	196

2.4.4 What policies / systems are in place to recharge teachers? (e.g.: providing research grants, study leave, support for research and academic publications, teaching experience in other national institutions and specialized programmes industrial engagement etc.)

Measures to promote faculty professional development and self growth by the institute.

- Encouraged to pursue higher studies and research
- Incentives granted for achievements in research
- Faculty empowerment programs are organised
- Deputed to training programs offered by Industry partners
- Grant of sabbatical leave for research and visiting fellowship
- Sister concerns KMCH and AOSTA offer support for research
- Encouraged membership to Professional Societies and Chapters.

2.4.5. Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

Dr. T.Senthil Vadivel, Head, Department of Civil Engineering received “Best Faculty Award” from Nehru Group of Institutions in 2013.

Dr. M. Gopinath, Associate Professor, Department of EEE, received “Bharath Shiksha Ratan” award from the global society for Health and Education growth in February 2014.

Mr.R.Rajendrakumar, Assistant Professor, Department of Management Studies received “Best Management Teacher” from Akshaya Institute of Management in September 2013.

Dr.R.Jayabrabu, Associate Professor, Department of Computer Applications and Ms.K.Thamaraiselvi, Assistant Professor, Department of Computer Science and Engineering were selected as finalists for “Best Techno Faculty Award” by ICTACT in 2014.

2.4.6. Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching learning process?

A feedback on the effectiveness of the teaching practices is obtained from students, for all subjects. The details are consolidated and shortcomings are addressed by the heads of departments and the Principal. Faculty is recommended to observe the best teaching practices of senior faculty and to attend enrichment programs.

2.5. EVALUATION PROCESS AND REFORMS

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

The Exam cell of the institution in conformance with the University examination norms frames the schedule for the conduct of internal assessment. Guidelines for question paper setting, mark distribution, submission of question paper, conduct of tests, evaluation and uploading of marks are given.

The schedules are intimated to the students through circulars, notice board and the web portal. They are also informed of the question paper pattern, schemes of evaluation and the regulations that govern the conduct of practical examinations. Model question papers are available in the library and web portal. The marks scored and attendance is mailed to the parents and counseling is given along with parents whenever necessary.

2.5.2 What are the major evaluation reforms of the University that the institution has adopted and what are the reforms initiated by the institution on its own?

The University reforms in assessment and evaluation are strictly adhered to in toto. For instance, major reforms in question paper pattern and internal assessment methods were adopted (Lr.No.11281/COE/C20/2011) when the migration from Anna University of Technology Coimbatore to Anna University, Chennai took place.

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the University and those initiated by the institution on its own?

Being an affiliated institute, the rules prescribed by the University in connection with the examinations are strictly followed. The revisions from University are intimated to the exam cell which in turn disseminates to faculty and students.

2.5.4 Provide details on the formative and summative evaluation approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.

The institution adopts both formative and summative methods of evaluation not only to measure student achievements but also to bring about qualitative improvements in the teaching strategies deployed.

The evaluation through cycle tests and internal tests, provide insights into the performance of students at the formative level. Subject faculty identifies students who need special attention in particular subjects. Special coaching classes are conducted beyond college hours, assignments and practice tests also help to bring about a marked change in the students' performance. Model theory and lab sessions help in assessing students at the summative level. The guidance and assistance given by the faculty and the additional effort put in by the students manifest in better performance at the end semester exams. Project reviews with internal and external reviewers are conducted periodically. These review meetings ready students for the final presentations.

2.5.5 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the student's results/achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes / courses offered.

Student performance and progress is assessed and monitored through the Continuous Internal Assessment system. Regular Class Committee meetings are conducted before the tests to enquire about completion of portions and difficulties if any. A report of the minutes is sent to the Principal.

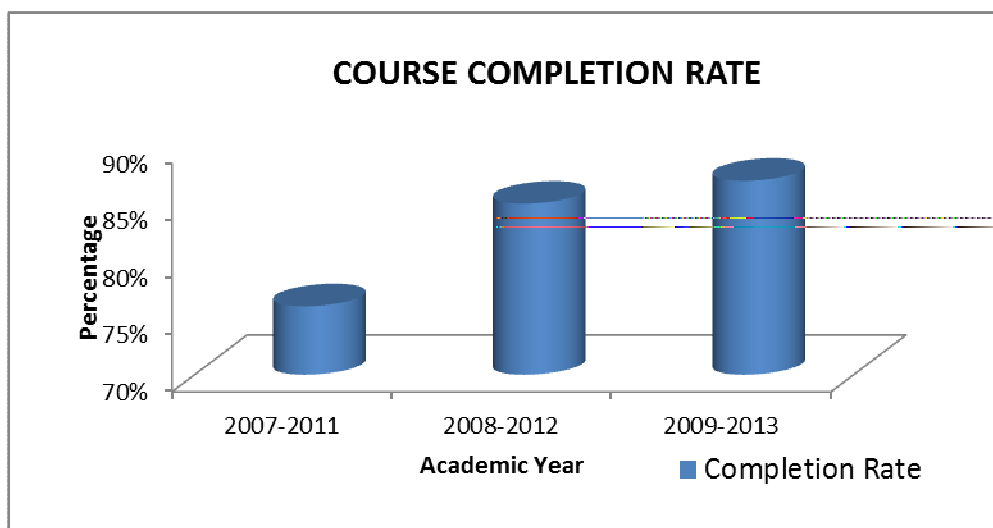
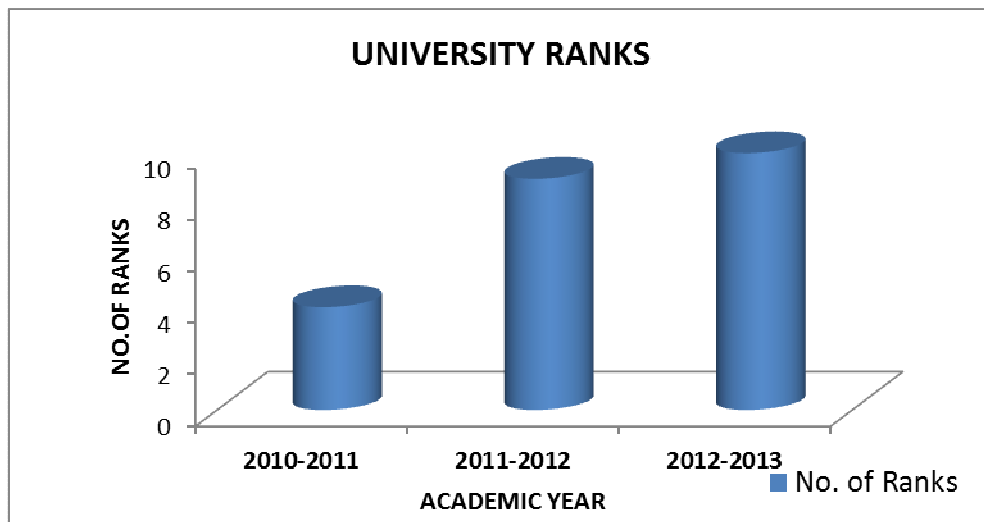
After the tests, the tutors conduct tutor-ward meetings to assess the performance of students and send a report to the Principal. The test scores and the attendance percentage are intimated to the parents. A result analysis meeting is conducted after the University results are published and remedial measures are suggested for those subjects in which the results are not as expected.

An academic audit is conducted during mid semester and an ISO surveillance audit is conducted at the end of every academic year to ensure that the teaching-learning-evaluation process is being executed as planned.

TABLE 2.6

COURSE WISE RESULTS

ACADEMIC YEAR	COURSE	NO. OF STUDENTS APPEARED	NO. OF STUDENTS PASSED	PASS PERCENTAGE
2007-2011	CSE	66	24	36
	ECE	60	50	83
	EEE	58	38	66
	IT	64	38	59
	MBA (2008-2010)	56	56	100
	MBA (2009-2011)	53	53	100
2008-2012	CSE	62	42	68
	ECE	111	89	80
	EEE	64	43	67
	IT	60	39	65
	MBA (2010-2012)	55	54	98
	MCA (2009-2012)	48	48	100
2009-2013	CSE	72	55	76
	ECE	156	100	64
	EEE	70	49	70
	IT	62	44	71
	MECH	66	52	79
	MBA (2011-2013)	64	48	75
	MCA (2010-2013)	55	55	100



Systematic monitoring of the progress and performance of students over the years indicates a status quo in the results and overall performance of the students. There is an impressive increase in the number of University rank holders.

2.5.6 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.

The centralized system of the Exam Cell ensures that the tests are in a methodical manner. Three internal tests are conducted of which the average is calculated and the conversion scale is on 15. Transparency is ensured by

distributing of evaluated answer booklets to the students which is checked and counter signed. The weightage for attendance is as per University norms on a scale of 5. The total internal is calculated for 20.

The Institute involves the students in several activities which in turn contribute to their overall development. However, no additional weightage is assigned for their involvement since the University does not provide this option.

2.5.7 Does the institution and individual teachers use assessment / evaluation as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

The internal tests as well as grades obtained in the University examinations are the major indicator for evaluating student performance. However performance in other areas such as case studies, presentations, industry projects are recognized and rewarded.

2.5.8 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

Efforts are taken to evolve a foolproof system of evaluation both at the college and University level. However grievances that arise are promptly addressed. In the case of internal assessment, test booklets are returned to the students within a stipulated time. Any discrepancy in marks or evaluation methodology is expressed to the faculty and it is resolved after which the students affix their signature on the booklet.

The University has a system of redressing the grievances related to evaluation. After the publication of results, the University communicates the dates for the representation of grievances related to evaluation. It makes provision for re evaluation of answer scripts.

A special provision is also available where a photocopy of the evaluated answer script could be obtained for valuation by the subject teacher where any disparity found could be communicated to the University. University notification regarding fees and dates is intimated to students by the exam cell which executes the entire procedure

2.6. STUDENT PERFORMANCE AND LEARNING OUTCOMES

2.6.1 Does the college have clearly stated learning outcomes? If ‘yes’ give details on how the students and staff are made aware of these?

Well designed learning outcomes help both faculty and learner navigate towards purposed learning goals.

- The primary aim is to strengthen basic knowledge of core engineering concept
- To equip the learner with skills to become employable
- To provide necessary guidance to look at higher education and research
- To inculcate a sense of social responsibility.

Strategies to achieve the learning outcomes are impressed upon the faculty during orientation programmes. The students receive an extensive round of orientation by the Management, Principal, Heads of the department and senior staff during the induction programme. Periodic reinforcement of the outcomes by the faculty conditions them to an outcome based learning situation.

2.6.2 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

The ADC, ISO and IQAC ensure that the teaching, learning and assessment procedures of the institution are in place. The Centres of excellence run technical skill enrichment programs necessary to meet the industry demands. The research council provides a forum for cultivating a research bent of mind. The Training and Placement Cell guides in employment know-how while a number of cells/clubs have been established to nurture holistic development and to promote social responsibility.

2.6.3 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (quality Jobs, entrepreneurship, innovation and research aptitude) of the courses offered?

The efforts taken by the institution to establish the social and economic relevance of the course opted for is attempted in the following ways.

- Counseling offered at the time of admission regarding the program and its scope
- Value Added courses, training, lectures, invited talks on industry practices and changing trends help enhance placement opportunities

- The talent pool for research activities is identified and encouraged by the research council and the journal club
- Mastering of life skills that enables them adapt to real life situations.

2.6.4 How does the institution collect and analyze data on student learning outcomes and use it for planning and overcoming barriers of learning?

Data regarding the effectiveness of the learning process is obtained periodically through the testing systems that are in place, the feedback both from students and parents at the time of Parent Teacher Meetings, class committee meetings, end semester and exit meetings. Suggestions and recommendations such as in areas of communication and soft skills, enrichment programs, elective courses are acted upon.

2.6.5. How does the institution monitor and ensure the achievement of learning outcomes?

A monitoring system ensures progress and achievement in learning outcomes.

- HoDs and department staff discuss department specific objectives and outcomes
- HoDs and Principal analyze the outcomes in terms of progress and targets to be attained
- Management proposes corrective measures
- Governing Council directs institutional objectives and outcomes.

2.6.6 What are the graduate attributes specified by the college/affiliating University? How does the college ensure the attainment of these by the students?

The attributes that confer social and professional acceptance are emphasized in the culture and work norms of the institution.

Possessing good technical skills, professional ethics to suit a chosen job, sensitivity to the society they serve and the environment in which they live are important attributes for professing engineers. These skills are well ingrained throughout their tenure in the institution and bond them to their alma mater.

An uncompromising value system practiced in the institution forms natural bedrock on which the students are nurtured.

CRITERION - III

**RESEARCH, CONSULTANCY
AND
EXTENSION**

CRITERION - III

RESEARCH, CONSULTANCY AND EXTENSION

3.1 PROMOTION OF RESEARCH

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

The institution is yet to obtain recognition as a research centre. The departments of Electronics and Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering have applied for Research Centre Recognition at Anna University, Chennai and are awaiting approval.

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Yes, the Institute has the following Research Committee to monitor and address the issues of research.

Chairperson	: Dr. K.Porkumaran (Principal)
Convener	: Dr. S.Suresh Kumar (Director-Research)
Members	: Dr. M.Gopinath (EEE) : Dr. K.Ravi Kumar (Mechanical) : Dr. R.Jayabrabu (MCA) : Dr. Thomas Michael (MBA) : Dr. M.Dhivya (ECE) : Dr. T.Arunkumar (S&H) : Ms. Nagalakshmi Venugopal (CSE) : Ms. S.Santhi (IT) : Ms. J. Karpagam (BME) : Ms. K. Kavitha (Civil)

Recommendations :

Grant of Special leave/sabbatical for completion of Ph.D.

- Ms. S. Santhi (IT) , Mr. C. Selvakumar (Physics), Ms. Latha K Menon (English) availed special leave.

Recommendation to apply for project proposals

- The faculty members are motivated to apply for project proposals from agencies like DRDO, AICTE, ISTE, CSIR, TNSCST, IEEE, and Anna University.

Incentives for publications

- Cash awards are given for publishing papers in refereed journals.

Recommended to organize National/International conferences

- “Fourth International Conference on Signal and Image Processing 2012 (ICSIP '12)”, was organized from December 13–15, 2012, in association with Springer
- “IEEE International Conference on Green Computing, Communication and Electrical Engineering ICGCCEE'14” was organized from 6-8, March 2014, in association with IEEE.

To invite academic and industry researchers to address faculty

- Experts from ISRO, IIST, DRDO, Bhabha Atomic Research Centre, University of Illinois, University of Texas, Wayne State University, East Carolina University, Nanyang Technological University, Singapore, Indian Institute of Science, Bangalore, Indian Institute of Technology, Delhi, National Institute of Technology, Trichy etc. visited the institution and addressed the faculty and students. Special discussion forums were also organized with reputed speakers.

Recommendations to motivate students

- Journal club was established
- Travel grants for presenting papers
- Details of student research grants periodically notified and awarded
- Students publish papers with faculty as co-authors.

To become members in Professional Societies and Chapters

- Faculty and students have enrolled as members in 12 Professional Societies.

Board of R&D with experts from academia and industry

Board was constituted with the following members.

- Chairperson : **Dr. K.Porkumaran** (Principal)
Convenor : **Dr. S. Suresh Kumar** (Director – Research)
Members : **Mr. Karthikeyan**
Chief Operations Officer
: **Dr. G. Sainarayanan**
Sr. Technical Specialist
HCL Technologies Ltd., Chennai
: **Mr. S. Arulselvan**
Print Architect
Novell Software Technologies (India) Pvt. Ltd.
Bangalore
: **Dr. Rajeev Sukumaran**
Sr. Research Consultant
Wipro Technologies, Chennai
: **Dr. N. Selvagesan**
Head, Avionics
Indian Institute of Space Science and Technology,
Thiruvananthapuram
: **Dr. K. S. Amirthagadeswaran**
Professor, Government College of Technology,
Coimbatore

To provide travel grants for faculty for attending research oriented activities

- The Management provides travel grant to the faculty members for research activities.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/projects? (a) autonomy to the Principal investigator, (b) timely availability or release of resources, (c) adequate infrastructure and human resources, (d) time-off, reduced teaching load, special leave etc. to teachers, (e) support in terms of technology and information needs, (f) facilitate timely auditing and submission of utilization certificate to the funding authorities, (g) any other

The Principal Investigator/Chief Coordinator is given autonomy for the following that come under the purview of his investigation.

- Creating infrastructural facilities
- Purchase of equipments
- Manpower recruitment
- Operation of funds-recurring and non-recurring
- Travel for attending research related programmes
- Funds are routed through the department of finance based on the request of the investigator. Other necessary and additional resources are provided by the management.

Well-equipped lecture halls, sophisticated conference halls on Campus and KMCH (parent institution), library, industry powered laboratories, photocopying facility, fax, printers and administrative support is extended to faculty and students.

Study leave is provided to carry out research work. Leave on duty is provided to attend doctoral committee meetings, viva voce, presentation and other research related activities.

Tools like MATLAB, LabVIEW, Automation Studio, Universal Testing Machine, Compaction Test Equipment, STAAD Pro, CREO etc. are available for the faculty and student researchers.

The finance department of the institute helps in the preparation of audited utilization certificate and getting the same attested by a chartered accountant. The administrative staff assists in submission of utilization certificate to the funding authorities as and when required.

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

The institution makes the following efforts for developing scientific temper and research culture:

- The research and development centre conducts seminars that educate on investigative procedures, technical writing and other related aspects for students
- The Journal Club promotes review of journal articles by students and faculty the summation is documented
- Students have published research papers with faculty members in National / International Conferences and Journals

- Students are encouraged to apply for research grants and they have also won awards for their research projects
- Guidelines for students' project reports are compiled based on the guidance of external and internal reviewers, which helps students to compete in competitions and publish papers in journals
- Guest lectures by eminent scientists, academicians and industrialists are organized regularly, such as, Research opportunities and challenges, Research Methodologies and Preparation of funding proposals
- The research projects, investigatory reports and their presentations are assessed and prizes are awarded to the best projects
- Students' participation in research oriented seminars and workshops at state and National levels are encouraged by providing appropriate financial support and on duty
- Educational tours, industrial tours, field trips, sample surveys are conducted to inculcate a scientific temper and research culture.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual / collaborative research activity, etc)

- Faculty pursue research in various domains resulting in publications and have also successfully integrated their research into teaching
- Faculty motivate a broad spectrum of engineering students by involving them in their respective research domains and assist them in publishing their work
- They function as recognized supervisors for M.Phil. and Ph.D. programmes and work in tandem with their scholars
- Faculty members have been working in collaboration with researchers from industries and universities abroad.
- Details of faculty who are recognized guides for M.Phil and Ph.D programmes are given below in table 3.1 (a)
- Details of faculty pursuing Ph.D. are given in table 3.1 (b)
- Details of Collaborative research publications are given in table 3.1 (c)

TABLE 3.1 (a)**RECOGNIZED GUIDES FOR M.Phil. AND Ph.D. PROGRAMMES**

S. No	FACULTY NAME	M.PHIL / PH.D.	UNIVERSITY	NO.OF RESEARCH SCHOLARS ENROLLED
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING				
1	Dr. K.Porkumaran	Ph.D.	Anna University	9
2	Dr. K.Porkumaran	Ph.D.	Bharathiar University	1
3	Dr. V.Kumar Chinnaiyan	Ph.D.	Visvesvaraya Technological University	1
4	Dr. M.Gopinath	Ph.D.	Bharath University	2
5	Dr. M.Gopinath	Ph.D.	St.Peter's University	5
6	Dr. M.Gopinath	Ph.D.	Meenakshi University	1
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING				
7	Dr. S.Sureshkumar	Ph.D.	Anna University	4
8	Dr. S.Sureshkumar	Ph.D.	Karunya University	5
DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS				
9	Dr. F.Mary Magdalene Jane	Ph.D.	Bharathiar University	-
10	Dr. F.Mary Magdalene Jane	Ph.D.	Anna University	1
DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION				
11	Dr. B.Subramani	Ph.D.	Anna University	3
DEPARTMENT OF MECHCANICAL ENGINEERING				
12	Dr. S.Muthu	Ph.D.	Anna University	6
13	Dr. D. Devika	Ph.D.	VIT, Vellore campus	3
14	Dr. K. Ravi Kumar	Ph.D.	Anna University	-

TABLE 3.1(b)
FACULTY PURSUING Ph.D.

S. No	FACULTY NAME	UNIVERSITY / INSTITUTE	YEAR OF ENROLLMENT
1	Ms. R.K.Sudhamathi	Bharathiar University	2007
2	Ms. A. Senthil Vadivu	Anna University	2007
3	Ms. C.Ellammal	Anna University	2008
4	Ms. S.Santhi	Anna University	2008
5	Ms. J. Karpagam	Anna University	2008
6	Ms. Nemavathi K S	Bharathiar University	2008
7	Mr. T.Sivakumar	Anna University	2008
8	Mr. S. Kalidass	Anna University	2008
9	Ms. N.Nalini	Anna University	2008
10	Ms. Gayathridevi.K	Anna University	2009
11	Ms. K.Kothavari	Anna University	2009
12	Ms. J.Rejina parvin	Anna University	2009
13	Ms. Nagalakshmi Venugopal	Anna University	2009
14	Ms. C.Sri Akilam	Anna University	2009
15	Mr. S.Boopathy	Bharathiar University	2009
16	Mr. A. Selvaraj	Anna University	2009
17	Mr. C. Selvakumar	Anna University	2009
18	Mr. M.Muralikrishnan	Anna University	2010
19	Mr. R.Rajendrakumar	Anna University	2010
20	Mr. R.Naveen Kumar	Karpagam University	2010
21	Mr. P.Gopi Krishnan	Anna University	2010
22	Mr. M.Thirumalai	Anna University	2010
23	Mr. V. Sivaraman	Anna University	2010
24	Mr. S. Sathiyaraj	Bharathiar University	2010
25	Mr. M.Senthil rajan	Anna University	2011
26	Mr. M.Nallusamy	Anna University	2011
27	Mr. D. K. Saravanan	Anna University	2011
28	Ms. Latha. K. Menon	Karpagam University	2011
29	Ms. M.Thillairani	Anna University	2012
30	Mr. K.P.Saipradeep	Anna University	2012
31	Mr. K. Saravanan	Anna University	2012
32	Mr. D.Daniel	Anna University	2012
33	Mr. P.Jayasheelan	Anna University	2012
34	Ms. K.Kavitha	Karunya University	2012
35	Mr. V.Dhanavel Pandi	Bharathiar University	2012

36	Ms. K.Lalithamani	Bharathiar University	2012
37	Ms. S.Bhuvana	Bharathiar University	2012
38	Ms. G. Thenmozhi	Bharathiar University	2012
39	Ms. K.S.Thangamani	Bharathiar University	2012
40	Mr. N. R. Govinthasamy	Anna University	2013
41	Ms. Anitha P	Anna University	2013
42	Ms. Nidhya .R	Anna University	2013
43	Mr. E.Sivaraman	Bharathiar University	2013
44	Ms. Anusha V	Anna University	2013
45	Mr. S.Venkatesan	Anna University	2013
46	Mr. V. M. Manivasagam	Karpagam University	2013
47	Ms. Kavitha Prabhakaran	Bharathiar University	2013
48	Ms. N. Deepa	Anna University	2014
49	Mr. M.Senthilanthan	Anna University	2014
50	Ms. R.Suganthi	Anna University	2014
51	Mr. A. Dinesh Kumar	Anna University	2014
52	Ms. A. Praveena	Anna University	2014
53	Mr. R. Ranjith	Anna University	2014
54	Mr. N.Senthil Prabhu	Anna University	2014

TABLE 3.1(c)

COLLABORATIVE RESEARCH PUBLICATIONS

S. NO.	NAME	DEPARTMENT	COLLABORATING AGENCY
1	Dr K. Porkumaran	EEE	Arvind Eye Hospital, Coimbatore
2	Dr. Mary Magdalene Jane F	MCA	Dr. Maytham Safar, Kuwait University
3	Dr. T. Arunkumar	Physics	Mr. Amimul Ahsan, University Putra, Malaysia
4	Ms. A. Senthil Vadivu	Mathematics	Dr. S. Dharmraja, IIT, Delhi

3.1.6 Give details of workshops/ training programmes/ sensitization programmes conducted/organized by the institution with focus on capacity building in terms of research and imbibing research culture among the staff and students.

The research centre, departments organize lectures, workshops, training programmes, sensitization programmes, national and international conferences on different research areas in engineering and technology periodically. The Research Committee invites experts from the academia and research centers with the motive of imbibing research culture among the faculty members. Information regarding research related programmes organized by the University and other institutions is displayed regularly on the notice board, circulated among students and faculty and put up on the institute website to encourage student participation.

**TABLE 3.2
DETAILS OF WORKSHOPS/ TRAINING PROGRAMMES
ORGANIZED**

DEPARTMENT	YEAR	PROGRAM
CIVIL	2014	Strategies on Advanced Surveying
CSE	2012	International Conference on Signal and Image Processing ICSIP'12
		Recent Trends in Network Security
		Cloud Computing application development
		Grid computing
		Ethical Hacking
	2013	An Introduction to Genetic Programming
		Cloud Computing
		Android application development
		Big data Storage and Analytics
		Cloud Computing
	2014	Network Security
2014	Android Application Development	
ECE	2009	Virtual Instrumentation VISSIM and Tanner EDA Tool
	2010	4G Multimedia and Networking
	2011	Building software for Automotive Industry
		Guest Lecture on "Cyber Physical Systems"
		Guest Lecture on "Latest Trends in Embedded Systems"
		Research – A guiding Spirit to Mankind

	2011	Two Days National Level Robotics Workshop – ROBOTRYST 2012
	2012	Guest Lecture on “Latest Trends in Telecommunication”
		Two day workshop on Emerging areas and Training in DSP Automation in Automotive Industry
	2013	Guest lecture on “Real Life Application of DIP and Pattern Classification”
		Guest Lecture on “Embedded Computing System”
		National Level Robotic Workshop
		Two Day Workshop on “Digital Image Processing”
		Two Day National Level Workshop on “CMOS IC Design”
	2010	One Day Workshop on “Latex”
		Robotic Workshop
EEE	2012	Power System Operations and Control PSOC’10-Workshop
		Training on Lab VIEW core 1 and Lab VIEW core 2
		Siemens Training on SCADA
	2013	Siemens Training on PLC
		One Day Workshop on Digital Image Processing
	2014	AICTE sponsored National Workshop on Control System Design for Modern Applications using MATLAB
MECH	2014	IEEE International Conference on Green Computing, Communication and Electrical Engineering- ICGCCEE’14
	2013	Two day workshop on Tribology
	2013	Training Program on Non Destructive Testing
MBA	2014	One day National Conference on “New Nano Composite Coatings for Tribological Applications (NNCCTA-14)”.
	2009	Special Lecture on Data Analysis and Research Methodologies using SPSS
MCA	2012	SAP for Business Excellence
		OR and Implications in Real Time Scenario
		Getting Agile
	2013	Cloud Computing and its Application
		Artificial Intelligence
		Cloud Based CRM Services
		Biological Data Mining in Cancer
	2014	Data Warehousing – ETL Solutions
Role of Oracle Database in E Commerce		

3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

There are 26 Ph.D. Degree holders in the institute who work on different areas of Engineering, Technology and Management Studies.

TABLE 3.3

DETAILS OF PRIORITIZED RESEARCH AREAS AND EXPERTS

S.NO.	FACULTY NAME	Ph.D. DISCIPLINE	RESEARCH AREA
1	Dr. K.Porkumaran	Electrical Engineering	Modeling and Simulation, Control Systems, Neural Networks and Fuzzy Systems, Process Control and Instrumentation Systems, Image and Video Processing ,Biomedical Engineering
2	Dr. V.Kumar Chinnaiyan	Electrical Engineering	Power Quality, Multilevel Inverter, Solar Applications, Power Electronics and Drives
3	Dr. M.Gopinath	Electrical Engineering	Electrical Engineering, Power Electronics and Drives
4	Dr. S.Sureshkumar	Electrical Engineering	Power Electronics and Drives, Embedded Systems, Signal and Image Processing, Renewable Energy Technologies
5	Dr. M.Viswanathan	Information and Communication Engineering	Instrumentation for flow measurement
6	Dr. M.Dhivya	Electrical Engineering	Wireless Sensor Networks, Soft Computing, Embedded Systems
7	Dr. B.Subramani	Management Sciences	Human Resource Management and Marketing Management
8	Dr. S.Mohanavel	Management Sciences	Marketing Management and Systems
9	Dr. Thomas Michael	Management Sciences	Marketing Management and Human Resource Management
10	Dr.F.Mary Magdalene Jane	Science and Humanities	Pervasive Computing, Data Management
11	Dr. M.Duraisamy	Science and Humanities	Image Processing, Cellular networks

12	Dr. R.Jayabrabu	Science and Humanities	Data Mining, Database Management
13	Dr. T.Logeswari	Science and Humanities	Medical Image Processing, Optimization Techniques
14	Dr. S.V.Sudha	Information and Communication Engineering	Parallel Computing, Operating Systems, Multi core Architectures
15	Dr. V.Vani	Information and Communication Engineering	3D Computer Graphics and Vision, OOAD, Image Processing
16	Dr. S.Muthu	Mechanical Engineering	Manufacturing, Quality Maintenance, Cutting Tool and Machine Tool Maintenance
17	Dr. C. Selvaraj	Mechanical Engineering	Foundry, Manufacturing Engineering
18	Dr. D. Devika	Mechanical Engineering	Rapid Prototyping, Image Processing, Manufacturing and Optimization
19	Dr. K. Ravikumar	Mechanical Engineering	Material Science, Machining and Metallurgy
20	Dr. T. Senthil Vadivel	Civil Engineering	Concrete Structures, Construction Management and Solid Waste Management
21	Dr. C.Kailsam	Science and Humanities	Statistics, Operations Research , Mathematical Modeling
22	Dr. Sucheeta Ramachandran	Science and Humanities	Afro-American Literature
23	Dr. M.Jagadesh	Science and Humanities	Test and Measurement
24	Dr. T.Arunkumar	Science and Humanities	Solar Energy and its Utilization/Salt water Desalination

Research Expertise Available in the fields of :

Control Systems and Instrumentation

Dr. K. Porkumaran

Image and Video Processing:

Dr. K. Porkumaran

Dr. S. Suresh Kumar,

Dr. M. Duraisamy

Dr. V.Vani

Dr. T.Logeswari.

Power Systems, Power Electronics and Drives:

Dr. K.Porkumaran
Dr. S.Sureshkumar
Dr. V.Kumar Chinnaiyan
Dr. M.Gopinath
Dr. M. Dhivya

Renewable Energy Technologies:

Dr. K.Porkumaran
Dr. S.Sureshkumar
Dr. V.Kumar Chinnaiyan
Dr. T. Arunkumar

Soft Computing Techniques:

Dr .K.Porkumaran
Dr. C.Kailasam
Dr. T.Logeswari
Dr. M.Dhivya

Grid and Cloud Computing, Pervasive Computing, Algorithms and Mobile Communications:

Dr. F. Mary Magdalene Jane
Dr. S.V.Sudha
Dr. V.Vani

Data Mining:

Dr. R. Jayabrabu

Manufacturing, Engineering Design, Automation and Technology:

Dr. S.Muthu
Dr. C. Selvaraj
Dr. D. Devika
Dr. K. Ravikumar

Marketing and Human Resource Management:

Dr. B.Subramani
Dr. S.Mohanavel
Dr. Thomas Michael

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

The institute arranges invited talks, workshops, seminars and conferences which provide a forum for interaction. Dr. A.P.J. Abdul Kalam, Former President of India visited the institute, addressed and interacted with the staff and students. Mr Azim Premji, Chairman, Wipro and Dr. Mayilswamy Annadurai, Director- Chandrayan II, ISRO have graced the institution by their presence.



Dr. A.P.J. Abdul Kalam, Former President of India



Mr. Azim Premji, Chairman, WiproTechnologies

The following is a list of eminent scholars who actively participated in such forums:

TABLE 3.4

DETAILS OF VISITS BY RESEARCHERS OF EMINENCE

S. NO	DATE OF VISIT	NAME OF THE EMINENT RESOURCE PERSON	DESIGNATION	RESEARCH AREA
1	27/03/2010	Dr. P.Mannar Jawahar	Vice Chancellor, Anna University	Production and Automobile Technology
2	04/02/2011	Dr. MangalaSuder Krishnan	NPTEL Coordinator , IIT Madras.	Theoretical rotational-vibrational spectroscopy of excited molecular states
3	17/03/2011	Padma Sree Dr. B.N. Suresh	Distinguished Professor, ISRO, Bangalore,Former Director, IIST	Launch vehicle design, Aerospace guidance and control systems, Avionics, Modeling and simulation
4	20/07/2011	Prof. Richard Lai	Latrobe University, Australia	Software Economics, Measurement, Reliability and Testing
5	21/07/2011	Dr. S.Lakshmi Narayanan	Associate Professor, Deputy Director, CDTL, National University of Singapore	Informatics, Process Control
6	22/07/2011	Prof.P.R.Kumar	Professor, ECE, Illinois University, USA	Wireless Networks, Sensor Networks, Convergence of Control
7	30/07/2011	Dr. MylswamyAnnadurai	Scientist, ISRO	Aerospace Engineering
8	12/8/2011	Dr.Jey Veerasamy	Professor of Computer Science, University of Texas, Dallas, USA	Software Engineering
9	7/3/2012	Dr. G.Sudhasadhasivam	Professor,CSE ,PSG College of Technology	Distributed Computing, Grid and Cloud Computing, Software Engineering and Distributed Component Architecture
10	7/4/2012	Dr. E.Balagurusamy	Former Vice Chancellor, Anna University	Data Structures,Electrical and Systems Engineering

11	5/5/2012	Dr. N. Selvagesan	Head Avionics, Indian Institute of Space Science and Technology, Trivandram.	Avionics
12	7/7/2012	Dr. P.Siva Kumar	Director, CVRDE DRDO, Chennai.	Design and Development of tracked and wheeled vehicles application
13	14/12/2012	Dr. B. H. Shekar	Associate Professor, Department of CSE, Mangalore University	Pattern Recognition, Image Processing, Database Systems, Algorithms.
14	14/12/2012	Dr. S. Nagender Kumar	SEAT, Massey University, New Zealand	Embedded Systems, Sensor applications, Robotics
15	14/12/2012	Dr. P. Nagabhusan	Professor, CSE, University of Mysore	Pattern Recognition, Digital Image Analysis and Processing, Document Image Analysis and Knowledge Mining.
16	14/12/2012	Dr. K.Krishnamurthy	Associate Director, CVRDE,DRDO Chennai	Robotics
17	14/12/2012	Dr. K.C. Tan	School of Electrical and Computer Engineering, National University, Singapore	Computational and Artificial Intelligence
18	10/1/2013	Dr. P.R.Perumalswami	Adjunct Professor- Mechanical Engineering, Wayne State University.USA.	Automobile Engineering
19	19/01/2013	Dr. Kumar Rajamani	GE Global Research, Bangalore	Medical Imaging, Signal Processing, Image Processing
20	28/02/2013	Prof. S. Thangavelu	Department of Maths, IISc, Bangalore	Applied Mathematics
21	30/02/2013	Dr. V.L. Narasimhan	East Carolina University, USA	Parallel Algorithms, Architectures and Software Engineering
22	31/02/2013	Prof. N. Sundararajan	Retd. Professor, EEE, Nanyang Technological University,Singapore	Control Systems
23	6/3/2013	Dr. A. Sethuramiah	Former Professor, IITD	Manufacturing and Engineering Design

24	8/3/2013	Dr. V. Balasubramanian	Professor, Manufacturing Engineering, Annamalai University	Materials and Manufacturing Technology
25	8/3/2013	Dr. Geetha Manivasagam	Professor, School of Mechanical and Building, VIT University	Automotive Engineering and Bio Materials
26	8/3/2013	Dr. A Elaya Perumal	Director, Logistic Center, College of Engineering, Guindy	Engineering Design
27	8/8/2013	Dr. BhojanAnand,	Professor - Dept of CSE National University of Singapore	Ubiquitous computing, Distributed systems, Remote Monitoring
28	26/08/2013	Dr. E.B.Perumal Pillai	Former Registrar Anna University, Madurai	Structural Engineering
29	27/08/2013	Dr. Prakash.G. Balasubramanian,	Research Associate, EISL Labs - Computational Oncology, Theoretical Bioinformatics, German Cancer Research Institute (DKFZ), Germany	Medical Image Processing , Computational Oncology
30	7/3/2014	Dr. T.Arunkumar	Professor, Software Systems Division, VIT University, Vellore.	Data mining and Soft computing
31	7/3/2014	Dr. A. Chitra	Professor and Head, Department of CSE, PSG Tech	Grid and Cloud Computing
32	7/3/2014	Dr. P.Rajkumar	Project Manager/EEH, Robert Bosch, Coimbatore	Wireless Networking and Optical Communication
33	7/3/2014	Dr. Y.Gene Liao	Director, Electric Transportation Technology, Wayne State University, USA	Hybrid Electric System
34	7/3/2014	Dr. Mathew Cherian	Consultant Radiologist, KMCH, Coimbatore	Bio image Processing

35	8/3/2014	Dr. G.Sai Narayanan	Senior Consultant,HCL Technologies, Chennai.	Image Processing
36	8/3/2014	Dr. N. Selvagesan	Head, Dept of Avionics, IIST, Trivandrum	Avionics
37	8/3/2014	Dr. S.N.Sivananadan	Emeritus Professor, Karpagam University	Control Systems

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

The study leave facility has been availed by few faculty members. Ms. A. Senthilvadivu, Department of Mathematics availed special leave to proceed to IIT, Delhi and published research papers in collaboration with Dr. S. Dharmaraja, IIT, Delhi. Ms. S. Santhi, Department of IT, Mr. C. Selvakumar, Department of Physics, and Ms. Latha K. Menon, Department of English have availed study leave.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land).

Few research themes have been implemented by the students at the parent institution KMCH and other industries in and around Coimbatore. Details are mentioned in Table 3.5.

TABLE 3.5
DETAILS OF PROJECTS - LAB TO LAND

DEPARTMENT	YEAR	NAME OF THE PROJECT	END USER / BENEFICIARY
IT	2010	Developing host interface for EVOLIS	KMCH
	2010	Developing host interface for ABL555 System	KMCH
	2010	Developing host interface for ABBOT AXSSYN System	KMCH
	2012	Telemedicine for Remote Healthcare centre	KMCH
	2013	Smart Healthcare Monitoring Device	KMCH
ECE	2012	Efficient Wireless Data transfer for real time green house management using IEEE 802.15.4/ Zig Bee	TNAU, Coimbatore
	2013	Visual inspection system using undecimated haar wavelet transform in automobile skeleton painting	Orient Body shop India Private Limited, Coimbatore
CSE	2013	Android Tamil Keyboard	Mobile users
EEE	2011	Energy saving using photovoltaic in industry	KMCH
	2011	Track Manager for the Differently- Abled	KMCH
	2012	Energy Auditing in ACC Cements LTD,	ACC Cements LTD, Coimbatore.
MECH	2013	Improvements in performance of FIP's in H – series CMO Engines	Ashok Leyland Limited, Chennai
	2013	Study and analysis of welding defects in worn out boiler drum and remedial measures	BHEL, Trichy
	2014	Design and fabrication of dual cavity runner cutting machine with double fixture	Unique shell mould (India) Private Limited, Coimbatore
	2014	Design and fabrication of endless belt slitting machine	Vijay Engineering, Coimbatore
	2014	Remedies for damage occurs on bed in laser cutting of sheet metals	Santhos Industries, Coimbatore

3.2 RESOURCE MOBILIZATION FOR RESEARCH

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

The institute does not have an exclusive budget head for research activity. However, financial assistance for all research related activities, purchase of journals, books etc. is provided on need basis. Expenditure for the conduct of seminars, conferences and workshops are provided by the management if they are not funded by external agencies.

The institution has constituted a committee to formalize the process and make provision for promotion of research connected activities in its forthcoming budget.

The institution has provided financial support to conduct international conferences--ICSIP 2012 (Springer) and ICGCCEE 2014 (IEEE). The institute and the Research and Development Cell is supported by National Instruments Academy, Texas Instruments Centre, IBM Software Centre of Excellence and CAD/CAM Lab to provide infrastructure facility to establish research laboratories.

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

The institution has a proposal to provide seed money to the faculty for research in its forthcoming budget. The institute has exclusive R&D Account to support research related activities.

3.2.3 What are the financial provisions made available to support student research projects by students?

The institution provides registration fee and travel allowance to students who attend research related programmes and award winning project presentations.

TABLE 3.6**FINANCIAL ASSISTANCE FOR STUDENT RESEARCH PROJECTS**

DEPARTMENT	YEAR	AMOUNT	PURPOSE FOR WHICH FUNDS RECEIVED	STUDENTS
IT	2013-14	Rs. 32,875	To complete the Project on Smart Healthcare Monitoring System	K.Ashok kumar K.Kumar raj Lamino Lawrence R.Mukunthrai
ECE	2013-14	Rs. 27,580	Travel grant to IIT Bhuvaneshwar for attending Robotics Competition.	V.Arun Jayakumar Rakesh R.Nair Sunandhini.R Reshma Rajan Shalu Sara Abraham
	2013-14	Rs. 24,240	Travel grant to IIT Mumbai, for attending Robotics Competition	Jewel Serin Johnson, H.Mythrehee, Nazneen Fatima, Suganya.S.
EEE	2012-14	Rs. 2,000	Travel grant to receive "Motorola Scholar award" conducted by MOTOROLA	N.G.Dhatchana, Dimple C Paul, S.Karthik P.Revathi

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

The departments of ECE, EEE, CSE, IT and MCA work on image processing projects. The ECE and EEE departments work with BME department in the biomedical domain.

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

The research and development centre maintains details of specifications, venue and availability of the tools which are used for research. The various centers have tools like LabVIEW, AutoCAD, Pro-E/Creo, MATLAB etc. which are kept open till 7.30 pm with technical assistants to facilitate research. The library and the internet labs are also open till 7.30 pm and special transport facilities are provided for faculty and students who do research beyond working hours.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If ‘yes’ give details.

The institution has received special grants of Rs. 11 lakhs for Lab kits from Texas Instruments to establish the TI centre. Many faculty members have applied for grants to various agencies and have received grants from CSIR, ISTE, AICTE, DRDO, TNSCST, Anna University and DST to conduct research seminars and conferences. Proposals have been sent to funding agencies to establish laboratories for research activities

**TABLE 3.7
DETAILS OF FUNDS RECEIVED FROM EXTERNAL AGENCIES**

DEPARTMENT	YEAR	AGENCY	AMOUNT	PURPOSE
CSE	2012	TNSCST	Rs.10,000	Student Projects Scheme
	2013	ISTE	Rs.5,000	Big data Storage and Analytics
	2014	ISTE	Rs. 1,00,000	Apache Hadoop and Big Data
IT	2012	KMCH	Rs.15,500	Telemedicine for Remote Healthcare
	2013	CSI	Rs.5,000	National level workshop on Microsoft windows phone
MCA	2010	CSIR	Rs. 30000	National Conference on technological advancements in Data Mining
ECE	2012	NI	USD 750	NI – Global Design Contest
EEE	2010	ICTACT	Rs.10,000	Student Project Proposal Scheme
	2010	ICAACT	Rs.15,000	Student Project Proposal Scheme
	2011	AICTE	Rs 9,96,000	IIPC
	2011	TNSCST	Rs 6,000	Student Project Scheme
	2012	Motorola	Rs.7,000	FAER -Foundation for Advancement of Education and Research
	2012	IEEE	Rs.7,000	IEEE Project Award
	2012	NIYANTRA	Rs.50,000	Project contest
	2012	TNSCST	Rs.10,000	Student Projects Scheme
	2012	TNSCST	Rs.7,000	Student Projects Scheme
	2012	TNSCST	Rs.10,000	Student Projects Scheme
	2012	TNSCST	Rs.10,000	Student Projects Scheme
	2013	AICTE	Rs 2,00,000	Seminar/Workshop Grant
2014	IEI	Rs.5,000	International conference	
MECH	2014	DRDO	Rs 30,000/-	One day National Conference on “New Nano Composite Coatings for Tribological Applications (NNCCTA-14)”.

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

The Research Development Council sends information to the departments regarding the funding agencies . Research proposals have been sent to UGC, DRDO, DST, CSIR, AICTE, TNSCST, ISRO etc.,

3.3 RESEARCH FACILITIES

3.3.1 What are the research facilities available to the students and research scholars within the campus?

Structural Facility

The institute has IBM Software centre of Excellence, CISCO Networking Academy, Texas Instruments Center, National Instruments LabVIEW Academy and various cells to provide facility for research. The library has access to E-journals like IEEE Xplore, Science Direct etc. The E-journals can be accessed from the campus through Wi-Fi connectivity.

Intellectual Facility

The institute has a number of experts in various research areas to facilitate research. The students and faculty members are trained to work with various tools through MoU collaboration. Support is taken from the parent institute KMCH and its sister concern institutions, in terms of funding, guidance, mentoring, and for infrastructural facilities. AOSTA (sister-institution) has provided tools and training to students for healthcare related research.

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?

The Research and Development Council identifies the emerging research areas considering the specialization of faculty and suggests the tools and training programs for faculty and students.

The Council uses grants from funding agencies and also obtains support from the management to organize talks and workshops on emerging trends. Researches in areas related to Biomedical Engineering are identified with the support of resource personnel of KMCH. The guidance of accessing the latest equipment is met by KMCH. Resource persons are invited to address the students and faculty on emerging areas like Cloud Computing, Big Data, Image Processing, Cyber Physical Systems, Embedded Computing System etc.

**TABLE 3.8
DETAILS OF RESEARCH FACILITIES**

DEPARTMENT	NAME OF THE LAB	TOOLS / EQUIPMENTS
CIVIL	Survey Lab	Total Station , Theodolite and Dumpy Level
	SM Lab	40 Tonne Universal Testing Machine
	Concrete Lab	Compaction Test Apparatus, Flexural Testing Machine
	Highway lab	CBR Apparatus, Ductility Apparatus, Impact Testing Machine
	Environmental Lab	BOD Apparatus , Jar Test Apparatus Nephelometer
	Soil lab	Triaxial Shear Tester, 3 Gang Consolidation Apparatus
	CAD Lab	STAAD PRO
	Hydraulics lab	Turbines, Pumps, Adjustable Flow through Channel
CSE , IT,MCA	Programming Lab	OPNET, NS2
ECE	VLSI Lab	XILINX System Edition Version 13.4 (Logic Edition, EDK, System Generator) : 25 User License XILINX Spartan 3e FPGA Trainer Kit (VSK Spartan 3e), 500 K Gate Density : 5 Kits XILINX Spartan 3e FPGA Trainer Kit (VPTE - 10) : 10 Kits
	DSP Lab	DSP Starter Kit (DSK) Fixed Point DSP : 5 Kits DSP Processor Kit TMS320VC 5416(DSK) :10 Kits MATLAB 2012 B VERSION : 25 Users
	EMBEDDED Lab	ORCAD Simulation Suite 8051 Microcontroller Development Kit ARM Microcontroller Development Kit PIC Microcontroller Development Kit ARM Development Board Stellaris LM3S8962 : 6 kits Embedded DSP Based System Designing (a) Analog DSP Tool Kit : 6 kits (b) Code Compressor Studio for Embedded DSP using Texas Tool Kit : 10 Kits
	Texas Instruments Lab	Analog Starter Kit :20 Kits , Steps Experimental Board : 20 Kits MSP430 Launch Pad : 20 kits , MSP5529 Experimental Board :4 Kits C2000 Piccolo Launch Pad :40 Kits, Steps Experimental Board :20 Kits C2000 Peripheral Explorer Kit – TMDSPREX28335 : 40 Kits Steps Experimental Board : 20 Kits ANVYL Board :1 Kit ZED Board Zynq-7000 Development Board :1 Kit Mentor Graphics Hep-1 and Hep-2 (3 Yr License) : 40 User License ATLYS Spartan 6 FPGA Development Kit :5 Kits VIRTEX 5- GENESYS –Diligent :1 Kit NEXYS 3- Spartan 6 FPGA Board- Diligent :10 Kits XILINX - System Edition ver. 14.1 : 25 User License
EEE	NI Lab	NI ELVIS Hardware Kit. NI Software For 50 User, NI PCI 6221.
	Simulation Lab	MATLAB : 20 User, Power World : 40 licence
MECH	Mechanical Lab	Tool Dynamometer, Boiler with DAQ, Automation studio, MATLAB, LabVIEW, ANSYS, Pro-E/CREO

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities?? If 'yes', what are the instruments/ facilities created during the last four years.

Yes, the institution has received a special grant of Rs. 11 lakhs for Lab kits from Texas Instruments for the smooth functioning of the laboratory. The CADD centre is provided with 150 user license in Pro-E/CREO software.

3.3.4 What are the research facilities made available to the students and research scholars outside the campus/ other research laboratories?

The institute facilitates the faculty members to carry out active research in other institutions such as PSG College of Technology, Coimbatore Institute of Technology, IIT Delhi etc. The institute encourages the faculty members and students to pursue research and develop innovative ideas in emerging engineering fields. The parent institution KMCH offers all support to researchers by providing guidance and sophisticated infrastructure. The faculty members from Computer Science, MCA and IT departments received research guidance from the department of Radiology, KMCH for their work on image processing.

3.3.5. Provide details on the library/ information resource centre or any other facilities available specifically for the researchers?

Researchers are able to access the journals from IEEE, Springer Link, Elsevier Science Direct, Mc Graw-Hill Access Engineering, J-Gate, EBSCO Database, ASCE and ASTM. Digital Library packages also are available for researchers. Wi-Fi facility is provided to download research articles anywhere in the campus. Computing and reprographic facilities are provided in the library. Facilities like DELNET, NPTEL, Eklavya Technology Channel and a Cloud based Research Platform KNIMBUS helps in searching and sharing of research content.

3.3.6 What are the collaborative research facilities developed / created by the research institutes in the college. For ex. Laboratories, library, instruments, computers, new technology etc.

Industry allied laboratories like CISCO Networking Academy, National Instruments LabVIEW Academy, Texas Instruments Centre, Oracle Work Force Development (WDP), Oracle Academy, IBM Software Centre of Excellence have been set up in the institution to facilitate research. The centers are functioning beyond college hours with technical assistants for research and product development.

3.4 RESEARCH PUBLICATIONS AND AWARDS

3.4.1 Highlight the major research achievements of the staff and students in terms of Patents obtained and filed (process and product) Original research contributing to product improvement Research studies or surveys benefiting the community or improving the services Research inputs contributing to new initiatives and social development

The Institution has obtained no patents. However, Orientation has been given on patenting and commercialization of products. It is proposed to start an IPR cell in the institution.

TABLE 3.9

RESEARCH ACHIEVEMENTS OF FACULTY AND STUDENTS

DEPARTMENT	YEAR	NAME OF THE PROJECT	END USER / BENEFICIARY
CIVIL	2013	Experimental study on Tyre Rubber Aggregate Concrete	Civil Contractors /Architects /Construction Industry
	2013	Experimental study on Rubberized concrete Hollow Block Masonry	Civil Contractors /Architects /Construction Industry
CSE	2011	Anti Hacked VPN Secured Polling	Society
	2013	Android Tamil Keyboard	Society
IT	2013	Telemedicine for Remote Healthcare Centre	Health care Professionals
	2014	Smart Healthcare Monitoring System	Health care Professionals
ECE	2012	Efficient Wireless Data Transfer For Real Time Green House Management using IEEE 802.15.4/ ZigBee	Agricultural Farmers and Scientist
	2014	Intelligent High Beam adjustment for two wheelers using Adaptive Lighting System	Automobile Industry and Society
EEE	2010	Automatic Solar Radiation Tracker	KMCH
	2011	Track Manager for the Differently Abled	Health care Professionals
	2011	Energy saving using photovoltaic in industry	KMCH and Society

EEE	2012	Net power Enhancement initiatives in Seshasayee paper and boards limited	Paper Industry
	2012	Victim Identification using LabVIEW	Society
	2013	Implementation of SVPWM for 3Phase IM Drive	VI Micro System Pvt.Ltd.
	2013	Radio frequency based device control	Keltron Controls
	2013	Human Fitness Analyzer using LabVIEW	Healthcare professional and Society
	2013	Common wire system	Mobile Industry
	2014	Physiological Health Monitoring and Security Alert System	Keltron Controls / Healthcare Professionals
	2014	Single Axis Control of CNC (Boring Machine) Using 802 DSL Siemens PLC	Machine Tool Industry
	2014	MPPT based photovoltaic system with multilevel boost converter for grid connected system	BHEL, Heavy Engineering Industry
	2014	Smart tanker Robot for surveillance operation	Power Electronics Industry
MECH	2013	Improvements in performance of FIP's in H – series CMO Engines	Automobile Industry
		Study and analysis of welding defects in worn out boiler drum and remedial measures	BHEL, Heavy Engineering Industry
		Design and fabrication of dual cavity runner cutting machine with double fixture	Casting Industry
	2014	Design and fabrication of endless belt slitting machine	Fabrication Unit
		Remedies for damage on bed in laser cutting of sheet metals	Fabrication Unit

3.4.2 Does the institute publish or partner in publication of research journals? If yes, indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database.

Yes, Partnership in publications of proceedings in IEEE - International Conference on Green Computing, Communication and Electrical Engineering (ICGCCCE'14) in which Dr. K.Porkumaran, Principal and Dr V.Kumar Chinnaiyan HoD – EEE were the Editorial Board Members.

Dr. S.Sureshkumar and Dr. S.Mohan were editorial board members in publishing Proceedings of SPRINGER - International Conference on Signals and Image Processing ICSIP'12.

3.4.3 Give details of publications by the faculty and students:

**TABLE 3.10
PUBLICATION BY FACULTY**

S. NO.	FACULTY NAME	DEPARTMENT	NUMBER OF JOURNALS	
			INTERNATIONAL	NATIONAL
1.	Dr. K.Porkumaran	EEE	52	2
2.	Dr. V. Kumar Chinnaiyan	EEE	7	1
3.	Dr. M.Gopinath	EEE	3	-
4.	Dr. S.Sureshkumar	ECE	22	1
5.	Ms. K. Kothavari	ECE	3	-
6.	Ms.K.Gayathri Devi	ECE	2	-
7.	Ms. C.Ellamal	ECE	3	-
8.	Dr. M.Dhivya	ECE	3	-
9.	Ms. V.Priyadharshini	ECE	1	-
10.	Mr. Karthik R	ECE	1	-
11.	Ms. J.Rejina Parvin	ECE	1	-
12.	Mr.R. Karthik, Mr. K.P.Saipradeep Mr. S.Shanmuga Raju	ECE	1	-
13.	Ms. S.Jayanthisree	ECE	1	-
14.	Ms. R.S.Kiruthika	ECE	1	-
15.	Ms. M. Karthika	ECE	2	-
16.	Mr. P.Prabhu	ECE	3	-
17.	Ms. S.Kannan	ECE	1	-
18.	Ms. J.Karpagam	BME	3	2
19.	Ms. K.Thamaraiselvi	CSE	3	1
20.	Dr. S.Mohan	CSE	3	-
21.	Dr. S.V.Sudha	CSE	6	-
22.	Ms.Nagalakshmi Venugopal	CSE	2	-
23.	Mrs.V.Praveena	CSE	1	-
24.	Mr.Daniel	CSE	5	1
25.	Ms.L.R.Sujithra	CSE	1	-
26.	Ms. M.Ambika	CSE	1	-

27.	Mr.A.Dinesh Kumar	CSE	8	-
28.	Ms.R.S.Ramya	CSE	1	-
29.	Ms.A.Suganya	CSE	2	-
30.	Ms. C.Yamini	CSE	1	-
31.	Ms.P.Anitha	CSE	3	-
32.	Ms. C. Vinothini	CSE	1	-
33.	Ms. S.Vanitha	CSE	3	-
34.	Ms.R.Nidhya	CSE	2	-
35.	Ms.R.Saranya	CSE	2	-
36.	Ms. R.S. Ramya	CSE	4	-
37.	Dr. V.Vani	IT	9	4
38.	Ms. S.Santhi	IT	8	1
39.	Mr. T.Vijaya Kumar	IT	-	1
40.	Ms. N.Kiruthika	IT	-	2
41.	Ms. D.Prem Kumar	IT	-	3
42.	Mr. Mani Deepak Choudhry	IT	1	2
43.	Ms. N.Nandhini	IT	1	-
44.	Mr. S.Parandaman	IT	2	-
45.	Mr. D.Shyam Prakash	IT		1
46.	Ms. A.Praveena	IT	7	4
47.	Dr. S.Muthu	MECH	5	1
48.	Dr. C. Selvaraj	MECH	1	-
49.	Dr. D. Devika	MECH	7	-
50.	Dr. K. Ravikumar	MECH	6	-
51.	Mr. S. Kalidas	MECH	5	2
52.	Mr.M.Thirumalaimuthukumar	MECH	1	-
53.	Dr. B.Subramani	MBA	1	2
54.	Dr. S.Mohanavel	MBA	4	1
55.	Ms.R.K.Sudhamathi	MBA	3	2
56.	Mr.Thomas Michael	MBA	1	-
57.	Mr.S. Boopathy	MBA	2	3
58.	Ms. Nemavathy	MBA	1	2
59.	Mr.E.Sivaraman,	MCA	3	-
60.	Dr. F.Mary Magdalene Jane	MCA	4	-
61.	Dr. M.Duraisamy	MCA	5	-
62.	Dr. T.Logeswari	MCA	8	-
63.	Dr. R.Jayabrabu	MCA	3	-
64.	Ms. N.Preethi	MCA	1	-
65.	Ms. Roshna Ravindran	MCA	1	-
66.	Dr. T.Senthil Vadivel	CIVIL	13	-
67.	Ms. Latha K Menon	S & H	2	1
68.	Ms. A.SenthilVadivu	S & H	2	-
69.	Dr. T.Arunkumar	S & H	4	-
70.	Ms. K.S.Thangamani	S & H	1	1
71.	Ms. N. Nalini	S & H	2	-
72.	Dr. K. Girija	S & H	1	-
73.	Ms. R. Jeevitha	S & H	2	-
74.	Ms. A.Thamarai selvi	S & H	1	-

About 20 papers have jointly been published by faculty and students in peer reviewed, H Indexed National and International journals.

8	Dr. S. Suresh Kumar	Proceedings of the Springer - Second International Conference on Advances in Computing and Information Technology (ACITY), 2012 Advances in Intelligent Systems and Computing, vol.176	Efficient Techniques for the Implementation of AES Sub Byte and Mix Column Transformations	Springer	2012
9	Dr. S. Suresh Kumar	Proceedings of the Springer - Fourth International Conference on Signal and Image Processing 2012 (ICSIP 2012) – Volume 2, Springer Series - Lecture Notes in Electrical Engineering vol. 222	Experimental Verification of Squirrel Cage Induction Motor Using Current Signature and Virtual Instrumentation Topology	Springer	2013
DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION					
10	Dr. S. Mohanavel	Book Chapter	Innovative KM Practices for Tamil Nadu Government Sectors	Excel Books 978-81-7446-708-9	2009
11	Dr. Thomas Michael	Book Chapter	Determinants of Consumer Evaluation of Brand Extensions	Mac Milan Research Series 023-033-169-6	2011
DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS					
12	Dr. F.Mary Magdalene Jane	Book Chapter	Mobile Code and Security Issues	Web Services Security and E-Business	2007
13	Dr. F.Mary Magdalene Jane	Book Chapter	Mobile Code and Security Issues	Mobile Computing: Concepts, Methodologies, Tools, and Applications (6 Volumes)	2008
14	Dr. F.Mary Magdalene Jane	Book Chapter	A Cache Replacement Policy for Location Dependent Data in Mobile Environments	Next Generation Data Communication Technologies	2011

3.4.4 Provide details (if any) of :

Research Awards Received By the Faculty

TABLE 3.12
RESEARCH AWARDS RECEIVED BY THE FACULTY

S. NO	YEAR	FACULTY NAME	AWARD
1	2010	Dr. K.Porkumaran	IEEE Certification and Award for Organizing Activities towards the Advancement of IEEE and Engineering Professions
2	2011	Dr. K.Porkumaran	IEEE Certification and Award for Organizing Activities towards the Advancement of IEEE and Engineering Professions
3	2012	Dr. K.Porkumaran	RUNNERS UP of NI YANTRA 2012 and received Rs.50,000.
4	2012	Dr. K.Porkumaran	ICTACT INNOVATOR AWARD 2012
5	2012	Dr. K.Porkumaran	ICT Academy of Tamil Nadu (ICTACT) Best Coordinator Award 2012
6	2012	Dr. K.Porkumaran	Mahindra Satyam Young Engineer Award
7	2012	Dr. K.Porkumaran	IEEE Certification and Award for Organizing Activities towards the Advancement of IEEE and Engineering Professions
8	2012	Mr. D.Shyam Prakash	Selected as one among the best papers of NCFCSCT 2013 for including in International Journal of Scientific and Engineering Research, Volume 4, Issue 5, May 2013
9	2012	Dr. V.Vani	Best Paper Award in 4th International Conference on Signal and Image Processing ICSIP' 12
10	2013	Dr. K.Porkumaran	ICTACT INNOVATOR AWARD 2013
11	2013	Dr. K.Porkumaran	ICT Academy of Tamil Nadu (ICTACT) Best Coordinator Award 2013
12	2013	Ms. A.Praveena	Selected as one among the best papers of NCFCSCT 2013 for including in International Journal of Scientific and Engineering Research, Volume 4, Issue 5, May 2013
13	2014	Ms.R.Santhiya	Best Paper Award in ICGCCEE 14
14	2014	Ms.G.Hemalatha	Best Paper Award in ICGCCEE 14
15	2014	Ms.K.Kothavari	Received 750 US Dollars for the Project titled " Efficient Wireless Data Transfer For Real Time Greenhouse Management Using IEEE 802.15.4.Zigbee Protocol"

3.5 CONSULTANCY

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

The institute has an Industry-Institute Partnership Cell (IIPC) and The Training and Placement Cell, which aims in developing close links between industries and the institute through interaction programmes.

The IIPC has interface with companies. It encourages and makes arrangements for industrial trainings, internship programmes and industrial visits. It facilitates signing of MoU with leading industrial organizations (Refer Table 3.15). Invited persons from reputed industries participate in various events like guest lectures, seminars, symposiums and workshops organized in the institute and share their ideas about latest trends in industries.

The Training and Placement Cell communicates with the industries and invites them to conduct placement and training programmes in the institute. It acts as a bridge between students and the industries by taking the students to job fairs, on and off -campus placements. It also arranges soft skill training programmes to the students as per industrial requirements.

Value added training programmes are organized by the departments of the institute in collaboration with companies for the benefit of students. All the departments of the institute are equipped with necessary hardware and software facilities and Centres of Excellence to carry out consultancy activities.

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

POLICY

The institute encourages any form of computing, engineering and managerial consultancy services that would have industrial and social relevance by utilizing its available expertise and facilities under following guidelines:

The staff are encouraged to take up any consultancy work after approval by the Principal. The progress of the work is periodically reviewed by the concerned HoD and the Principal. The income generated from the consultancy work is shared among the concerned staff members and the institution. The available expertise is advocated and publicized through the institute website, brochures, and banners at exhibitions and through mails.

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

- The staff are encouraged to utilize the major and specialized computing, industry-powered laboratory, information resources and other infrastructure facilities of the Institute for consultancy work
- The Institute encourages the staff to motivate and guide the students to take up industrial projects in the areas of consultancy work as a part of their curriculum
- The Institute and the departments organize industrial training and value added training programmes in specific areas to create awareness of the latest trends and encourage the staff for consultancy services
- Institute deputed staff members for industrial training, which opens an avenue for consultancy work
- The Institute encourages the staff to share their knowledge and experience with sister concerns, MoU linked companies and other industries as and when the opportunity arises and when requests are received from various organizations for consultancy services
- The Institute offers the following privileges to the staff who undertake any consultancy work
 - Balanced academic work load
 - Utilizing computing, laboratory, library, Internet and transport facilities of the institute and its sister concerns
 - Granting leave on-duty
 - Administrative / Secretarial Assistance
 - Sharing the revenue.

3.5.4. List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

The Institution has committed itself to the service of the society and as an act of good will measure, all major consultancy activities are provided at free of cost. A list of consultancy activities provided by the institution are tabulated below

TABLE 3.13**CONSULTANCY SERVICES OFFERED**

S. NO	DETAILS OF CONSULTANCY	BENEFICIARY	PERIOD	DEPARTMENT	RESOURCE PERSONS
1.	Interfacing Project for Elecsys 2010	KMCH, Coimbatore	2009	IT	Mrs.S.Santhi
2.	A Study on Pre Authorization and Claim Services Provided by Insurance Companies in Select Hospitals	AOSTA Software Technologies India Ltd., Coimbatore	2009	MBA	Dr. B.Subramani, Dr. S.Mohanavel and Ms.Niranchana
3.	Uninor Brand Promotional Activity	E2E Exite Marketing and Training Services India Pvt.Ltd., Coimbatore	2010	MBA	Dr. B.Subramani and Mr.S.Boopathy
4.	Max Retail Brand Promotional Activity	E2E Exite Marketing and Training Services India Pvt.Ltd., Coimbatore	2010	MBA	Dr. B.Subramani and Mr.S.Boopathy
5.	Interfacing Project for ABL 555, Axsym, Evolis Machines	KMCH, Coimbatore	2011	IT	Mrs.S.Santhi
6.	Vodafone Employee Health Survey	E2E Exite Marketing and Training Services India Pvt.Ltd., Coimbatore	2011	MBA	Dr. B.Subramani and Mr.S.Boopathy
7.	A Study for Service Improvement in the Airport	Airports Authority of India Coimbatore	2012	MBA	Dr. B.Subramani, Mr.K.Lakshminarayan and Dr. S.Mohanavel
8.	Telemedicine for Remote Healthcare centre	KMCH, Coimbatore	2013	IT	Mrs.S.Santhi
9.	Wireless Vital Monitoring Device	KMCH, Coimbatore	2014	IT	Mrs.S.Santhi

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

The income generated through consultancy will be shared by the staff and the institution in the ratio 60 : 40. The share of the institution will be utilized to develop laboratory and infrastructure facilities to provide more consultancy services.

3.6. INSTITUTIONAL SOCIAL RESPONSIBILITY (ISR) AND EXTENSION ACTIVITIES

3.6.1 How does the institution promote institution-neighborhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

The institution provides a platform to build an institution-neighborhood network by working in association with Non-Government Organizations like 'Vidhaipom'. Abiding by the Mission of the Institution, academic activities apart, students are engaged in various social activities like Health Awareness Camps, Rally on Anti-Illicit Liquor Awareness, Voters Awareness, etc. The Students are motivated and encouraged to develop an optimistic attitude towards the under privileged and specially challenged people.

3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

Students are made aware of various clubs established in the institution (listed below). The roles and responsibilities in the effective functioning of these clubs, methods of execution of activities, and other protocol is highlighted to them. List of Clubs established at the Institution

- National Service Scheme (NSS)
- Youth Red Cross (YRC)
- Red Ribbon Club (RRC)
- Blood Donation Club
- Renewable Energy Club
- Environment Awareness Cell
- Rotary Club
- Women Development Cell and IEEE – Women in Engineering (WIE)
- Consumer Club.

Students register themselves in the clubs on their own interest and their active participation educates them on community integration.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

The Institution conducts Parent Teachers Association and Alumni meets to collect a feedback from which the strengths and challenges are understood. Suggestions and Opinions are solicited from Guest Speakers, Industry representatives, Trainers of various Value Added Training Programme and Recruiters.

3.6.4 How does the institution plan and organize its extension and outreach programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

The Institution organizes various social activities periodically through the departments. The organizers obtain their logistic support for the conduct of the activities as per the requirement. The office bearers are elected, a year planner scheduled and guidelines given by the Staff Coordinator.

TABLE 3.14

EXTENSION ACTIVITY AND SOCIAL RESPONSIBILITY

S.NO.	DATE	BENEFICIARY	EXTENSION ACTIVITY	OUTCOME
1.	12.02.2010 13.02.2010	School students – Kalapatti	Spectronic – 2010 Technical competitions for school students	Provided a platform to showcase special talents
2.	29.08.2011	Dr. NGP College of Arts and Science	Health Education and preventive measure for Women	Health of women not to be taken for granted
3.	19.09.2011	NGP Institutions	An awareness programme on Dental Hygiene	Awareness on Oral Hygiene a “must”
4.	01.06.2012	The United Orphanage for the Disabled, Coimbatore	Interaction with the Orphanage people and handing over of Rs.1500/- for a one day’s meal	The joy of giving - realized
5.	20.01.2012	Government High school, Kalapatti	Computer Awareness Programme in association with CSI student Chapter	Use of computer and its various applications for day to day life.
6.	21.6.2012	The United Orphanage for the Disabled	Organized events for differently abled children.	Encouraged them to look beyond limitations.

7.	21.09.2012	Govt Hr. Sec School, Kalapatti	One day camp of "IEEE and WIE" Blood grouping camp	Awareness among students on importance of blood donation
8.	01.09.2013	Corner Stone Home, Coimbatore	Provided stationery materials	Donated stationery materials to the ashram people
9.	16.02.2013	Universal Peace Foundation – Orphanage	Computer Awareness Programme in association with CSI student Chapter– for students of class VI to IX	Useful tips on usage of MS-Word, Excel, IE and Power Point
10.	03.03.2013	Universal Peace Foundation, Coimbatore	Provided Lunch, gifts and conducted games	A little time from students' life sacrificed for another – makes a beautiful world
11.	3.12.2013	"AWARTD"- Association for Women welfare and Rural Tribal Development Trust, Thudiyalur, Coimbatore-34.	"WORLD DISABLED DAY" Celebrations @ AWARTD TRUST, Thudiyalur.	Extended support to the physically and mentally challenged.
12.	29.04.2013	Universal Peace Foundation	Computer Awareness and Sports Events	Created awareness on computer usage
13.	19.05.2013	Thaai Anbalayam – orphanage	Cultural activity	Donated funds to purchase uniforms and school bags. Sponsored one day's lunch
14.	06.10.2013	Ghandhi Managar Govt.High School in association with vidhaipom	Cultutral activity and gaming events	Sponsored funds for one day's lunch and also for annual school fees
15.	15.08.2013	Govt. High School, Narasipuram	Independence Day Celebrations	Independence day celebrated with school students- India's future
16.	19.07.2013 to 17.08.2013	Public	Blood Donation	Saving a life by timely donation of blood
17.	25.08.2013	Corner Stone Home, Coimbatore	Provided food materials	Remembering the homeless

18.	21.09.2013	The NGP School, Coimbatore	Classes taken on Power of Internet and its Applications for NGP School Children's Parents	Dual benefit enjoyed both by Parents and students.
19.	27.10.2013	Corner Stone Home, Coimbatore	Lunch Sponsored	Spreading happiness around
20.	01.03.2014	Public-Siruvani Forest Area	Health and Environment Awareness camp for tribal people	Awareness about health and environment
21.	02.04.2014	Public-Ambedkar Nagar	Health Awareness Program	Awareness on how to prevent spread of contagious diseases.
22.	02.04.2014	Veeriyampalayam Panchayat	"Pluck and Cook" from your doorstep. Sapling distribution.	Social Awareness on Kitchen Gardening
23.	13.02.2014	Veeriyampalayam Panchayat	The Importance of Voting	Awareness on the importance of Voting
24.	16.02.2014	Prabanj Amaithi Ashramam, Karumathampatt	Visit to Orphanage and provided lunch, stationery items to orphan children.	Awareness on the Joy of Giving
25.	20.02.2014	Govt. Hr. Sec. School Anupparpalayam, Tirupur	Social Awareness programme on "Teens and sexual Harassment ; making a difference"	Better awareness on Sexual harassment, teen problems – the courage to speak up
26.	03.03.2014	Aravanaikkum Anbu Illam, Coimbatore.	Visit to orphanage and provided lunch.	Created social awareness and a sense of having done something
27.	14.03.2014	Vazhiyampalayam Village	Awareness on First Aid	Awareness on how to administer First Aid in a critical situation
28.	21.03.2014	N.G.P. Students	EM-I treatment process (Effective micro organism)	Replacement of beneficial micro organism in waste water dumping pond of Dr. N.G.P campus.
29.	04.04.2014	Panchayat Union Middle School, Nehru Nagar	Preparation of natural manure from kitchen vegetable waste.	Knowledge gained on recycling vegetable waste

30.	04.04.2014	Panchayat Union, Middle School, Nehru Nagar	Technical skills development	Awareness on day to day life maintenance
31.	15.04.2014	Veeriampalayam, Coimbatore	Voters Awareness Programme	Awareness on importance of voting
32.	15.04.2014	Kings Kid Home, Ondipudur, Coimbatore	The amount given to the orphanage used for the purchase of uniforms and school bags and for their one day's dinner	Created awareness among students on the need to help under privileged and specially challenged people
33.	16.04.2014	St. Thomas Home, Ramanathapuram, Coimbatore	Food sponsored for a day's meal. Cultural activities conducted.	Created awareness among students on the need to help elderly and specially challenged people
34.	07.01.2014	Public	Fund Donation of Rs.25,164/-	Aid extended in medical treatment at KMCH
35.	07.03.2014	Orphanages	"JOY OF GIVING"	Brighten a face with a smile- practice giving and sharing
36.	07.04.2014	Kalapatti, Coimbatore	Energy conservation awareness programme	Created awareness on Energy conservation and its importance to public
37.	08.04.2014	Universal Peace Foundation, Annur, Coimbatore	Interaction with Orphanage children	Financial aid to needy students Stationery issued and one day's food sponsored
38.	09.02.2014	Government Orphanage Home, Coimbatore.	Visit to Orphanage, Provided lunch for the inmates and fun activities for the people in the orphanage.	Social awareness on the need to spread happiness among the less privileged.
39.	09.03.2014	Sevashram Trust, R.S. Puram, Coimbatore	Visit to orphanage provided books, bags for the inmates, conducted fun activities	Social awareness created to develop empathy with the needy
40.	09.04.2014	General Public	Anti-Illicit Liquor Awareness Rally	Awareness on the ill effects caused by intake of liquor

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

The Management and the Principal address social issues at meetings and urge the students and faculty to actively involve themselves in extension activities. Awareness Days dedicated to particular issues are usually observed by the institution. Students of first year have to compulsorily choose to be a member of some club, National or International agency and be actively involved in the activities of the club through their four year course.

3.6.6 Give detail on social surveys, research or extension work (If any) undertaking by college to ensure social justice and empower students from underprivileged and vulnerable sections of society?

The Women's Development Cell and IEEE – WIE conducted a social survey at Gandhi Centenary Memorial Middle School, Singanallur, Coimbatore, on the "Young Girl Child" wherein a questionnaire was distributed to create awareness and empower her from possible threats to her gender. The grey areas collected from the feedback study were referred to a gynecologist. Arrangements are being made for remedial help. An interactive discussion was arranged with women students of NGP Institutions and the neighborhood on Cancer Awareness, Pre - Marital Guidance for Women, Vaccination Awareness and Sex Education.

3.6.7 Reflecting on the objectives and expected outcomes of the extension activities organized by the institution, comment on how they implement student's academic learning experience and specify the values and skills inculcated.

The faculty and students are involved in extension activities to take them closer to the community in which they live. Their interactions with the less privileged, creates greater awareness among the students. A sense of accountability and responsibility to their immediate society and to the nation at large, grows in them. The group activities help to forge friendships, encourage team work, and promote decision making skills.

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiative of the institution that encourages community participation in its activities?

Getting to know one's neighborhood is in itself an awareness of their needs. World Diabetics Day was an opportunity to help people realize that health care is an important issue. Brochures were distributed to the

neighborhood Kalapatti people. A voting right awareness campaign for women was also conducted in the neighborhood village. A first aid camp organized jointly with KMCH college of Nursing at Vazhiyapalayam was well received and attended by elderly people.

3.6.9 Give details on the constructive relationship forged (if any) with other institutions of the locality for working on the various outreach and extension activities?

The Women in Engineering Affinity Group of Dr. NGPIT and IEEE Student Chapter, in association with KMCH conducted an awareness programme on Dental Hygiene. The Womens Development Cell participated in a blood donation camp organized by CWIN. Awareness on first aid was conducted by the institution in collaboration with KMCH College of Nursing. The institution in association with The Tamil Nadu Agriculture University, organized an awareness programme to propagate some tips and benefits on Kitchen Gardening, for the villagers of Veeriyampalayam and free saplings were also distributed.

3.6.10 Give details of awards received by the institution for extension activities and /contribution to the social /community development during the last four years.

The institution has not received any awards for extension activities.

3.7 COLLABORATIONS

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.

The Institute collaborates with MoU partners, KMCH, AOSTA for resource and expertise sharing. The Department of Radiology at KMCH has been guiding staff and students to tap resources for their research work on Image Processing. The Research Scholars from other institutions registered under the faculty of Dr. NGP IT, use resources available at the institution.

3.7.2 Provide details on the MoUs / collaborative arrangements (if any) with institutions of national importance/other universities/ industries / Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

The Institute has signed MoUs with several industries and Institutes of repute. Faculty and students benefit from these MoU's as they are being exposed to enriched knowledge and real time experiences.

**TABLE 3.15
DETAILS of MoU**

S.No.	YEAR	INDUSTRY
1.	2010	HCL Infosystems Ltd
2.		Oracle Corporation
3.		BSNL
4.		IBM India Private Limited
5.	2011	Teknotruf Info Services Pvt. Ltd
6.		CADD Centre
7.		SIEMENS Limited
8.		Numeric Power Systems Ltd
9.		CISCO Systems (India) Pvt Ltd
10.		NI Systems (India) Pvt Ltd
11.		Focus Academy for Career Enhancement (FACE)
12.		UMS Technologies Training Centre
13.	2012	ThinkLABS Technosolutions Pvt Ltd
14.		IBM India Private Limited
15.		Innovent Engineering Solutions Pvt Ltd
16.		Dexler Information Solutions Pvt Ltd
17.	2013	C Cube Technologies
18.		IBM India Private Limited
19.		Trident Techlabs Pvt Ltd
20.	2014	Texas Instruments (India) Pvt Ltd
21.		The Chennai Silks
22.		Coimbatore Industrial Infrastructure Association (COINDIA)
23.		The Coimbatore District Small Industries Association (CODISSIA)

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation / up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.

- Assist in setting up industry powered laboratories
- Assist students in International Certification
- The Industry MoU partners offer training on the latest tools used in the industry
- Faculty have become Certified Trainers (ORACLE,CISCO)
- Faculty development programs organized
- Knowledge Partners for Conferences.

3.7.4 Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

The Institute has organized conferences funded by external agencies and supported by the Management. Scientists from reputed research organizations have addressed the technical sessions details, details of which are exemplified in section 3.1.7.

- CSIR Sponsored National Conference on Technological Advancements in Data Mining (MCA, 2010)
- National Conference on “ Multimedia Signal Processing and Networking” (MCA,2010)
- International conference on Signals and Image Processing ICSIP’12 (ECE,CSE,IT – 2012)
- National Conference on New Nano Composite Coatings for Tribological Applications NNCCTA’14 (Mechanical, 2014)
- IEEE International Conference on Green Computing, Communication and Electrical Engineering- ICGCCEE’14 (EEE, 2014).

3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated:

The IIPC Cell works towards creating linkage between the industry and institution. Many linkages have resulted in formal MoUs.

- Curriculum Development/Enrichment - Value added courses are being offered through the MoUs to enrich the curriculum prescribed by the University
- Students are provided with internships and gain factory visits
- Faculty Exchange/ Professional Development - Details given in section 3.7.2
- Students and faculty have used the resources of the industry powered labs and won awards for their projects. Details exemplified in section 5.1.4.

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages / collaborations.

The IIPC and individual departments study possible linkages and present to the Principal and Management. An analysis is made on the scope of the linkages. The factors like support for curriculum enrichment, internships, placements, faculty empowerment, and resource up gradation are considered.

CRITERION - IV

INFRASTRUCTURE
AND
LEARNING RESOURCES

CRITERION - IV

INFRASTRUCTURE AND LEARNING RESOURCES

4.1.1 What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?

Policy

The institutional policy pertaining to creation and enhancement of sustainable infrastructural facilities is a prime mover that supplements the teaching learning process. Design and deployment of plans that project and envision future developments transforms the NGP campus from time to time in keeping with standards of excellence.

The Planning Process

The infrastructural requirements are made known by the department heads to the Principal each year. The Principal presents the proposal for the new courses applied and facilities needed. The governing council takes decisions on the proposal and the infrastructural developments keeping in view both the long term and short term requirements.

- Facilities for technology enabled teaching like Wi-Fi enabled campus, high-speed internet connections, state-of-the-art Audio Visual rooms, laboratories, Centre for E-learning and digital library have been established.
- Industry powered laboratories have been set up for skill development programmes
- Power houses with facilities for uninterrupted power supply is provided
- A multi-storeyed building with hi-tech facilities ranging from smart class rooms, laboratories and centralized digital library is being constructed.

4.1.2 Detail the facilities available for

- a) **Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.**

- b) **Extra-curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.**

The institution provides holistic technical education which involves students' participation in both curricular and co-curricular activities for which adequate infrastructure is available. The details are tabled below.

TABLE 4.1 (a)

INFRASTRUCTURE FACILITIES FOR CURRICULAR AND CO-CURRICULAR ACTIVITIES

S. NO.	FACILITY	NUMBER	AREA (IN SQ. MTS)
1	Classrooms	61	5111.23
2	Library and Reading Room	1	825
3	Electron Devices and Simulation Lab	1	171.5
4	IC Lab	1	208
5	Communication Lab	1	208
6	VLSI Lab	1	115
7	DSP Lab	1	115
8	Embedded System Lab	1	115
9	Microprocessor and Microcontroller Lab	1	143.81
10	Electric Circuit and Electron Devices Lab	1	143.81
11	Power Electronics and EP Lab	1	143.81
12	Control System and Digital Electronics and LIC Lab	1	143.81
13	MI Lab and Power Simulation and Electric Drives and control Lab	1	208
14	Electrical Machines Lab	1	562.3
15	Engineering Practice Lab	1	334.85
16	Manufacturing Technology Lab	1	390.35
17	Thermal Lab	1	456
18	CAM Lab	1	92

19	CAD Lab	1	135
20	Dynamics Lab	1	135
21	Mechatronics Lab	1	107
22	Soil Mechanics Lab	1	92
23	Environmental Engineering	1	107.82
24	Fluid Mechanics Lab	1	197.27
25	Strength of Materials Lab	1	179.27
26	Concrete and Highway	1	133.41
27	Survey Lab	1	74.35
28	Diagnostic and Therapeutic Lab	1	84.170
29	Biomedical Instrumentation Lab	1	115.79
30	Audio-Visual Room	1	201.9
31	Seminar Hall	4	1008.72
32	Exam Cell	1	86.89
33	Principal's Office and Visitors' Lounge	1	73
34	Reception area	1	115
35	Administrator's Office	1	56.5
36	Rooms for Faculty	18	791.14
37	Panel Room / Board Room	2	52.66
38	Administration Office	1	258
39	Rest Rooms	26	15563
40	G -Mart	1	26.38
41	Visitors' Lounge	3	72.6
42	Parking Area	3	458
43	Dining- students/faculty	2	212.12
44	Store room	1	126.67
45	IBM Lab	1	115.79
46	PG Lab	1	84.170

47	Programming lab -I	1	208.27
48	Programming lab –II	1	202.61
49	MBA Lab	1	173.64
50	MCA Lab	1	208.27
51	Language Lab	1	160
52	NI Lab	1	137.78
53	CISCO Lab	1	188.72
54	Texas Lab	1	137.78
55	Research and Development Cell	1	56.57
56	Strong Room / Records	1	21.23
57	Photo Gallery	1	268.56
58	IQAC	1	13.542
59	The Training and Placement Cell	1	80.7

TABLE – 4.1 (b)
INFRASTRUCTURE FOR EXTRA CURRICULAR ACTIVITIES

S. NO.	FACILITY	NUMBER	AREA (IN SQ. MTS)
1	Open Air Theatre (Quadrangle)	1	1449
2	Auditorium	1	910
3	Seminar Hall Cum Audio-visual Room	1	208
4	Tamil Mandram/Tamil Panpatu Maiyam	1	13.54
5	Physical Director's Room	2	26.756
6	Guest House	3	80.47
7	NSS / RRC / YRC	1	25.825
8	Music/ Dramatic Club	1	53.50
9	Yoga/Women's Cell	1	101.11
10	EDC/IPR	1	53.50
11	Medicare Centre	1	25.615
12	Canteen and Lunch Area	1+1	567.90
13	Coffee Shop	1	67.75
14	Gymnasium	1	188

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution/ campus and indicate the existing physical infrastructure and the future planned expansions if any).

The Trust with its labyrinthine infrastructure on all its campuses plans ahead to ensure that the available facilities are optimally used. Since its inception in 2007, the institution has upgraded its infrastructural facilities over and above the AICTE and Anna University norms, to meet the requirements of the courses offered and also those of the value added on popular demand. Exclusive Industry powered labs have been set up with the support of the management to explore new vistas of knowledge.

Optimal utilization of the infrastructure is done by accommodating the following:

- Value added courses
- Conduct of examinations by government and NGOs
- Remedial classes
- Industry projects
- Play Grounds used by sports clubs
- Infrastructure
- Other sister institutions avail the auditorium, etc.

Details of the Amount Spent on Building construction for the past 4 years is given below :

DESCRIPTION	2009-10	2010-11	2011-12	2012-13
Building	20229226.00	26847183.00	11884787.00	67239681.00

MASTER PLAN OF THE INSTITUTION/ CAMPUS INDICATE THE EXISTING PHYSICAL INFRASTRUCTURE



Future Extensions: The Construction Work of 'F Block' has commenced

TABLE – 4.2

PROPOSED BUILDING - FLOOR WISE ALLOTMENT

S.NO.	FLOOR	AREA (IN SQ. MTS)	OCCUPANCY
1	Basement	44900	Library and Information Center
2	Ground Floor	20200	Science and Humanities
3	First Floor	23500	CSE
4	Second Floor	23500	IT
5	Third Floor	23300	PG Departments
6	Fourth Floor	28000	

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

The institution has created facilities for students who are differently abled by providing the following

- Ramp at main block entrances
- Elevators
- Wheel chairs
- Disabled friendly rest rooms

4.1.5 Give details on the residential facility and various provisions available within them:

Separate hostel facility is available for male and female students. Men hostels are on the campus while the womens' hostels are in the vicinity.

- Boys Hostel
 - ✓ Number of rooms: 88
 - ✓ Carpet area of each room: 25 sq.m
 - ✓ Room capacity: To accommodate 4 members
 - ✓ Total hostel capacity available for boys: 351
- Girls Hostel
 - ✓ Number of rooms: 85
 - ✓ Carpet area of each room: 25 sq.m.
 - ✓ Room capacity: To accommodate 4 members
 - ✓ Total hostel capacity available for girls: 340
- Medical Facility
 - ✓ KMCH run by the Trust with students' concessions
 - ✓ Ambulance facility for medical emergencies

The recreational aspect at the hostels is taken care of by providing a recreation room with Magazines for light reading and Television. Internet and Wi-Fi facility facilities are provided with access points at common areas. Residential facility is provided for faculty who are single.

Round the clock security is taken care of.

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

The Trust runs the Kovai Medical Center and Hospital (KMCH), a 850-bed Multi-disciplinary advanced Super Specialty hospital located 2 km from the institution. The hospital offers total and comprehensive health solutions for various ailments. Students and faculty have availed medical aid at concessional rates. The students are inducted into an accident insurance policy at the time of admission. Free Ambulance facility from KMCH is also available during emergencies. First aid kits are available in all departments, sick rooms and college bus.

4.1.7 Give details of the Common Facilities available on the campus – spaces for special units like IQAC, Grievance Redressal unit, Women’s Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

The institution has provided facilities for all the above mentioned units. A professional counselor from the Kovai Medical Centre and Hospitals counsels the students. Guidance on career, higher education and entrepreneurship is provided by the Training and Placement Cell, Higher education cell and Entrepreneurship Development Cell respectively.

4.2 LIBRARY AS A LEARNING RESOURCE

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student / user friendly?

The library has an Advisory committee comprising the Principal, Heads of all departments and the librarian. The Committee meets once in three months to review the library activities, discuss and make recommendations.

The library committee’s discussions pertain to the following areas:

- Assesses the need for titles and number of copies based on programme requirements, staff and student strength and provides suggestions to the management
- Offers suggestions to optimize the usage of library resources
- Monitor the Rules and Regulations of the library management and utilization of the library by students and staff

- Suggests infrastructural expansion and library furniture requirements
- Builds networks with other learning resources and contributes to teaching-learning enhancement
- Monitoring the allocation of funds for the Books, Journals etc.
- Analyze the feedback collected from the users and implement the needed requirements
- Upgradation of the digital library with the technological enhancement
- Strengthening the department library facility by inclusion of new books
- The first year students are initiated into library protocols.

4.2.2 Provide details of the following

Total Area of the Library	:	825 Sq.m.
Total Seating Capacity	:	250
Library Timings	:	8:00 AM – 8:00 PM (All Working Days and Before Exams) 9:00 AM – 5:00 PM (Second and Fourth Saturdays) 9:00 AM – 5:00 PM (During Exams and Vacation Period)

The library is closed on Sundays and on all State and Central Government declared holidays.

Access to the Premises

- Prominent display board to locate the library in the ground floor of A Block
- Clearly laid out floor plan
- Adequate Sign boards such as Entry, Property Counter, E-Gate Register, Circulation Counter, OPAC, Periodical Section, Book Section, Project Report Section, Back Volumes Section, Digital Library, Statistics Board, Notice Board and Exit
- Fire Extinguishers fixed in prominent locations of the library and instruction of using the same also displayed
- CCTV cameras are fixed in prominent locations in the library .

Layout of the library

The Library is divided into the following sections for effective use of the students and staff members

- UG / PG Book section
- MBA / MCA Book Section
- Reference Section
- Periodical Section
- Back volumes and Project Reports Section
- Reading Area
- Digital Library.



4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

- The Library has to purchase the text and reference books as per the Anna University syllabus and other industry related books, Motivational books and books related to competitive exams
- Book Fair is conducted every year. HoDs' shortlist and recommend new titles
- New releases are also bought directly through online sellers like flipkart etc.
- Committee ensures the availability of text and reference books before the commencement of the semester
- The Library subscribes to the national print journals and online journals as per the AICTE / Anna University Norms .

Print Materials

▪ Books	-	29684
▪ Printed Journals	-	113
▪ Magazines and Newspapers	-	30
▪ Back Volumes	-	1033
▪ Project Reports	-	1066

Non-Print Materials

▪ CD/DVD	-	2856
▪ e-journals	-	1064
▪ e-books	-	2135

The following table provides details of the amount spent on procuring library resources during the last four years.

TABLE 4.3
AMOUNT SPENT ON PROCURING LIBRARY RESOURCES

LIBRARY HOLDINGS	2010-11		2011-12		2012-13		2013-14	
	NO.	TOTAL COST (IN LAKH)	NO.	TOTAL COST (IN LAKH)	NO.	TOTAL COST (IN LAKH)	NO.	TOTAL COST (IN LAKH)
Text Books	3237	12.20	3331	13.67	3102	12.72	3158	14.67
Reference Books	441	1.94	161	0.83	233	1.10	417	5.25
Journals / Periodicals	179	2.08	88	1.00	136	2.63	133	2.30
E-resources	4	1.57	11	14.24	11	15.76	8	16.31

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection.

To make access to reading resources, a pleasurable activity and experience, the following technology tools are used.

- **OPAC (Online Public Access Catalogue)**

The database of library books, Journals, Back Volumes, Project Reports and materials like CD's, DVD's are available on OPAC for bibliographical search .

- **Electronics Resource Management package for e-journals**

The Library has subscribed the following list of e-journal packages.

- ✓ IEEE All Society Periodical Package
- ✓ Elsevier Science Direct
- ✓ McGraw-hill Access Engineering
- ✓ ASME (American Society of Mechanical Engineers)
- ✓ ASCE (American Society of Civil Engineers)
- ✓ ASTM Digital Library
- ✓ EBSCO Database
- ✓ DELNET Database.

- **Federated Searching tools to search articles in multiple databases**

KNIMBUS and DELNET facility is available to search articles in multiple databases.

- **Library Website**

The institute website maintains a separate link for the library.

- **In-house/remote access to e-publications**
The Library subscribes to E-journal packages which can be accessed over the intranet. Students and staff also utilize the facility through Wi-Fi network.
- **Library Automation**
Library Management System is heading towards complete integration of the following activities.
 - ✓ Accession of Books, Periodicals, Back Volumes, Project Reports, CDs and DVDs
 - ✓ Members Entry, Book Issue and Return process are automated and bar codes used.
 - ✓ OPAC facility for bibliographical search of books and all reading materials in the library
 - ✓ Stock Verification and Auditing of books.
- **Total Number of computers for public access**
80 computers are provided for public access.
- **Total Number of printers for public access**
An advanced Reprography cum printer is available.
- **Internet Band Width**
14 Mbps internet leased line with 1:1 ratio is available.
- **Content Management System for E-learning**
National Programme on Technology Enhanced Learning (NPTEL) A joint initiative of the IITs and IISc is available. It contains videos and web materials delivered by senior academicians. Educational CDs and DVDs are available.
- **Resource Sharing Networks / Consortia**
The institution is a member of DELNET (Developing Library Network).

4.2.5 Provide details on the following items:

▪ Average No. of Walk-ins	-	400 / day
▪ Average Number of Books Issued / Returned	-	180 / day
▪ Ratio of library books to students enrolled	-	1:13
▪ Average numbers of books added during last three years	-	10872
▪ Average number of login to OPAC	-	50 / day
▪ Average number of login e-resources	-	150 / day
▪ Average number of e-resources downloaded/ printed-	-	175 / day

4.2.6 Give details of the specialized services provided by the library

- **Reference**

A very good collection of reference books, Projects and Industry Manuals are available. A collection of books for competitive exams like MAT, CAT, GATE, GRE and TOEFL etc. are available. Library has question banks, case studies and University question papers for students and staff reference.

- **Reprography**

A photocopier machine is available.

- **Information Deployment and Notification**

Information is provided through notice board displays, personal interaction, e-mail, circular etc. Sample question papers are available on the web portal.

- **Download**

The students and staff can download articles from the library or access through the intranet.

- **Printing**

Advanced Reprography cum printer is available.

- **Reading List / Bibliography Compilation**

Provision available for Reading List and Bibliography compilation .

- **In-house/remote access to e-publications**

All e-journal packages are provided IP based access. Students access from Digital Library, internet lab and departments.

- **User Orientation and Awareness**

- ✓ Orientation is given for the freshers
- ✓ The librarian plays a key role in explaining facilities and its usage
- ✓ Details pertaining to E-journal access are displayed on notice boards.

- **Assistance in searching databases**

Qualified library assistants are assigned to support both students and staff to locate books manually and through OPAC (Online Public Access Catalogue).

- **INFLIBNET / IUC facilities**

DELNET (Developing Library Network) facility is available.

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

- Library staff assist book issue, book return, Library Entry and OPAC search for using the library management system
- Library staff organize a book fair every year. Students and staff directly purchase at discounted rates. Staff members also select books from the new arrivals for main and department library
- The Library functions till 8 PM for effective utilization
- Library is also open on holidays like Saturdays
- Library assistants help students to locate the Books, Journals and Project Reports
- Reprographic and printing facilities are available
- Newspaper clippings on education, science and technology, sports, competitive exams, placement details are displayed on the notice board
- Displays of events conducted at other institutes
- The library orientation program is organized
- Best library user award is instituted
- Alumni avail books on special request
- Library staff maintain the hard copy of end semester examination question papers and a soft copy is uploaded on the web portal.

4.2.8 What are the special facilities offered by the library to the visually / physically challenged persons? Give details.

The Institute has no enrolment of visually/physically challenged persons.

4.2.9 Does the library get the feedback from its users? If yes, how is it analysed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analysed and used for further improvement of the library services?)

Feedback is obtained annually on a questionnaire from the faculty and students. The feedback is tabled and presented to the library committee for amendment.

Following are the parameters used by library to collect the feedback:

- Availability of latest books
- Availability of journals
- Library timings
- Book issue and return process
- Easy retrievability of books and journals
- Response to enquiry
- Infrastructure
- Working environment
- Suggestions for improvement.

Few suggestions were recommended and implemented

- Library timings are extended beyond the college hours
- Number of books issued to the students is increased
- The books return time is extended
- Additional GATE and aptitude books are purchased
- Suitable reference books and journals are added
- Light reading to develop language skills and the reading habit for the first years.

4.3 IT INFRASTRUCTURE

4.3.1. Give details on the computing facility available (hardware and software) at the institution.

- Number of computers with Configuration (provide actual number with exact Configuration of each available system)

**TABLE 4.4
COMPUTING FACILITY**

S.No	CONFIGURATION	NO. OF SYSTEMS
1	HCL Intel Core2 CPU /512MB RAM / 80GB Hard Disk /HCL Keyboard /HCL Optical Mouse / HCL 15” LCD Monitor	100
2	HCL Intel Core2 CPU/1GB RAM(DDR2)/80GB Hard Disk/HCL Keyboard /HCL Optical Mouse / HCL 15” LCD Monitor	100

3	HCL Intel Core2 CPU/1GB RAM(DDR2)/ 80GB Hard Disk/52X CD ROM/HCL Keyboard/HCL Optical Mouse / HCL 15” LCD Monitor	60
4	HCL Intel Core2 CPU/1GB RAM(DDR2)/80GB Hard Disk/HCL KEYBOARD /HCL Optical Mouse / HCL 15' LCD Monitor	110
5	HCL Intel Core2 CPU/1GB RAM/80GB Hard Disk/HCL KEYBOARD /HCL Optical Mouse/ HCL 17” Wide LCD Monitor	100
6	HCL Intel Core QUAD CPU/1GB RAM / 160GB Hard Disk /HCL Keyboard/HCL Optical Mouse / HCL 17' Wide LCD Monitor	90
7	ZENITH Intel Core 2DUO/1 GB DDR2-SDRAM/160GB SATA Hard Disk/ Keyboard/ Optical Mouse / 18.5” TFT Wide Monitor	50
8	HP Intel Core 2DUO CPU/1GB RAM/ 160GB Hard Disk/ Optical Mouse/ Keyboard /HP 18.5” TFT Monitor.	40
9	HCL /Intel Core QUAD/1GB DDR3 RAM / 160GB Hard Disk /HCL Keyboard /HCL optical Mouse / HCL 18.5” Wide LCD Monitor	60
10	HCL Intel Core i3 /1GB DDR3/160GB SATA Hard Disk /HCL Keyboard /HCL Optical Mouse / HCL 18.5” Wide LCD Monitor	60
11	HCL Intel Core i3/ 2GB DDR3 RAM / 250 GB Hard Disk / Optical Mouse/ HCL Keyboard/ 18.5' HCL LED Wide Monitor	20
12	HCL Intel Core i3/4GB DDR3 RAM / 500GB Hard Disk/Optical Mouse / HCL Keyboard / 18.5' HCL LED Wide Monitor	100

13	ZENITH Intel Core i3/ 4GB DDR3 RAM / 500GB SATA Hard Disk / USB Multimedia keyboard / USB optical Mouse/ 18.5 Wide TFT Monitor	72
14	ZENITH Intel Core i3/ 2 GB DDR3 RAM / 500GB SATA Hard Disk / USB Multimedia keyboard / USB optical Mouse/ 18.5 Wide TFT Monitor	130
15	ZENITH Intel Core i3/ 4GB DDR3 RAM / 500GB SATA Hard Disk / USB Multimedia keyboard / USB optical Mouse/ 18.5 Wide TFT Monitor	70
16	ZENITH Intel Core i3/ 2 GB DDR3 RAM / 500GB SATA Hard Disk / USB Multimedia keyboard / USB optical Mouse/ 18.5 Wide TFT Monitor	15

- Computer Student Ratio :
 - ✓ UG students 1 : 4
 - ✓ PG students 1 : 2
- Stand alone facility : 1010 Computers
- LAN Facility : 1010 Computers
- Wi-Fi Facility:
 - ✓ Main Block : 3 point Access
 - ✓ C Block : 3 point Access
 - ✓ Boys Hostel : 4 point Access
 - ✓ Girls Hostel : 2 point Access

TABLE 4.5
DETAILS OF SOFTWARE

S.NO	INVOICE NO & DATE	NAME OF THE SOFTWARE	LICENSED QUANTITY
1.	CPI-7143/ 17.08.2007	Borland Turbo C++	60
2	18065/ 17.08.2007	Language Laboratory	
		Study Skill Success	1
		Movie Talk	1
		Renet Digital Multimedia Language Lab	1

4	CPI-9022/ 25.04.2008	SPSS Windows 16.0	10
3	213/ 10.11.2008	PLACE MENTOR (Teacher Console, English lab,Career Lab&Aptitude Lab)	60
5	1454/ 09.07.2009	SAP Standard Software	10
7	TNGS -19018/ 07.12.2009	Road to IELTS - Both Titles	10
		Business writing	5
		Call Center Communication skills	5
		Active reading	5
		Connected speech	5
		Active listening in English	5
		Tense buster advanced level	5
6	877/ 31.12.2009	IBM Rational Architect	30
		IBM Rational Suite Enterprise Studio	30
8	SSSPL/TN/TX/SV/ 5.02.2010	Photoshop CS4	16
9	SSSPL/TN/TX/SV/ 09-10/047/ 24.02.2010	Photoshop CS4	4
10	095/ 12.08.2010	Solid Works Education	60
		CAM works	15
11	11-12/0476/ 18.08.2011	NI Lab View Software	50
13	1320/30.09.2011	Symantec Antivirus Endpoint Edition	501
17	CUP/S/2012-13/ 40/27.06.2012	XILINX-Version 13.4	25
16	6244000916/ 21.08.2012	WinSL 7 SNGL OLP NL (Academic)	150
12	083-2012-2013/ 28.12.2012	Ansys Version 14 Software	25
18	CUP/S/2012-13/ 238/ 31.12.2012	Simulink Software	10
19	MIS/2012-13/ 21/ 31.12.2012	MATLAB Software	25
15	6244001689/ 10.09.2013	WinSL 8 SNGL OLP NL (Academic)	150

14	6244001887/ 06/02/2014	Microsoft Campus Agreement	
		SQL SvrStd ALNG LicAPK OLV	1
		WinSvrStd ALNG LicAPK OLV E	5
		DesktopEdu.ALNG.licSAPk OLV E	40
		SQL Client Access License	40
20	Kriatec/Edgeca/ 1314/10/059	Edge cam software Network License 2013 R2	45

- Number of nodes/Computers with internet Facility: 750 Computers
16 Mbps speed provided by BSNL (1: 1)
- Any other:
 - ✓ Projectors - 49
 - ✓ Scanners - 8
 - ✓ Server - 6
 - ✓ Printers - 76 (Laser – 46 + DMP – 30)
 - ✓ UPS - 303.4 kVA

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

A total number of 1010 computers are available for use by faculty and students. The internet lab consisting of 60 systems and 16 Mbps internet connection is open until 7 pm. Wi-Fi facility is enabled in the college campus and extends to all areas including library, auditorium, cafeteria, and hostels. Students can access lecture material through a web portal from within and outside the campus.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

Provisions are made in the annual budget for addition and upgradation of computer systems. The organization has a disposal policy where systems that are outdated are replaced with new ones or upgraded. New versions of existing software regularly replace the old ones. During the initial stage, wired internet facility was available on the campus. As the demands of students increased, wireless internet facility was enabled throughout the campus and hostels.

- 4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)**

**TABLE 4.6
ANNUAL BUDGET FOR THE COMPUTERS AND THEIR
ACCESSORIES**

BUDGET (Rs.)							
S. NO	PARTICULARS	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	TOTAL
1	Systems	3,892,200.00	3,126,000.00	21,524,450.00	4,347,200.00	2,097,000.00	45,860,855.00
2	Hardware	841,109.00	1,429,819.00	2,637,342.00	1,925,416.00	1,185,197.00	12,895,853.00
3	Software	1,216,600.00	416,000.00	375,000.00	718,425.00	262,500.00	4,459,134.00
4	Maintenance	19,721.00	32,836.00	22,400.00	3,48,559.00	2,77,600.00	7,01,116.00

- 4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?**

Students access E-learning materials e.g. NPTEL from IITs, Eklavya technology channel during regular and outside working hours and also during weekends. The LCD, AV Halls and Language Lab facilitate enhanced learning experiences for undergraduate and post graduate students. Students have access to lecture notes and additional learning material made available on the web portal. Webinars enable both student and faculty to interact with subject experts across continents. Students and faculty have access to e-journals on subjects of interest.

- 4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms / learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.**

Webinars conducted in the institution, connects students to experts across the globe. During such interactions comprehensive knowledge is gleaned. The Open Source club and Robotics Club gives students the freedom to ignite their creativity. The ICT enabled resources promote independent learning and also a curiosity to explore new areas. This student-centric process of learning renders the role of a teacher as facilitator on the margins, rather than being intrusive in the teaching learning process.

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating University? If so, what are the services availed of?

Workshops have been conducted in the campus in association with IIT-B under the National Mission on Education through ICT (NMEICT) funded by the Ministry of Human Resources Development, Government of India. The institute has applied for EDUSAT connectivity.

4.4 MAINTENANCE OF CAMPUS FACILITIES

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

**TABLE 4.7
MAINTENANCE EXPENSES**

MAINTENANCE EXPENSES (Rs.)								
S.NO.	PARTICULAR	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
1	Computer Maintenance	450	4,27,364	5,11,425	48,969	1,20,360	16,360	8,500
2	Other Maintenance	28,301	2,40,205	3,51,392	4,89,081	36,637	14,68,638	9,18,689
3	Vehicle Maintenance	44,144	5,32,720	7,56,293	3,04,401	20,60,565	32,34,601	28,55,135
4	Building Maintenance	-	-	-	-	4,09,004	-	1,65,134
TOTAL		72,895	12,00,289	1,61,9110	8,42,451	26,26,566	47,19,599	39,47,458

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

The maintenance and upkeep of infrastructure, facilities and equipment of the institute is taken care of by the Housekeeping Department. Maintenance of equipment is done by equipment providers. Lab technicians, plumbers, electricians and housekeeping staff take care of every day maintenance of the institutional mechanism.

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment / instruments?

Calibration is done at the end of every year with the support of technicians on and off the campus records of which are maintained.

4.4.3 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

A power house with 380 kVA and 250 kVA Generators ensure uninterrupted power supply to all the laboratories. Proper earthing and grounding has been done. A team of electricians are on call to take care of the maintenance and upkeep of sensitive equipment and ensure 24x7 supply of water.

Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.

- Fleet of buses ply from different areas in the city and neighboring satellite towns.
- Utilize Equipments, Guest Houses, Conference Gallery and other facilities at KMCH

CRITERION – V

**STUDENT SUPPORT
AND
PROGRESSION**

CRITERION - V

STUDENT SUPPORT AND PROGRESSION

5.1 STUDENT MENTORING AND SUPPORT

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

The Handbook and Prospectus are annual routine features compiled and ready for distribution at the semester start. The Vision and Mission are clearly stated in the Handbook, Prospectus and Website and the institution abides by the commitment given. The accountability is met by the periodical updates made therein. Systematic monitoring of the sub-systems ensures that the larger mechanism functions to capacity, thereby fulfilling its commitment to the students.

The Prospectus

The Prospectus dovetails the following information:

- Details of the academic programmes offered
- Fee structure for each course
- Eligibility criteria for admissions
- Admission procedures
- Outline of courses
- Placement Details.

The Handbook

The Handbook - a cornucopia of information is made available to all students and members of staff. It serves as a ready reckoner providing valuable information about the institution. It provides insight into the detailed planning and systems that are in place. Annual revisions are made in areas that record change. The Handbook lists details related to the items mentioned below.

- Management and Trust
- Governing Council
- Courses offered
- Faculty Team

- Administrative staff
- Supporting staff
- Academic calendar
- Anti ragging committee
- Grievances Redressal cell
- General rules and regulations
- Library rules and regulations
- Committees, Squads and Clubs
- Bus routes.

Website Details

Besides mandatory information about the institution, the website provides regular updates about Invited Talks, Workshops, Training Sessions and Faculty Development Programmes. Links are maintained with alumni.

5.1.2 Specify the type, number and amount of institutional scholarships / free ships given to the students during the last four years and whether the financial aid was available and disbursed on time?

The munificent management institutes merit scholarships based on the cut-off marks. Fee concession is also given to the economically disadvantaged. There has been no delay whatsoever in the disbursement of these funds.

TABLE 5.1 (a)

MERIT SCHOLARSHIPS AWARDED BY THE INSTITUTION

S. NO.	YEAR	NUMBER	AMOUNT (Rs.)
1	2010 – 2011	115	12,67,500
2	2011 – 2012	105	12,51,250
3	2012 – 2013	17	2,20,000
4	2013 – 2014	32	4,80,000
Total		269	32,18,750

TABLE 5.1(b)

FEE CONCESSION GIVEN BY THE INSTITUTION

S. NO.	YEAR	NUMBER	AMOUNT (Rs.)
1	2010-2011	6	1,10,500
2	2011-2012	24	1,82,500
3	2012-2013	11	3,32,500
4	2013-2014	22	2,81,550
Total		63	9,07,050

5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?

A number of scholarships are funded by the state and central governments. The students are informed of all the available funding sources and the institution undertakes the responsibility to guide them in procuring the same.

**TABLE 5.2 (a)
SCHOLARSHIP FOR BC, MBC & DNC**

S. NO.	YEAR	SANCTIONED NUMBER	SANCTIONED AMOUNT (Rs.)	DISBURSED NUMBER	DISBURSED AMOUNT (Rs.)	UNDISBURSED NUMBER	AMOUNT REFUNDED (Rs.)
1	2008-2009	43	3,27,460	43	3,27,460	-	-
2	2009-2010	131	7,71,709	130	7,69,534	1	2,175
3	2010-2011	76	2,69,804	75	2,64,604	1	5,200
4	2011-2012	374	11,21,394	368	11,03,440	6	17,954
5	2012-2013	316	8,09,657	316	8,09,657	-	-
TOTAL		940	33,00,024	932	32,74,695	8	25,329

**TABLE 5.2 (b)
SCHOLARSHIP FOR SC & ST**

S. NO.	YEAR	SANCTIONED NUMBER	SANCTIONED AMOUNT (Rs.)	DISBURSED NUMBER	DISBURSED AMOUNT (Rs.)	UNDISBURSED NUMBER	AMOUNT REFUNDED (Rs.)
1	2009-2010	22	1,63,060	22	1,63,060	-	-
2	2010-2011	33	3,40,660	33	3,40,660	-	-
3	2011-2012	66	21,40,750	64	20,61,750	2	79,000
4	2012-2013	192	35,32,925	187	34,43,925	5	89,000
TOTAL		313	61,77,395	306	60,09,395	7	1,68,000

TABLE 5.2 (c)
MERIT CUM MEANS BASED SCHOLARSHIP

S. NO.	YEAR	SANCTIONED NUMBER	SANCTIONED AMOUNT (Rs.)	DISBURSED NUMBER	DISBURSED AMOUNT (Rs.)	UNDISBURSED NUMBER	AMOUNT REFUNDED (Rs.)
1	2011-2012	2	55,000	2	55,000	-	-
2	2012-2013	4	1,13,000	3	93,000	1	20,000
TOTAL		6	1,68,000	5	1,48,000	1	20,000

TABLE 5.2(d)
OTHER SCHOLARSHIPS

S. NO	SCHOLARSHIP SANCTIONED BY	NO. OF STUDENTS	AMOUNT (Rs.)	DATE
1	National Foundation for Teachers Welfare Scholarship	1	5,000	21.12.2009
2	DOTE - Uzhavar Scholarship	5	17,250	09.03.2010
3	DOTE - Uzhavar Scholarship	1	4,750	11.04.2011
4	Ministry of labour and Employment office of the Deputy Welfare Commissioner, Cannanore	1	3,000	31.05.2011
5	Puducherry Backward Classes and Minorities Development Corporation Ltd, Puducherry	1	75,000	12.09.2011
6	National Foundation for Teachers Welfare Scholarship	1	5,000	20.01.2012
7	Shanthi Social Services, Coimbatore	1	10,000	21.07.2012
8	Attitude Charitable Trust	1	10,000	06.08.2012
9	Sitaram Jindal Foundation, Bangalore	1	4,200	27.08.2012
10	Sitaram Jindal Foundation, Bangalore	1	4,200	29.09.2013
TOTAL			1,38,400	

5.1.4 What are the specific support services/facilities available?

The institution is committed to extend all possible support to students in order to make their educational experience comfortable.

Students from SC/ST, OBC and economically weaker sections:

The students who belong to SC/ST, OBC and economically weaker sections are identified during admission. Students are assisted in availing the Central Government, the State Government and the University sponsored scholarships and concessions. As per Anna University norms 100% tuition fee waiver is provided to SC/ST students whose parent's annual income is below Rs. 2, 50,000. The Vijayalakshmi Trust, a philanthropic organization provides scholarships to meritorious students and the institution assists students in securing it.

Students with Physical Disabilities

The institute is equipped with ramps, elevators, wheel chairs and disabled friendly restrooms to accommodate students with physical disabilities. However, there has been no enrolment as of now.

Overseas students







The University does not offer provision to admit overseas students.



Students to participate in various competitions -National and International







Each department has a student association anchored by a staff coordinator. Students are given free rein to organize technical events. Professional student chapters and Centres of Excellence are havens of activity to launch technical skill sets. This equips them with the necessary organizational skills to participate in competitions both on and off the campus. When the competitions entail participation outside the city, allowances are met by the institution.










TABLE 5.3

STUDENTS AWARDS AND ACHIEVEMENTS

ORGANIZER	AWARDS AND TITLE	GRANTS RECEIVED	YEAR
	ICTACT – Student Project Proposal Scheme (SPS) Title : “Automatic Solar Radiation Tracker” EEE- (N. Maheswari, P. Vinod Khanna, E.R. Kowtham Shankar)	Rs.15,000	2010
	ICTACT –Student Project Proposal Scheme (SPS), Title : “Anti Hacked Virtual Private Secured Polling” CSE- (Hanah Ayisha V, Hyder Ali, Binil Baby, A Dinesh Kumar)	Rs.10,000	2010
	Tamil Nadu State Council for Science and Technology, Student Project Proposal Scheme (SPS) Title “Track Manager for the Differently Abled” EEE (Devika, Krithika, Kousalya, Janani)	Rs. 6,000	2011
	Cash Award for best performances of IEEE Student Branch activities	Rs. 4,537	2011
	RUNNERS UP of NIYANTRA 2012 “Embedded Systems Design Contest” Project titled “LabVIEW Based Human Power Generator and Fitness Analyzer” EEE-(C M Karthick Raja, N Karthik, T Kavin and G Prabhakaran)	Rs. 50,000	2012
	Tamil Nadu State Council for Science and Technology (TNSCST), Grants under Students Project Proposals Scheme		
	“Automatic vehicle smoke monitoring and control using LabVIEW”, EEE- Vengatesh Kumar K, Christy Seraphin P Josephine Judith A ,Priya Dharshini M	Rs. 10,000	2012
	“Tamil keyboard in android” CSE-(Anjaanaa C, Gowtham T,Kavitha L ,Sethuraman M)	Rs. 10,000	2012
	“Eagle Eye Protection for Heavy Vehicle” Dhatchana.N.G, EEE - (Dimple C Paul, Karthik.S, Revathi.P)	Rs. 7,000	2012
	“Coal Feeding Monitoring and Conveyor Control Using PLC at MTPS” EEE - (Anbukumar.A Balakarthis.S Murugan.T Jaganathan.S)	Rs. 10,000	2012

	“Enhanced Human Life Saver” EEE - (B.Nishanth T.Nithyananthan R.Parthiban, A.Rafsal)	Rs. 10,000	2012
	“IEEE Project award” - IEEE student members N.G.Dhatchana , Dimple C Paul, S.Karthik and P.Revathi for their project titled “Enhanced Heavy Vehicle Protection” under Student Project Funding (SPF 2012-13) conducted by IEEE Madras Section	Rs.7,000	2012
	1 st Place for NI Week Student Design Contest, National Instruments, Austin, USA. Project Title “Efficient Wireless Data Transfer for Realtime Greenhouse Management Using IEEE 802.15.4.ZigBEE protocol” ECE - Abdul Wahab, N.Praveen Kumar, S.Rama Chandar, S.Shibi Prasanna and P.Pradeep	\$750	2013

ORGANIZER	AWARDS AND TITLE	YEAR
	“Motorola Scholar award” - “FAER (Foundation for Advancement of Education and Research) conducted by MOTOROLA , EEE - (N.G.Dhatchana, Dimple C Paul, S.Karthik and P.Revathi)	2012
	Finalists for VI Mantra 2012 “National Level Technical Paper Writing Contest” - 9 th Annual National Level Paper Contest “NOVELTY OF AIR CONDITIONING FOR CARS USING LabVIEW” ,EEE -(K.Jaya Roobini, M.Deepika, P.Sasi Kumar)	2012
	University First rank and 47 th Country rank in Global level competition “IEEE Xtreme Programming Competition 6.0” in Asia – Pacific Zone conducted by IEEE, USA - ECE - (Arun Ganesh.U, Anand.M and Satheeshkumar.S)	2012
	ICTACT INNOVATOR AWARD 2012 EEE - (C.Venkatachalam, C.Preethi, R.Suresh, Sri Divya)	2012
	“BEST IDEA AWARD” IIT Delhi ECE - (Alamelu Vidhya.D, Anand.M, Anitha.G, Arun Ganesh.U)	2012
	Mahindra Satyam Young Engineer Award 2012 (Finalist out of 15 Batches) Enhanced accident identification and Victims status indications using LabVIEW	2012

	Robotics Championship in IIT Kharagpur, ECE -(Jewel Serin Johnson, Nazneed Fatima, Mythrehee)	2013
	Tata First Dot People - Anish Kumar, Mechanical Engineering student has won choice competition held at IIT, Chennai	2013
	First prize in National Level Image Processing contest organized by IIT, Guwahati, ECE - (Rakesh R.Nair, Reshma Rajan, Shalu Sara Abraham, Sunandhini R and Varun Jayakumar)	2013
	Gifton C Titus, ECE student won Rs.3,20,000.- in the event- TV Show “Neengalum Vellalaam Oru Kodi” conducted by the Star Vijay TV Network	2013
	ICTACT - Student Innovator award 2013, Project Title “Design and Development of Human Power Generator and Fitness Analyser using LabVIEW” , EEE -(G Prabhakaran, T Kavin, Karthik and C M Karthik Raja)	2013
	Planet NI Young Entrepreneur Award 2013, Project Title “Efficient Wireless Data Transfer for Realtime Greenhouse Management Using IEEE 802.15.4.ZigBEE protocol” - ECE -(Abdul Wahab, N.Praveen Kumar, S.Rama Chandar, S.Shibi Prasanna and P.Pradeep)	2013
	University First rank and 40 th Country rank in Global level competition “IEEE Xtreme Programming Competition 7.0” in Asia – Pacific Zone conducted by IEEE, USA , ECE - (Arun Ganesh.U, Anand.M and Mani Bharathi)	2013
	Best presentation and Best exhibit award – Tamil Nadu State Council for Science and Technology (TNSCST) Seminar cum project exhibition at Kongu Engineering College, Perundurai for Student Project Scheme (2012-2013 CSE-Anjaanaa C, Gowtham T, Kavitha L &Sethuraman M)	2014
	Project titled “Intelligent Head Light Adjustment For Two Wheeler Using Adaptive Lighting System” by ECE Students (Mani Bharathi.Vijaya.V, Deepak Raj Kumar.R, Kannan.G, Madhan Kumar.V, Akilan.N) has been published in Motor Vikadan (Page No.72).	2014

Organizing coaching classes for competitive exams:

Students' willingness to participate in national and international competitive tests require special coaching and training. The institution has MoUs with international bodies of repute which offers certification courses by CISCO, Oracle, IBM and NI. The institution library has a special section equipped exclusively for competitive examinations. Besides this, coaching in IAS/IPS, Soft skills and Interview skills is offered by the Bureau of Overseas and Higher Education and Civil Service Examinations, on campus.

Medical assistance to students: health centre, health insurance etc.:

The Management runs its hospital Kovai Medical Center and Hospital (KMCH), a 850-bed Multi-disciplinary advanced Super specialty hospital located 2 kms from the institution which offers comprehensive health solutions for various ailments. Here, students and faculty are provided concessional medical assistance. The students are inducted into an accident insurance policy at the time of admission. Health check up camps is periodically organized by physicians, dentists and ophthalmologists. The assistance of psychiatrists on call helps in the counseling of students. The doctors' reports have often been invaluable in identifying and providing suitable treatment for persistent but often ignored problems in students. Sick rooms are available for those who take ill and need to for interim periods.

Skill development (Spoken English, Personality Development Program, Technical Certifications etc.)

The Institute has signed an MoU with the British Council for certification by Cambridge University in certificate courses like Business English. The Friday Forum is an exercise in language speaking skills conducted exclusively for the first year students. Personality development courses are entrusted to organizations like FACE Academy, SMART and Dawn India to help in the overall development of students. Students are periodically exposed to talks by eminent personalities from both academia and industry. Guest speakers from national and foreign institutions/industries throw light on employment opportunities to students. The Institution also offers international certification training through Oracle, IBM, NI, CISCO and LABVIEW. Refer Table 1.3.

Support for “slow learners”

The mentor system with 20 students assigned to a faculty identifies students with difficulty in particular subjects. These slow learners are tutored in remedial classes. In addition, departments make use of peer teaching, assignments, cycle tests that helps students learn better. Personalized counseling is given to the students.

Exposure of students to other institution of higher learning / corporate / business / house

Higher education necessitates link with knowledge resources that are not as much class room based as they are into the realm of virtual learning. As such, the quintessence of a standard IIT Lecture is transmitted to the student through NPTEL resources, spoken tutorial, and webinars. Visits from high profile business house personnel as well as internships and factory visits helps integrate practical with theoretical knowledge that benchmarks the professional of the market place.

Publication of student magazines

The institution publishes annually a magazine, newsletter – “The NGP Times” and also a detailed newsletter exclusive to each department. Editorial boards for each of the publications comprising staff and students, work in tandem to collect contribute and process the publications.

5.1.5. Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

A Business Club, an Entrepreneurial Cell, and a Rotract Club, organize regular activities to promote entrepreneurial skills among students. The cells organize talks by entrepreneurs. These give students an insight into the different careers that they can venture into, the risks and the gains involved. The talks that were given helped students develop an understanding of the benefits of self employment.

**TABLE 5.4
PROGRESSION TO ENTREPRENEURSHIP**

S.NO.	BATCH	NAME	DEPARTMENT	COMPANY
1.	2009-2013	Mr. A.S.Sathiya Raj	CSE	Logistics
2.	2010-2014	Mr. A.Bharathi	CSE	Textiles
3.	2010-2014	Mr. G. Anishkumar	Mechanical	Logistics
4.	2012-2016	Mr. D.Mohana Shankar	CSE	Textile
5.	2011-2015	Mr. M.Maheshkumar	CSE	Engineering works
6.	2011-2015	Mr. P.Prasanth Sam Asir	CSE	Prince Digital

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, quiz competitions, debate and discussions, cultural activities etc.

As a policy, the institution, espouses the integration of a healthy mind in a healthy body concept. The sprawling campus is well suited to conduct and host inter collegiate competitions in hockey, sports etc. It strategizes on these activities to promote team work and a healthy competitive spirit apart from insulation of self.

Sports and Games

The Sports Club identifies students interested in taking up a sport. Free coaching by experts for Cricket, Football and Basketball is offered. The Institution provides sufficient court space and sports equipment to practice other outdoor games like Volleyball, and Throw ball. Indoor games like Table Tennis, Chess and Carrom is available for both male and female students. Representation at inter-collegiate tournaments in Cricket, Hockey, Basketball and Throw Ball take place year round.. The Institution provides an annual budget for sports uniforms and sports materials. It bears boarding and travel expenses of students at inter-collegiate competitions. In addition to this, the institute conducts annually, intramural sports and games for students.

Quiz, Debates and Discussions

Departments conduct technical events during the time allotted for Association activities. General quiz, debates and group discussions are a part of these meetings. These camaraderie sessions are much looked forward to by the students because it provides the perfect platform for exchange of ideas. Students take part in quiz competitions organized by the Professional chapters like IEEE and CSI which are published in the IEEE newsletter. The Literary and Debating Club conducts debates periodically giving opportunities to students to hone their communicative and argumentative skills.

The Institution provides students several opportunities to display latent skills through the Music and Dramatic club. They participate in cultural programmes at the College Day Celebrations, Thanks Giving Day and Alumni Meets. A college band performs at these functions. Each department draws up a list of common likes and throws open opportunities to students to participate in events of their choice. To ensure maximum participation at the first year level, taking part in at least one event is made mandatory.

5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, GATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.

The Bureau of Overseas and Higher Education and Civil Service Examinations provides the necessary training for such examinations. Students take mock tests, and discuss with peer groups and faculty about GATE / CAT /GRE / TOFEL / GMAT / examinations. Books and other reading materials for competitive examinations are available in the library. Students have qualified for TOFEL, IELTS, GRE, CAT and other competitive examinations. Certified examiners among the faculty handle Cambridge Language competency training and also assist students in their TOFEL, IELTS and BEC exams. The Training and Placement Cell notifies students and provides information about competitive examinations. Aptitude tests are conducted in house by the departments and also by external agencies.

5.1.8 What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)

Academic Guidance

Mentors play a major role in monitoring, guiding and counseling students throughout their course of study. Periodic Class Committee Meetings and weekly Tutor Ward Meetings take care of the major and minor issues of students. Mentors identify the special needs of students either through interaction or through feedback. The difficulties of students are given personalized attention. This system helps students settle into their new environment, and identify their strengths and weaknesses. The mentors direct the students to the counselors if psychological help is needed.

Psychological Counseling

Psychiatrists from KMCH provide psychological help to students who have personal psycho-social problems. Family problems, relationship issues, poor self image, adolescent problems are some of the areas that students seek help in. Any student is allowed to approach the psychoanalyst for assistance and periodic follow up ensures that the student is on the road to recovery. Refer Table 2.3.

Career Counseling

HR Meets, Guest Lectures, talks by Career Counselors and eminent entrepreneurs, create awareness on market demands and expectations. Students eagerly involve themselves in the value added courses offered by the institution. External organizations that provide training to the students also deliver relevant information on employment opportunities. The Training and Placement Cell provides training to students who need to improve specific skills. Counseling is also given on meeting challenges in the corporate world and on maintaining one's integrity and ethics.

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programme).

The Training and Placement Cell of the Institute works with the students in a phased manner. During the first year training in communication skills is delivered by the department of English and personality development workshop by professional trainers.

The following programs are offered during the second and third years of study.

- BEC by Cambridge University
- Quantitative, logical reasoning, soft skills by trainers from FACE academy, SMART, Six phrase
- Technical skill enrichment courses offered by MoU partners
- Elective course on professional ethics

During the final year students are guided to take up projects from reputed industries, given training on interview skills and company specific training. M/s.Hexaware Technologies, Chennai

TABLE 5.5
STUDENTS RECRUITED THROUGH CAMPUS INTERVIEWS

YEAR	TOTAL NO. OF FINAL YEAR STUDENTS	RECRUITED THROUGH CAMPUS SELECTION	ON-CAMPUS	OFF -CAMPUS	PERCENTAGE
2007-2011	238	22	10	12	9.24%
2008-2012	281	125	106	19	44.48%
2009-2013	550	156	138	18	28.36%
2010-2014	575	90	68	22	15.65%

**TABLE 5.6
LIST OF RECRUITERS**

Infosys Technologies Ltd.	CSS Corp Pvt. Ltd.	Collabnet Ltd.
Wipro Technologies Ltd	Ramco Systems Ltd.	IBM India Pvt. Ltd.
Tata Consultancy Services	Tech – Mahindra Ltd.	Oracle India Pvt. Ltd.
Hewlett Packard (HP)	Birla Soft (India) Ltd.	Salzer Electronics Ltd.
HCL Technologies Ltd.	Vernalis Systems Pvt. Ltd.	Pricol Limited
Hexaware Technologies	Veba Technologies	Accenture Services
Sonic Wall Inc	Verticurl Pvt. Ltd.	Rnd Softech Pvt. Ltd.
Veba Technologies	Tweetel Technologies	Jasmin Infotech
Dhyan Infotech Pvt. Ltd.	Texmo Industries	Aquasub Engineering
Cognizant Technologies Solutions	Semantic Space Technologies Ltd.	Syntel International Ltd
Aspire Systems India Pvt Ltd	Aosta Software Technologies India Ltd.	Atlas Healthcare India Pvt. Ltd.

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.

An Antiragging, Grievance & Redressal Committee has been established comprising the Principal, heads of departments, wardens, physical director and librarian. It has so far not had any major issue involving human

rights violation, gender bias or social discrimination. All complaints and suggestions found in the suggestion boxes are analyzed by the Grievance Redressal Cell and appropriate action is taken. For instance student commuters requested introduction of a bus route from Kavundampalayam to Kovaipudur which was readily ratified. The management meets with the hostel wardens on a weekly basis. Issues relating to quality service at the hostel, facilities, food and hygiene is looked into and redressed.

5.1.11. What are the institutional provisions for resolving issues pertaining to sexual harassment?

A Women's Cell and IEEE women in Engineering Affinity Group functions in the institute with senior women professors as mentors. No instance of harassment has been reported. Awareness on sexual harassment has been conveyed by Ms. Sreeja, lawyer, late Ms. Hema Karunakaran, Commissioner of Police and Dr. Thavamani D Palaniswami, KMCH, in the role of explicating the risk factors involved in pre marital relationships.

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

The institution has a well formulated anti-ragging system in place that collects a written and signed affidavit from all students in the presence of their parents/guardians at the time of admission. The Anti ragging Committee is headed by the Principal and all Heads of Departments. The contact numbers of the committee is available in the Hand Book and institution website. Display boards are set up at important locations. The consequences of ragging was explained by the Inspector General of Police. A vigilance committee is set up to monitor discipline both at the institute and hostel.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

- Merit scholarships and fee concessions for deserving students.
- Awards to class toppers
- Travel grants to participate in competitions and conferences
- Closed car parking and two wheeler parking facilities
- Transport facility to all points in Coimbatore and neighbouring towns
- Subsidized canteen which supplies hygienic and nutritious food
- Concessional medical assistance 24X7 at KMCH
- Ambulance facility during emergencies
- Provision for insurance and accident policy.

5.1.14 Does the institution have a registered Alumni Association? If ‘yes’, what are its activities and major contributions for institutional, academic and infrastructure development

The alumni of the Institution functions through its administrative body which holds periodic meetings, elects office bearers and regularly updates the database of the alumni of the institution.

- The Alumni, assist the Institution by providing information to the Training and Placement Cell about job openings in companies.
- The members of the alumni give valuable suggestions to improve the curriculum by recommending skill development courses.
- The alumni deliver invited talks and organize training sessions for students
- It actively involves itself in the developmental plans of the institute and periodically makes contributions to the institute by funding academic seminars.

5.2 STUDENT PROGRESSION

5.2.1. Providing the percentage of students progressing to higher education or employment (for the last four batches) highlights the trends observed.

The details of student progression to higher education and employment are represented below:

**TABLE 5.7
PERCENTAGE OF STUDENTS PROGRESSING TO HIGHER
EDUCATION AND EMPLOYMENT**

STUDENT PROGRESSION	2007 - 2011	2008 – 2012	2009 - 2013	2010-2014
	NO. OF STUDENTS	NO. OF STUDENTS	NO. OF STUDENTS	NO. OF STUDENTS
Higher Education	12	38	24	NA
Campus recruitment	10	106	138	68
Other than campus recruitment	12	19	18	22

5.2.2 Provide details of the program wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the University)? Furnish program-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating University within the city/district

TABLE 5.8
PASS PERCENTAGE AND COMPLETION RATE

S. NO	YEAR	NUMBER OF STUDENTS ENROLLED IN FIRST YEAR	NUMBER OF STUDENTS ENROLLED IN SECOND YEAR (LATERAL ENTRY)	TOTAL NUMBER OF STUDENTS ENROLLED	NUMBER OF STUDENTS DROPPED OUT			TOTAL NUMBER OF STUDENTS DROPPED OUT	NUMBER OF STUDENTS APPEARED IN FINAL SEMESTER	NUMBER OF STUDENTS OBTAINED DEGREE	COMPLETION RATE
					DEBARRED	TRANSFERRED	DISCONTINUED				
1	2007-2011	177	125	236	18	0	15	26	276	211	76%
2	2008-2012	383	58	450	47	1	19	46	405	343	85%
3	2009-2013	427	49	503	21	0	20	42	463	403	87%

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

The Institution offers Post Graduate Studies in Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering, Computer Applications and Business Management. Dr. Kasi Goundan, Ford, USA and Dr. Perumalswamy from Wayne State University addressed the students on higher education and career opportunities in the United States. The Training and Placement Cell organizes HR Meets, Meet the CEO programmes and talks by entrepreneurs which inform students on career opportunities. It also conducts placement training sessions, identifies suitable placement opportunities and places the students through on and off campus placement. The Bureau of Overseas and Higher Education and Civil Service Examinations provides guidance for advanced level studies vide details on 5.1.7.

TABLE 5.9

LIST OF INVITED TALKS - MOTIVATION TO HIGHER STUDIES AND EMPLOYMENT

S.NO.	DATE	PROGRAMME
1	24.10.2010	Special Talk on “Entrepreneurial and Self Employment”t by Ms.Saranya Damodaran, CEO, Technocrat Solutions
2	06.01.2011	Workshop on “Reclaiming Your True Identity” by Dr.S.Manikandan Faculty Adviser, Youth Corp Training Consultancy

3	05.08.2011	Guest Lecture on “Opportunities in Core Industry”, by Mr. A.K.Mohammed Azad,Chief Executive Officer, REACH – Information and Communication Engineering, Coimbatore
4	16.09.2011	Seminar on “IT in Health Care” by Mr.R.Jayaprakash, CEO Mr. K.Manokaran , VP Marketing & Sales
5	15.09.2011	“A Successful Engineer” by Er.M.Kandhaswami, President CODDISIA, Coimbatore
6	20.09.2011	Guest Lecture on ” Industry Expectations From New Hires” by Mr.Ganesh, Business Transformation Leader, IBM, Chennai
7	28 & 29.09.2011	“Recent Trends in Microsoft Technologies” by Mr.Ravikiran Malladi, Programme Manager, MSIT India, Mr.Manabendra Roy, System Architect, MSIT India, Mr.Karan Vohra, Developer,MSIT India Mr.Srikrishna Adithya Mopidevi, Developer,MSIT India
8	05.01.2012	Guest Lecture on “Employment Oppurtunities for Engineers with Managerial Skills” by Dr.S.Subramanian, Asso.Prof. Institute of Management Technology, Hyderabad
9	21.07.2012	Corporate Training– “CAPSULE 2012” by Mr.Wilson and Mr. Devendran HR Head, Indoshell Industry
10	10.01.2013	Guest Lecture on “Higher Education Studies in USA” by Dr. P.R.Perumalswamy, Adjunt Professor, Mechanical Engineering, Wayne State University, USA
11	11.02.2013	Guest Lecture “Orientation for Engineering Graduates for the Civil Services” by Mr.Justin, Coordinator (IAS Academy)
12	13.02.2013	Guest Lecture on “Higher Education” by Mr.Kasi Goundan, Casting Specialist, General Motors Corp, USA
13	08.08.2013	Special Talk on “Graduate Programmes Abroad” by Dr. Bhojan Anand, Professor, Dept of CSE, National University of Singapore
14	31.08.2013	“Pre-Placement” Talk by Mr. Sanjiv.L, General Manger, Servall Engineering, Coimbatore

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

Fear of failure, inadequacy, is a major challenge that students face and the institution takes all efforts to reduce the dropout rate. Students who have difficulty with particular subjects are identified by subject teachers through regular class tests. Remedial / corrective classes are handled by subject teachers after college hours. Cycle tests and assignments are given to assess the level of improvement. Regular counseling by the subject staff, Class Advisor and Tutor helps restore confidence. When failure is due to psychological issues, professional counseling is given.

5.3 STUDENT PARTICIPATION AND ACTIVITIES

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and programme calendar.

A range of sporting activities and games, cultural and extracurricular activities enrich the students' learning experience. Coaches specialized in particular games like Cricket, Volley ball and Basket ball, train both male and female players, preparing them for zonal and state level tournaments. Indoor games like chess, carrom and table tennis are also available . An Annual Sports Meet is conducted, preparations for which starts the preceding week with intra-departmental tournaments. This apart, a well equipped gymnasium, Music and Dramatic club, Yoga club and Tamil Mandram provides recreational and therapeutic outlet to the students. The highlight of the institution is linking sports to social concerns. The annual Kovai Marathon is run for a cause. Students' participation along with the public is overwhelming. This helps build solidarity and self esteem.

A calendar of events that comprises of College Day, Thanks Giving Day, NGP Fest and Freshers Meet helps bring out the cultural potential of students. Besides this, individual departments conduct Elocution, Essay Writing, Photography, Slogan Writing, Paper Presentations, Treasure Hunts, Group Discussions, Quiz competitions, Project Display, Dumb Charades, Mime shows, Dancing, Singing, Instrumental music etc.

5.3.2 Furnish the details of major student achievements in co-curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / international, etc. for the previous four years.

The students have excelled in co curricular and extra curricular meets. Students have brought laurels to the institution by winning numerous awards in technical and extra curricular events. Details of sports activities are given below.

International Representation

Mr. Gowtham. R, of III B.E.computer Science represented the **Cricket Federation of India under- 22 Team** to tour New Delhi, organized by Delhi cricket board from 25.07.2011 to 03.08.2011.

University/State Representation

Mr. Rajesh. S, of II B.E.Mechanical was selected for **Anna University Team for the South Zone Inter University Football Tournament**, Kerala University, Kerala.

District Representation

Mr. Ashwin Samuel, of III B.Tech Information Technology and Mr. Seyabudeen of III B.E.Mechanical represented The Nilgiris District Cricket team for the tournament **CELET CRICKET CLUB LEAGUE** conducted by TNCA and NDCA on 19.07.2011

TABLE 5.10
EXTERNAL TOURNAMENTS

S.No	YEAR	SPORT	PARTICULARS	PRIZE
1	2009-2010	Basketball	Anna University Zonal 1 Basketball Tournament from 20.08.2010 to 21.08.2010 held at Dr.MCET – Pollachi.	2 nd Place
2		Athletic	Anna University Zonal 1 Athletic Meet from 23-09-2010 to 25-09-2010 held at CIT, Coimbatore	2 nd Place
3		Hockey	State Tournament from 8.01.2011 to 9.01.2011 held at GPT, Coimbatore.	1 st Place
4		Cricket	CIT - AIRCEL Trophy from 02.05.2010 to 07.05.2010. held at CIT - Coimbatore.	2 nd place
5	2010-2011	Athletics Men	Anna University Zonal Sports Tournament conducted at Coimbatore Institute of Technology	2 nd Place
6		Hockey Men	SDAT Hockey Championship 2011	2 nd Place
7		Cricket Men	Inter Engineering Collegiate Tournament 2012 at Sri Ramakrishna Institute of Technology	2 nd Place
8	2011-2012	Athletics Men	Anna University Zonal Sports Tournament conducted at Coimbatore Institute of Technology	1 st Place
9		Badminton Women	Anna University Zonal Sports Tournament conducted at Park College of Engineering and Technology	3 rd Place
10		Football Men	CIT Football Trophy from 11.03.2012 to 13.03.2012	3 rd Place
11		Hockey Men	Chief Minister Hockey Championship 2012 held at PSG College of Technology	2 nd Place
12	2012-2013	Cricket Men	Anna University Zonal Sports Tournament Conducted at Coimbatore Institute of Technology	2 nd place
13		Football Men	Anna University Zonal Sports Tournament conducted at Dr.NGP. Institute of Technology	1 st Place

14		Athletics Men	Anna University Zonal Sports Tournament conducted at Coimbatore Institute of Technology	2 nd Place
15		Volleyball Men	Anna University Zonal Sports Tournament conducted at Kalaingar Karunanithi Institute of Technology	4 th Place
16	2013-2014	Chess	Anna University Zonal Sports Tournament conducted at Park College of Engineering and Technology from 07-08 2013 to 08.08.2013	2 nd Place
17		Badminton Men	Anna University Zonal Sports Tournament conducted at Park College of Engineering and Technology from 25. 08.2013 to 26.08.2013	2 nd Place
18		Table Tennis Men	Anna University Zonal Sports Tournament conducted at PSG College of Technology from 18. 09.2013 to 19.09.2013	3 rd Place
19		Hockey Men	Anna University Zonal Sports Tournament conducted at Park College of Engineering and Technology from 30.9.2013 to 01.10.2013	3 rd Place
20		Hockey Men	2 nd CM Trophy Hockey Tournament. Conducted by Dr.N.G.P.Arts and Science College from 18.10.2013 to 19.10.2013.	3 rd Place
21		Chess	Anna University zonal sports tournament conducted at Park College of Engineering and Technology from 07.08.2013 to 08.08.2013	2 nd Place
22		Badminton Men	Anna University zonal sports tournament conducted at Park College of Engineering and Technology on 25.08.2013 to 26.08.2013	2 nd Place
23		Table Tennis Men	Anna University zonal sports tournament conducted at PSG College of Technology from 18.09.2013 to 19.09.2013	3 rd Place
24		Hockey Men	Anna University zonal sports tournament conducted at Park College of Engineering and Technology from 30.09.2013 to 01.10.2013	3 rd Place
25		Hockey Men	2 nd CM Trophy Hockey Tournament. Conducted by Dr.N.G.P.Arts and Science College, from 18.10.2013 to 19.10.2013.	3 rd Place
26	2013-2014	Football	CENTIES – Held at Hindustan College of Engineering and Technology from 02.02.2014 to 6.02.2014	2 nd Place
27		Table Tennis Men		

5.3.3 How does the institute seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

The annual Graduation day and Alumni meet are ideal occasions to interact and elicit information from graduates on industry academic promotion. Formal and informal meetings helped identify the usefulness of the value added programs offered and suggestions received on future industry requirement.

5.3.4 How does the institute involve & encourage students to publish materials like catalogues/wall magazines/institute magazine & other material? List material for past four academic sessions.

The power and art of expression along with the technicality entailed in publication are important skills to be acquired in documenting the project work that is mandatory for a student. Care is taken to ensure that the annual college magazine and department newsletters get maximum contribution from students. Collaborative technical publications with faculty are also encouraged.

5.3.5 Does the institute have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

Each department has a student association to which office bearers are elected who voice the opinions of the student community. Students actively participate as members in professional bodies and societies.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

The following Academic bodies have student representatives:

Professional student chapters	Library coordinating committee
Consumer Club	Placement committee
Clubs - Co-Curricular activities	College functions committee
Department Associations	Hostel students Council.

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

An Alumni association is established where they actively contribute to the development of the institution which is elaborated in section 5.1.14

5.3.8 Any other relevant information regarding Student Support and Progression which the institute would like to include.

- Bank with ATM facility

CRITERION – VI

**GOVERNANCE, LEADERSHIP
AND MANAGEMENT**

CRITERION - VI

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 INSTITUTIONAL VISION AND LEADERSHIP

- 6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?**

Vision

Dr. N.G.P Institute of Technology strives to be a place of excellence offering good infrastructure, an innovative and research oriented teaching community and a conducive atmosphere to learning. These elements help unfold the imagination and the knowledge of young technical graduates. Dr. N.G.P Institute of Technology stands focused to ensure and promote knowledge and an identity based education committed to responsible citizenship.

Mission

Dr. N.G.P Institute of Technology is committed to produce graduates of sound technical knowledge inclined towards research and innovation. It strives to inculcate ethical standards and good character in the minds of young professionals. They are sculpted to be the right kind of technocrats and scientists for the nation.

The ultimate aim of any education and in particular technical education, is service to society through responsible individuals, as laid down in the vision and mission statements. The institution fulfills its responsibility to the students by providing ample opportunities for learning and equipping them with sound technical knowledge, a scientific bent of mind and life skills. Going further by the traditions of the institution it sensitizes the students to their ongoing responsibility to its immediate society, the environment and the nation at large.

6.1.2. What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

The top management executes its responsibilities by entrusting the Principal and academic heads the shared responsibility in implementing policies, nurturing stakeholder relationship, faculty recruitment to suit designated posts, improving infrastructural facilities, welfare schemes, new courses etc. to satisfy the design and implementation of its quality policy.

The Principal in consultation with the management shoulders the responsibility of ensuring that the right ambience is created for intellectual pursuits of students and faculty, communication with regulatory bodies, facilitation of research activities, synergy with stakeholders, encourage team spirit and achieve academic goals. The departments, councils and clubs execute the responsibilities vested in them.

The Deans, Directors and Heads of Departments take on the overall responsibility of the functioning of the department. The head functions through the subject co-ordinators, academic co-ordinators, class advisors and tutors to provide academic support, guidance, counsel, address grievances, maintain database, keep tabs on attendance and communicate student progress to the stakeholders. The faculty take responsibilities in effective curricular transaction and holistic development of the students.

6.1.3 What is the involvement of the leadership in ensuring:

- The policy statements and action plans for fulfillment of the stated mission
- formulation of action plans for all operations and incorporation of the same into the institutional strategic plan
- Interaction with stakeholders
- Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders
- Reinforcing the culture of excellence
- Champions organizational change.

The leadership steers its operations through well defined action plans justifying the goals of the mission statement. The Academic Council structures quality enhancement programmes for faculty, executed through the Faculty Development Council. They also convene with the Heads of Departments and the Exam Cell governed by the Academic Development Cell, in the planning and execution of exams.

The Research Council supports and encourages participation in research activities. The IIPC and the Training and Placement Cell organizes programmes, visits and training sessions, paving the way for the much required industry connect and knowhow about industry expectations. Students' involvement in Professional Societies and Chapters feed their knowledge in their special area of study.

The Centres of Excellence offer value added courses that support intellectual and skill growth. Emotional and psychological support is assured through strictly monitored anti-ragging, grievance-redressal Cells and student counselling. Clubs and Forums nourish co-curricular learning which contribute to the holistic growth of the individual. Regular updates to parents about academic progress and attendance builds trust and bonds that go beyond the college years and into alumni relationships. The systems which work in tandem supplement and complement each other in promoting excellence. Regular updates on the efficiency of the systems is gleaned from its operation and changes are arrived at when required.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

Governing Council meetings are held regularly where suggestions and recommendations are made to the management. The feedback received from students, parents, HoDs, Staff, Alumni and industry experts are assessed and improvements in policies are planned. An effective action plan and monitoring system is framed for academic activities where quality assessment is done through academic audits and ISO Surveillance audits. Committees and cells design and organize programmes to which innovations are made from time to time.

6.1.5. Give details of the academic leadership provided to the faculty by the top management?

Principal heads the academic structure of the institution, where leadership is vested in a top-down approach. Academic Committees are headed by able faculty, who execute academic responsibilities. The faculty take up positions in the Academic Development Cell, Exam Cell, Research and Faculty Development Council etc., which help in the running of the academic machinery. The HoDs, Academic Co-ordinators, Subject Co-ordinators, Advisors and Tutors execute responsibilities at the department level. Affairs of technical and non-technical Clubs and Committees are coordinated by department associations.

The faculty are encouraged to take up responsible positions in the academic structure. Autonomy in using academic resources and well designed systems of testing enables effective transfer of knowledge. The Web portal is a common platform from where students and parents get to access additional information. Both students and staff are encouraged to take up research activities. The management also allows research to be carried in its sister concerns (KMCH, AOSTA). Autonomy in Research and Development activities initiates freedom in research and publications.

6.1.6. How does the college groom leadership at various levels?

The Institute disburses responsibilities from top down by decentralizing duties and responsibilities for quick decision making. All the faculty members are given opportunities with entrusted responsibilities for effective functioning of the academic system. At the student level, leadership is encouraged by entrusting them with the role of class and hostel representatives. Students take up positions as office bearers in various Clubs and Committees.

Number of clubs and committees are formed with the Principal as the President who ensures their effective functioning.

**TABLE 6.1
COMMITTEES AND CLUBS**

Committees and Clubs	
Academic Development Cell	Discipline Committee
Faculty Development Council	Anti Ragging Grievance and Redressal Committee
Time Table Committee	Women Development Cell
Exam Cell	Parents Teachers Association
Result Analysis Committee	Industry Institute Partnership Cell
Academic Auditing Cell	Alumni Association
ISO 9001:2008 Committee	Centre of E- Learning
NAAC Coordinating Committee	Bureau of Overseas and Higher Education and Civil Service Examinations
Centre for Continuing Education	Yoga Club
Centres of Excellence	Youth Red Cross
Research and Development Council	Robotics Club
Library Coordinating Committee	Open Source Club
Training and Placement Cell	Renewable Energy Club
Website Committee	Consumer Club
Internal Quality Assurance Cell (IQAC)	Business Line Club
Photography and Video Committee	Music and Dramatic Club

Sports / Athletics committee	Rotract Club
VIP visits/ Public Relations/ Press/Media	Tamil Mandram
Functions / Celebrations Committee	NSS
Computer /Network Maintenance Cell	Literary and Debating club
Dr. NGP IT News Letter Committee	Environmental Awareness Cell
Dr. NGP IT Magazine Committee	Entrepreneurship Development Cell
Handbook and Calendar Committee	RRC / Blood Donors Club
Stock Verification Committee	Journal Club

6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

The institution provides operational autonomy to the departments in academic pursuits and decision making. The HoDs have the autonomy to budget, plan and execute activities at the department level. The faculty have the freedom for democratic participation in expressing requirement for additional laboratory equipments, library books, enhanced infrastructural facilities, additional classrooms, autonomy to work beyond college hours, curricular enrichment etc. with the approval from management.

6.1.8 Does the college promote a culture of participative management? If ‘yes’, indicate the levels of participative management?

The institute promotes a culture of participative management in keeping with its policy of decentralized governance. Faculty representatives in the Governing Council participate in major decision and policy making. Suggestions of various committees and bodies like the Academic council, ADC, Research Council, ISO 9001:2008, NAAC, etc., are considered before major decision making. Inputs from parents, alumni and students are also carried forward to the management.

6.2 STRATEGY DEVELOPMENT AND DEPLOYMENT

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

The Institute’s quality policy ensures quality teaching-learning processes, research, outreach services and education for technical self sufficiency. It is dedicated to nurture a culture of continuous quality improvement and optimum utilization of resources to achieve academic excellence.

The institution has a quality policy conforming to its vision and mission. Systematic execution of the policy is carried through academic and administrative bodies. Evaluation and review of the systems is achieved through quality check systems like ISO 9001:2008 internal and external audits and feedback from stakeholders.

6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

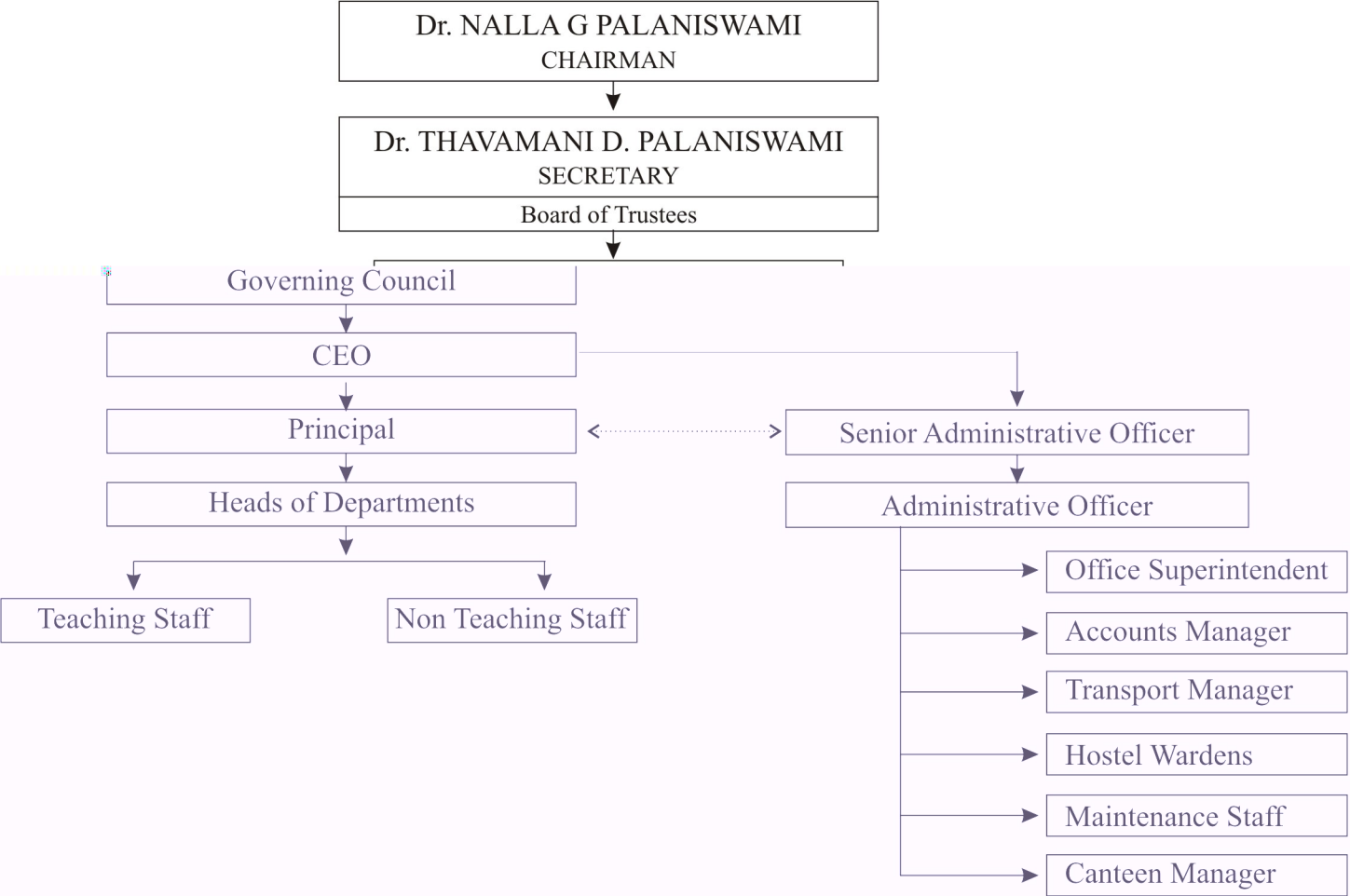
Regular Governing Council meetings are held to discuss plans for new courses, additional intake, infrastructural facilities-buildings, labs, transport, welfare schemes, MoUs, accreditation, Centres of Excellence, research grants, placement and training activities, recruitment of teaching and non-teaching staff, review of academic performance and University results, allocating funds etc.,

Regular Governing Council meetings are held to keep on track the performance of the institution and the details of the same are given below.

**TABLE 6.2
GOVERNING COUNCIL MEMBERS**

S.NO.	NAME	DESIGNATION	LEVEL
1	Dr. Nalla.G.Palaniswami	Chairman, KMCH	Management
2	Dr. Thavamani D Palaniswami	Secretary, Dr.N.G.P. Institute of Technology	Management
3	Dr. O.T.Buveneswaran	CEO, KMCRET	Management
4	Dr. R.Prabhakar	Secretary, Coimbatore Institute of Technology, Coimbatore	Member
5	Thiru.A.P. Appukutti	Chairman, Chola Textiles, Tirupur	Member
6	Dr. K.Porkumaran	Principal, Dr.N.G.P. Institute of Technology	Member – Secretary
7	Dr. Esther Annlin Kala James	Principal i/c Government college of Technology, Srirangam.	University Nominee
8	Dr. C.Kailasam	Director, S & H, Dr. N.G.P. Institute of Technology	Professor
9	Mr. M.Natesan	Assistant Professor, Department of Management Studies, Dr.N.G.P. Institute of Technology	Assistant Professor

6.2.3 Describe the internal organizational structure and decision making processes of the institution



Chairman and Secretary along with the Board of Trustees and Governing Council take policy decisions regarding the academic and administrative affairs of the institution.

Principal is the chair person and suggests recommendations to higher management regarding student and staff progression. He takes utmost care for the smooth functioning of the academic system.

Administration wing takes decisions regarding the entire administrative affairs of the institution.

Heads of the department are responsible for executing the Academic Plan of the institution. They take decisions for department affairs.

Faculty take up positions viz. as Academic Coordinators, Subject Coordinators, Class advisors, Tutors and are responsible for effective curricular transaction and address the grievances of students, if any.

6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

Teaching and Learning

Quality aspects in teaching-learning processes are a prime determiner of institutional progress. This process begins with the recruitment of able faculty who can meet the demands from students and cope with advanced trends in education. Faculty provide opportunities for learning and in turn they learn from the students. The institution hosts a series of FDPs and also provides funds to organize invited lectures, workshops, seminars and conferences. Leave on duty is provided to attend programmes that provide additional skill based and subject based knowledge. Students are benefitted by the updated information they gather from faculty. Besides this, industrial visits, NPTEL video lectures, digital learning technologies, communication lab, library facilities, evaluation systems, remedial classes, feedback mechanisms also contribute to improvement in quality. Value added programmes are offered to students exclusive to their branch of study.

Research and Development

A Research and Development Cell in the institution promotes research activities. The institution promotes collaborative publications in IEEE and Springer conferences. Industry powered laboratories offer assistance to ongoing researches in the institution and innovative programs. Faculty members act as approved research guides and panel members in Doctoral Committee meetings. The research and development cell assists in organizing

international conferences in concurrence with major publishers to initiate publications, invites eminent researchers for talks, collects and sends details to faculty of potential funding agencies in government and private sectors to obtain financial assistance for research projects/seminar grants with guidelines, sends details of student research grants periodically, recommends the granting of study leave to faculty pursuing M.E. and Ph.D. The Cell forwards details of faculty publications to the management for award and recognition.

Community Engagement

As freshers, students are sensitized to their role in the development of the society around them. They can choose to be a part of a social group and involve themselves in the extension activities planned by the institution through various cells and committees. External mechanisms are incorporated to add weightage to the effort and involve larger communities of people. The Principal and institution members participate and propagate the quality initiatives of the institution in events like CII Educational summit, ICTACT Bridge (NASSCOM), Educators Day-National Instruments etc., The institution conducts science exhibitions where school children display working models. Computer literacy is promoted through technology awareness programmes. Blood donation and blood group identification, dental check up, health awareness programmes, donating saplings to nearby villages, creating awareness against illicit liquor etc., to mention are a few community engagements. Visits are also arranged to the homes for the aged and orphanages, donating books, computers and stationery to nearby schools. Refer Table 3.14.

Human Resource Management

The institution takes care of the human resource by providing various welfare schemes. Some of the practices in effective human resource management includes norm based recruitment, insurance benefits, Medical leave, sabbatical leave, On Duty, accidental insurance etc., Faculty are provided with medical concessions at KMCH and fee concessions for their wards in the NGP School.

Industry Interaction

The IIPC and the Training and Placement Cell actively involve in the institute's interaction with industries. MoUs are signed and training sessions are organized. HR meets, Industrial Visits, internships, guest and invited lectures by industry personnel provide a forum for interaction. Refer Section 5.1.9. and 7.3.1.1.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

The Principal gathers information from students, alumni, Heads of departments, teaching and non-teaching faculty, parents and also from eminent industry personnel. Regular feedback through class committee meetings and Principal-faculty-student interaction and hostel meetings is a source of feedback from students. Management and Principal regularly meet the student toppers and challenging students to review their academic performances.

Feedback from staff is obtained through regular meetings, management review meetings, self appraisal and exit feedback. A regular PTA meeting paves way for feedback from parents. Placement review meetings, meetings with students who got placed throws light on the industry requirements and the suitable value added programs to be offered in the institution.

The information gathered through counseling and mentoring, evaluation mechanisms, staff council meetings etc., are conveyed to the top management through personal meetings, Academic Council meetings and Governing Council meetings. All information through circulars is accompanied by copies to the management. Important information is disbursed to stakeholders through institute website, institute annuals, bulk sms, circulars and display boards.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

Faculty take up positions in various academic activities and administrative clubs and committees of the institution. The management encourages and supports its faculty by permitting them to attend training sessions and FDPs for enhancement of technical knowhow and development of additional skills. Permission is also granted to conduct seminars, conferences and FDPs that provide additional exposure. Awards are given in appreciation of publications in reputed journals, research activities and for grants received from funding agencies. Faculty who are pursuing higher studies are granted study leave.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

The Governing Council regularly meets to assess the performance of the institution and suggests various measures to excel. Signing of MoUs, performance of Professional chapters and implementing various value-added

programs are discussed. Students' performance in University examinations, to ratify the appointment of Teaching, Non-teaching and Administrative staff is discussed. Last year, the Governing Council resolved some of the activities of the institution which are tabulated below.

TABLE 6.3
GOVERNING COUNCIL MEETINGS AND IMPLEMENTATION STATUS

DATE	RESOLUTIONS IMPLEMENTED
Centres of Excellence	
26.08.13	IBM-Centre of Excellence - Inaugurated
Memorandum of Understanding	
01.07.13	CADD Centre, Coimbatore for Civil and Mechanical Engineering
05.09.13	Focus Academy for Career Enhancement (FACE)
08.03.13	Trident Technologies Pvt Limited under Texas Instruments
11.02.13	C Cube Technologies-Revit architecture for Civil Engineering
18.11.13	IBM Academic Initiative
22.11.13	DEXLER Information Solution Pvt Limited for SAP
12.12.13	Kovai Medical Center and Hospital for Biomedical Engineering
12.12.13	KMCH College of Pharmacy for Knowledge expertise
12.12.13	Dr.N.G.P Arts and Science and College for infrastructural utilization
27.02.14	STEPS Knowledge Services Pvt Limited for Texas Instruments
04.02.14	Chennai Silks Pvt Limited
Professional Chapters established and activities	
06.03.14 to 08.03.14	IEEE International conference on Green Computing - Conducted
03.08.13	IETE students forum - Inaugurated
23.09.13	ISTE Professional Chapter – Inaugurated
27.08.13	Computer Society of India Student Chapter - Inaugurated
Training and Value added programs	
10.07.13 to 27.07.13	Pro E and CREO (CADD Lab) Training - Conducted
28.09.13 & 29.09.13	Personality development and communication skills by Dawn India – Conducted

6.2.8 Does the affiliating University make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?

The affiliating University does have the provision for according the status of autonomy to an affiliated institution. The institution is working towards satisfying all the norms required for such a status proposed by UGC, AICTE and Anna University. The institution has in place ISO 9001:2008 and is working towards NAAC. Best practices like varied value-added programs offered and centralized examination procedure are few examples to support the claim for such a status. The above monitoring systems will ensure that the institution is fully geared towards acquiring the status.

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyse the nature of grievances for promoting better stakeholder relationship?

The Anti ragging, Grievance and Redressal Committee that was formulated at the commencement of the institution attends to grievances if any. The Principal, Heads of Departments, Wardens of male and female hostels comprise the committee. A Women's Development cell creates awareness among female students and provides a platform for airing of grievances. It has helped develop stakeholder relationship.

Students made the following requests in the past year and they have been promptly addressed, much to the satisfaction of the parents as well.

- Students have the option to select Value-added courses offered.
- Staff- Student interaction time in the evening
- Library to house books for professional exam preparation
- Increase in Wi-Fi access points at both college and hostel premises
- Permission to take more than three books on library cards
- College bus facility to remote areas and also for those attending special classes
- Additional water filters in the institute and hostel.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

The institution has had No cases to file.

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?

Yes, the institution does follow the practice of taking a feedback from the students. Class committee meetings, periodical review systems and feedback at the close of every semester offer necessary and regular feedback from the students. Based on the feedback, changes are effected.

Based on Student feedback system, the following changes were made in the recent past

- Additional courses for AutoCAD, C, Maya, CNC, .NET. IBM Mainframe etc
- During examination period, reading room is made available to students beyond working hours
- Increase in library hours and net lab
- Increase in bus facilities during special classes and holidays
- Timing for Students section in the office has been modified according to students need.

6.3 FACULTY EMPOWERMENT STRATEGIES

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

Both teaching and non-teaching faculty contribute in large measure to the continual growth of the institution and hence efforts are made by the institution to enhance their professional development. The Faculty Development Council conducts and organizes faculty development training programmes to cater to the needs of faculty members. For faculty, FDP and FTPs organised by the institution and participation in those organized by institutions of repute, provides gainful inputs. Paper publications and presentations are encouraged. Faculty is given On Duty leave for all external programmes. Industry and subject experts are invited to deliver lectures and conduct workshops. Study leave is granted to those faculty pursuing higher studies and research. The library provides access to journals of repute. The Research and Development Cell forwards to the faculty, details of funded projects. The non-teaching faculty are encouraged to pursue higher education and training programmes.

TABLE 6.4 (a)
FACULTY ENRICHMENT PROGRAMS IN 2010

S. No	Name of the Faculty / Department	Period	Topic	Industrial Partner	Venue
1.	Mr.G.C.Thiyagarajan /ECE	2 nd Jan 2010	FDP on Computer Aided Language Learning	-	Dr.NGP Institute of Technology, Coimbatore
2.	Ms.M.Thillai Rani /ECE				
3.	Ms.V.Priya Darshini /ECE				
4.	Mr.R.Karthik /ECE				
5.	Ms.K.Kavitha /ECE				
6.	Ms.R.S.Kiruthika /ECE				
7.	Mr.S.Krishna Prabhu / ECE				
8.	Mr.J.Sathish /EEE				

9.	Ms.G.Saranya /EEE	2 nd Jan 2010	FDP on Computer Aided Language Learning	-	Dr.NGP Institute of Technology, Coimbatore
10.	Ms.Sanathi /IT				
11.	Ms.Srividhya /IT				
12.	Ms.G.Ramya /IT				
13.	Ms.N.Kiruthika /IT				
14.	Ms.Sanathi /IT				
15.	Ms.Sanathi /IT	20 th Feb 2010	FDP on Web 3.0 Technologies	-	Dr.NGP Institute of Technology, Coimbatore
16.	Ms.D.Lakshmi /IT				
17.	Ms.N.Preethi /MCA	28 th Jan 2010	FDP on Business Intelligence & Data Warehousing	Bharathiar University	Department of Computer Applications, Dr.NGP Institute of Technology
18.	Ms.V.Priyadarshini /ECE	15 th to 19 th Mar 2010	Wipro Mission 10X Level - I & II Faculty Empowerment Programme	Wipro Technologies	Hindustan College of Engineering and Technology
19.	Ms.S.Sanathi /IT				
20.	Ms.K.Gayathri Devi /ECE				
21.	Ms.P.Anitha /ECE				
22.	Mr.S.Vivekanandan /EEE				
23.	Mr.M.Duraisamy /MCA				
24.	Mr.Maharajan /MBA	5 th May 2010	FDP on Effective Teaching – Learning Techniques	-	KPR School of Business, Coimbatore
25.	Ms.R.Nidhya /CSE	5 th & 6 th Apr 2010	Essentials of .NET Programming	Microsoft Corporation and ICTACT	Erode Sengunthar Engineering College, Erode
26.	Ms.M.Gomathi /IT				
27.	Ms.R.Nidhya /CSE	29 th May 2010 to 5 th June 2010	.NET Programming	Microsoft Corporation and ICTACT	PSG College of Technology, Coimbatore
28.	Ms.K.Sashi Rekha /CSE	29 th May 2010 to 5 th June 2010	Java Programming	Cognizant Technology Solutions, TCS & ICTACT	PSG College of Arts & Science, Coimbatore
29.	Ms.S.Sanathi /IT				
30.	Dr.K.Porkumaran / Vice Principal	1.15 th Jun 2010 2. 21 st Jul 2010	1. Directors Meet 2. Oracle Higher Education Programme	1. National Instruments 2. Oracle and ICTACT	Rathna Regency, Coimbatore, Chennai
31.	Ms.G.Dharaniga /CSE	17 th to 24 th Jul 2010	Java Programming	Cognizant Technology Solutions, TCS and ICTACT	Dr.NGP Institute of Technology, Coimbatore
32.	Mr.K.Moorthi /CSE				
33.	Mr.D.Premkumar /IT				
34.	Ms.S.Annalakshmi /IT				
35.	Ms.E.Karthika /ECE				
36.	Mr.S.Prabakar /EEE	14 th Jul 2010	LabVIEW with hands on training	National Instruments	Jenny's Club, Coimbatore
37.	Mr.M.Duraisamy /MCA	17 th to 27 th Aug 2010	Oracle WDP Training	Oracle India Pvt. Ltd.	Oracle India Pvt. Ltd., New Delhi

38.	Mr.S. Vivekanandan /EEE	25 th to 29 th Sep 2010	Siemens PLC	Siemens Limited	Dr.NGP Institute of Technology , Coimbatore
39.	Ms.G.Saranya /EEE				
40.	Mr.B.Subramani /MBA	25 th Sep 2010	FDP on Creativity in Management	CCO, Idea Domain	GRD Institute of Management, Coimbatore
41.	Ms.K.Geetha /MBA	25 th Sep 2010	FDP on Indian Ethos and Values	-	RVS Faculty of Management, Coimbatore
42.	Ms.N.Preethi /MCA	27 th to 29 th Sep 2010	Multi Core Programming	Intel	Bannari Amman Institute of Technology, Sathyamangalam
43.	Mr.D.Premkumar /IT				
44.	Ms.K.Gayathri Devi /ECE	22 nd to 24 th Nov 2010	FDP on Electro Magnetic Fields	-	Dr.NGP Institute of Technology Coimbatore
45.	Ms.C.Ellammal /ECE				
46.	Ms.G.Shanthi /ECE				
47.	Mr.R.Karthik /ECE				
48.	Mr.S.Krishna Prabhu /ECE				
49.	Ms.V.Priyadarshini /ECE				
50.	Ms.M.Thillai Rani /ECE				
51.	Ms.R.S.Kiruthika /ECE				
52.	Ms.A.Chinnammal /ECE				
53.	Ms.R.Vijayarshika /EEE				
54.	Ms.C.Karthika /ECE				
55.	Mr.A.Muthu Krishnan /ECE				
56.	Mr.K.P.Sai Pradeep /ECE				
57.	Mr.P.Mahesh Kumar /ECE				
58.	Mr.Shanmugaraju /ECE	22 nd to 26 th Nov 2010	FDP on Advanced Digital Signal Processing	-	Anna University, Coimbatore
59.	Ms.M.Thillairani /ECE	25 th to 27 th Nov 2010	Advanced Refresher Programme for VLSI Faculty with Hands on Training on Analog Mixed signal and Digital Design using cadence tools	Cadence Design Systems India Pvt. Ltd, Bangalore & ICTACT	Dr.N.G.P. Institute of Technology, Coimbatore
60.	Mr.S.Prabakar /EEE				
61.	Ms.G.Saranya /EEE				
62.	Mr.R.Karthick /ECE				
63.	Mr.K.P.Saipradeep /ECE				
64.	Mr.S.Krishnaprabhu /ECE				
65.	Ms.R.Kavitha /ECE				
66.	Ms.R.Vijay Karthika /ECE				
67.	Mr.Maharajan /MBA	27 th Nov 2010	FDP on National Research Conclave in Business and Management	-	Karunya School of Management, Coimbatore
68.	Mr.S.Prabakar /EEE	11 th Dec 2010 to 15 th Dec 2010	Lab View with hands on training	National Instruments, Bangalore & ICTACT	Dhanalakshmi College of Engineering, Chennai
69.	Ms.P.Pradeepa /EEE				
70.	Ms.V.Priyadarshini /ECE				
71.	Ms.J Madheswari /EEE				

72.	Mr.T.Vijayakumar /IT	18 th to 24 th Dec 2010	.NET Programming	Microsoft, CTS & ICTACT	Kalaingar Karunanidhi Institute of Technology, Coimbatore
73.	Mr.Mani Deepak Chowdhry /IT				
74.	Ms.Roshana Raveendran /MCA				
75.	Mr.P.Jayasheelan /MCA				
76.	Mr. Mohanavel /MBA	Dec 16 th 2010 to 23 rd Dec 2010	Ebiz Essentials for Implementers Using Oracle ERP	Oracle Corporation	Dr.NGP Institute of Technology, Coimbatore
77.	Mr. Boopathy /MBA				

TABLE – 6.4 (b)

FACULTY ENRICHMENT PROGRAMS IN 2011

S. No	Name of the Faculty/ Department	Period	Topic	Industrial Partner	Venue
1.	Mr.S.Vivekanandan /EEE	18 th & 19 th Jan 2011	FDP on Controller for Electric Drives	IEEE Madras Section	Sona College of Technology, Salem
2.	Ms.R.Shalini /EEE				
3.	Ms.N.Preethi /MCA	30 th May to Jun 10 th 2011	Oracle Training	Oracle	Oracle India Pvt. Ltd.,Pune
4.	Mr.P.Jayasheelan /MCA				
5.	Ms.M.Thillairani /ECE	01 st Jun to 3 rd 2011	Creative Theory of Universitarian Teaching	-	United Institute of Technology, Coimbatore
6.	Mr.A.Sakthi /EEE				
7.	Ms.P.Anitha /CSE	20 th and 21 st Jun 2011	OOPS Using C++	ICTACT	Dr.NGP Institute of Technology, Coimbatore
8.	Ms.K.Sashi Rekha /CSE				
9.	Mr.E.Sivaraman /MCA				
10.	Ms.C.Karpagam /MCA				
11.	Ms.Akalya Devi /IT				
12.	Mr.T.Thiagarajan /MCA	23 rd & 24 th Jun 2011	Data structure using C	ICTACT	K.S.Rangasamy College of Technology, Tiruchengode
13.	Mr.T.Vijayakumar /IT				
14.	Mr.K.Moorthi /CSE				
15.	Mr.K.Sundaresan /ECE	6 th Jul to 10 th 2011	Wireless Networks	-	Sri Ramakrishna Engineering College, Coimbatore
16.	Ms.M.Thillairani /ECE	14 th Jun to 18 th 2011	Mission 10X Level I	Wipro Technologies	Dr.Mahalingam College of Eng. Tech. Pollachi
17.	Mr.G.MichaelRaj /Mech.				
18.	Ms.P.Pradeepa /EEE				
19.	Ms.R.Nidhya /CSE				
20.	Ms.K.C.Radhamani /S&H				
21.	Ms.K.Lalithamani /S&H				
22.	Ms.V.Vani /IT				
23.	Ms.K.J.Priyadarsini /ECE	28 th Jun to Jul 2 nd 2011	C# and .Net Framework	Anna University, Coimbatore	Dr.NGP Institute of Technology, Coimbatore
24.	Mr.Mani Deepak Choudhry /IT				
25.	Ms.S.Akalya Devi /IT				
26.	Ms.M.Gomathi /IT				
27.	Ms.P.Renuka /IT				
28.	Ms.R.Saranya /CSE	22 nd Jul 2011	FDP on Teacher Surpasses,	-	Dr.NGP Institute of Technology,
29.	Dr.Sucheeta Ramachandran /S&H				
30.	Ms.Latha K Menon /S&H				
31.	Ms.A.Senthil Vadivu /S&H				

32.	Ms.N.Janaki /S&H		Reinventing Classroom Dynamics towards enhancing learning Autonomy		Coimbatore
33.	Ms.K.C.Radhamani /S&H				
34.	Ms.Vithya Prabha /S&H				
35.	Ms.Roweena D'coute /S&H				
36.	Mr.C.Selvakumar /S&H				
37.	Ms.K.G Anupriya /S&H				
38.	Ms.M.Gowri Somundeeswari /S& H				
39.	Ms.N.Gokilamani/S & H				
40.	Dr.Sucheeta Ramachandran/S & H		FDP on Current trends and innovations in the teaching learning process	-	Coimbatore Institute of Technology, Coimbatore
41.	Ms.Latha K Menon /S&H	11 th to 17 th Jul 2011			
42.	Dr.K.Porkumaran / Vice Principal	1 st and 2 nd Aug 2011	Hands on Training on LabVIEW Data Acquisition and Signal Conditioning	National Instruments, Bangalore	National Instruments, Bangalore
43.	Mr.R.Jayababu /MCA	16 th to 29 th Aug 2011	CISCO Networking Training	CISCO	Amirtha Vishwa Vidhyapeedam
44.	Mr.R.Karthick /ECE				
45.	Mr.K.P.Saipradeep /ECE				
46.	Ms.N.Preethi /MCA	19 th Aug to 20 th Aug 2011	FDP – Ripple	ICTACT	CTS, Coimbatore
47.	Ms.Roshna Ravindran /MCA				
48.	Mr.N.Vinoth Kumar /EEE	22 nd to 26 th Aug 2011	Labview Core I & II Course	-	National Instruments Bangalore
49.	Dr.K.Porkumaran / Vice Principal	25 th to 29 th Aug 2011	Intensive Hands on Training on PLC	Siemens	Siemens Limited
50.	Ms.Roshna Ravindran /MCA	17 th Sep 2011	“RIPPLE” Level 1	CTS & ICTACT	Info Institute of Technology, Coimbatore
51.	Ms.N.Preethi /MCA				
52.	Ms.V.Priyadarsini /ECE	01 st to 3 rd Oct 2011	CLAD Refresher Course & CLAD Exam	National Instruments	National Instruments, Bangalore
53.	Ms.P.Pradeepa /EEE				
54.	Dr.K.Porkumaran / Vice Principal	23 rd Nov to 26 th 2011	Mission 10X - Academic Leadership workshop	Wipro Technologies	Wipro Technologies Chennai
55.	Mr.S.Boopathy /MBA				
56.		12 th Dec to 16 th 2011	Mission 10X Level I	Wipro Technologies	Dr.N.G.P Institute of Technology, Coimbatore

63.	Ms.K.G.Anupriya /S&H	12 th Dec to 16 th 2011	Mission 10X Level I	Wipro Technologies	Dr.N.G.P Institute of Technology, Coimbatore
64.	Ms.K.S.Thangamani /S&H				
65.	Ms.S.Kannaki /S&H				
66.	Ms.N.Nalini /S&H				
67.	Ms.K.Kothavari /ECE				
68.	Mr.R.Jayabrabu /MCA				
69.	Ms.R.Jayabharathy /ECE				
70.	Mr.K.Moorthi /CSE				
71.	Ms.N.Preethi /MCA				
72.	Ms.Roshna Ravichandran /MCA				
73.	Ms.N.Saranya /CSE				
74.	Ms.K.J.Priyadarshini /IT				
75.	Mr.G.Sureshkumar /Mech.				
76.	Ms.K.Kavya /MBA	21 st & 22 nd Dec 2011	FDP on Emerging Dimensions in Business Leadership	-	GRG School of Management Studies, Coimbatore
77.	Mr.C.Ramachandran /MCA	24 th to 31 st Dec 2011	FDP on Data warehousing and Data mining	-	Sri Ramakrishna Engineering College, Coimbatore
78.	Ms.R.K.Sudhamathi /MBA	25 th Dec 2011	FDP on Financial Research – Tools and Approach	-	RVS Faculty of Management, Coimbatore

TABLE – 6.4 (c)

FACULTY ENRICHMENT PROGRAMS IN 2012

S. No	Name of the Faculty/ Department	Period	Topic	Industrial Partner	Venue
1.	Ms.K.Kavya /MBA	31 st Jan 2012 to 4 th Feb 2012	FDP on Enterprise Resource Planning (SAP & MS Dynamics)	-	Avinashilingam Deemed University for Women, Coimbatore
2.	Ms.K.C.Radhamani /S&H	4 th to 10 th Jan 2012	FDP on Probability Random process and queuing theory	-	Kumaraguru College of Technology, Coimbatore
3.	Dr.K.Porkumaran / Vice Principal	30 th Jan 2012 to 4 th Feb 2012	SIEMENS PLC & SCADA Training Programme	Siemens Ltd	Dr.NGP Institute of Technology, Coimbatore
4.	Ms.P.Pradeepa /EEE				
5.	Ms.G.Hemalatha /EEE				
6.	Mr.G.Prabhu /EEE				
7.	Ms.N.Preethi /MCA	30 th Jan to 3 rd Feb 2012	ORACLE Database 11G	ICTACT	Dr.NGP Institute of Technology, Coimbatore
8.	Mr.P.Jayasheelan /MCA				
9.	Mr.M.Duraisamy /MCA				

10.	Ms.P.Pradeepa /EEE	28 th to 31 st Jan 2012	LabVIEW Training	National Instruments	Dr.NGP Institute of Technology, Coimbatore
11.	Mr.N.Vinoth Kumar /EEE				
12.	Mr.S.Boopathy /MBA	22 nd & 23 rd Mar, 2012	Mission 10X Level I	Wipro Technologies	Dr.N.G.P Institute of Technology, Coimbatore
13.	Mr. R. Jayabrabu /MCA				
14.	Ms. N. Preethi /MCA				
15.	Ms.Roshna Ravindran /MCA				
16.	Mr.P.Jayasheelan /MCA				
17.	Mr.K.Moorthi /IT				
18.	Ms. N. Kiruthika /IT				
19.	Ms. M. Gomathi /IT				
20.	Ms.K.J.Priyadarsini /IT				
21.	Mr.T. Karuppusamy /Mech	22 nd & 23 rd Mar , 2012	Mission 10X Level I	Wipro Technologies	Dr.N.G.P Institute of Technology, Coimbatore
22.	Ms. K. Kothavari /ECE				
23.	Ms.R.Jaya Bharathy / ECE				
24.	Ms.C.Ellammal /ECE				
25.	Ms. G. Hemalatha /EEE				
26.	Mr. N. Vinothkumar /EEE				
27.	Ms. Nagalakshmi Venugopal /CSE				
28.	Ms. K. Sashi Rekha /CSE				
29.	Ms. P. Vel Vadivu Piriya /Mech				
30.	Mr. G. Suresh Kumar /Mech				
31.	Ms. N. Nalini /S&H				
32.	Ms. S. Kannaki /S&H				
33.	Ms.K.G.Anupriya /S&H				
34.	Ms.K.S.Thangamani /S&H				
35.	Ms.Vanitha /CSE	25 th May to 7 th Jun 2012	FDP on Research issues in computation al grid and cloud computing	-	Kongu Engineering College,Erode
36.	Ms.C.Karpagam /MCA	3 rd to 6 th Jul 2012	Certificate in Java programming	ICTACT	Park College of Engineering, Coimbatore
37.	Mr.S.Shanmuga Raju / ECE	5 th & 6 th Jul 2012	FDP on Analog system lab kit	-	Anna University Coimbatore
38.	Ms.C.Vinothini /CSE	21 st to 24 th Aug 2012	FDP on C#	-	Sri Ranganathan Engineering College, Coimbatore
39.	Ms.T.Logeswari /MCA	21 st to 24 th Aug 2012	.Net Programming	ICTACT	Ranganathan Engineering College, Coimbatore
40.	Ms.C.Vinothini /CSE				
41.	Mr.D.Daniel /CSE				
42.	Ms.P.Anitha /CSE	12 Weeks E-learning	Java- Fundamentals	ICTACT	Online
43.	Mr.E.Sivaraman /CSE				

44.	Dr. R.Jayabrabu /MCA		Java Programming		
45.	Ms. T.Logeswari /MCA	12 th to 14 th Dec 2012	Dot Net Project Workshop” in assn. with “Micro soft”.	ICTACT	Surya Engineering College, Erode
46.	Ms. P.Nandhini Sri /Civil	27 th to 28 th Dec 2012	FDP on theme of Train the Trainers	Nehru Group of Institute, Coimbatore	Dr.NGP Institute of Technology, Coimbatore
47.	Mr. M.Gopinath /Mech				
48.	Mr. A.Gopalakrishnan /Mech				
49.	Mr. K.Saravanan /EEE				
50.	Ms. C.V.Saranya /EEE				
51.	Ms. R.Santhiya /EEE				
52.	Mr. D.Arun Nehru /EEE				
53.	Ms. K.Parimalagandhi /S&H				
54.	Ms. V.Anusha /MBA				
55.	Ms.S. Gomathi /MBA				
56.	Ms. E.Saraswathi /S&H				
57.	Ms. B.Revathi /S&H				

TABLE – 6.4 (d)

FACULTY ENRICHMENT PROGRAMS IN 2013

Sl. No	Name of the Faculty/ Department	Period	Topic	Industrial Partner	Venue
1.	Dr.F.Mary Magdalene Jane / Director – MCA	11 th Jan 2013	Session on Cloud Computing	ICTACT	Hotel Residency, Coimbatore
2.	Ms.V.Vani /HOD – IT				
3.	Mr.M.Duraisamy /MCA				
4.	Mr.C.Makesh /ECE	6 th to 16 th May 2013	FDP on Research and Reconfigurable Embedded system for Medical Science	AICTE (sponsored)	KSR Institute of Engineering and Technology, Tiruchengode
5.	Mr.M.Duraisamy /MCA	9 th 2013 to 11 th May 2013	NBA Training	-	Bannari Amman Institute of Technology, Sathy
6.	Ms.K.Kothavari /ECE	10 th to 16 th Jun 2013	FDP on Special Electrical Machines	-	Anna University, Regional Center, Coimbatore
7.	Dr.B.Subramani /MBA	28 th Jun 2013	FDP on “Effective Teaching & Learning Methodologies”	Dawn India Pvt. Limited	Dr.NGP Institute of Technology, Coimbatore
8.	Dr.S.Suresh Kumar /ECE				
9.	Dr.V.Kumar Chinnaiyan /EEE				
10.	Dr.S.Mohan /CSE				
11.	Dr.F.Mary Magdalene Jane /MCA				
12.	Dr.M.Gopinath /EEE				

13.	Dr.K.Ravikumar /Mech	28 th Jun 2013	FDP on “Effective Teaching & Learning Methodologies”	Dawn India Pvt. Limited	Dr.NGP Institute of Technology, Coimbatore				
14.	Ms.V.Vani /IT								
15.	Ms.J.Karpagam /BME								
16.	Mr.A.Senthilnathan /EEE								
17.	Ms.R.Suganthi /EEE								
18.	Ms.M.Priyadharshni /EEE								
19.	Mr.E.Kannapiran /EEE								
20.	Mr.M.Manojkumar /EEE								
21.	Ms.M.Mynavathi /EEE								
22.	Ms.C.Ellammal /ECE								
23.	Ms. K.Kothavari /ECE					28 th Jun 2013	FDP on “Effective Teaching & Learning Methodologies”	Dawn India Pvt. Limited	Dr.NGP Institute of Technology, Coimbatore
24.	Ms.M.Thillai Rani /ECE								
25.	Ms.N.Deepa /ECE								
26.	Mr.S.Shanmuga Raju /ECE								
27.	Ms.S.Jayanthi Sree /ECE								
28.	Dr.M.Dhivya /ECE								
29.	Ms.V.Sangeetha Poorani /ECE								
30.	Ms.C.Cynthia /ECE								
31.	Mr.N.Jeeva /ECE								
32.	Mr.S.Kannan /ECE								
33.	Ms.N.Jayashree /ECE								
34.	Mr.S.Lenin Desai /ECE								
35.	Ms.J.Rejina Parvin /ECE								
36.	Ms.N.Archana /ECE								
37.	Mr.N.Karthikeyan /ECE								
38.	Ms.E.Manoranjitham /ECE								
39.	Ms.M.Karthika /ECE								
40.	Ms.A.Maheswari /ECE								
41.	Mrs.D.Hemapriya /ECE								
42.	Ms.A.Brindha /ECE								
43.	Mr.S.Kalidass /Mech								
44.	Mr.V.Sivaraman /Mech								
45.	Mr.I.M.Kartheheyan /Mech								
46.	Mr.M.Thirumalaimuthukumar /Mech								
47.	Mr.A. Selvaraj /Mech								
48.	Mr.M.Nallusamy /Mech								
49.	Mr.D.K.Saravanan /Mech								
50.	Mr.T.Sivakumar /Mech								
51.	Mr.N.Senthil Prabhu /Mech								
52.	Mr.R.Ranjith /Mech								
53.	Mr.S.Venkatesan /Mech								
54.	Mr.V.P.Pradeep /Mech								
55.	Mr.P.Gopi Krishnan /Mech								
56.	Mr.A.Jaganathan /Mech								
57.	Ms.S.Malathi /BME								
58.	Ms.S.Gowthami /BME								
59.	Ms.N.Priyatharsanya /BME								

60.	Ms.Ramyadevi /Civil				
61.	Ms.Nagalakshmi Venugopal /CSE	28 th Jun 2013	FDP on "Effective Teaching & Learning Methodologies"	Dawn India Pvt. Limited	Dr.NGP Institute of Technology, Coimbatore
62.	Ms.V.Praveena /CSE				
63.	Ms.C.Vinothini /CSE				
64.	Mr.D.Daniel /CSE				
65.	Mr.M.Ragul Vignesh /CSE				
66.	Mr.A.Dinesh Kumar /CSE				
67.	Ms.K.Mouthami /CSE				
68.	Ms.L.R. Sujithra /CSE				
69.	Ms.A.Suganya /CSE				
70.	Ms.S.Vanitha /CSE				
71.	Ms.R.Nidhya /CSE				
72.	Ms.K.Thamaraiselvi /CSE				
73.	Ms.R.Saranya /CSE				
74.	Ms.N.Nandhini /IT				
75.	Mr.T.Vijayakumar /IT				
76.	Mr.D.Premkumar /IT				
77.	Mr.Mani Deepak Choudhry /IT				
78.	Ms.G.Krithika /IT				
79.	Ms.D.Ramya /IT				
80.	Mr.Parandaman.S /IT				
81.	Mr.Shyam Prakash D /IT				
82.	Ms.M.Archana /IT				
83.	Ms.Kavitha Prabhakaran /S&H				
84.	Ms.L.Kungumadevi /S&H				
85.	Ms.S.Bhuvana /S&H				
86.	Ms.N.Nalini /S&H				
87.	Ms.K.S.Thangamani /S&H				
88.	Ms.K.Lalithamani /S&H				
89.	Ms.A. Senthil Vadivu /S&H				
90.	Ms.R.Jeevitha /S&H				
91.	Dr.J.Kokila /S&H				
92.	Ms.K.S.Nemavathi /MBA				
93.	Mr.R.Rajendra Kumar /MBA				
94.	Mr.M.Murali Krishnan /MBA				
95.	Ms.R.Shobana /MBA				
96.	Mr.M.Duraisamy /MCA				
97.	Ms. J.Kiruthika /MCA				
98.	Ms.S.Shenbaga Priya /MCA				
99.	Mr.E.Silambarasan /IIPC				
100.	Ms.P. Geetha /S&H	26 th Jul 2013	Tamil Nadu state Council for Technical Education, Chennai	-	Anna University, Chennai
101.	Ms.S.Malathi /S&H				
102.	Mr.R.Karthik /ECE	24 th & 25 th Jul 2013	Indian Technology Congress 2013	-	NIMHANS Convention Centre, Bangalore
103.	Mr.K.P.Sai Pradeep /ECE				

104.	Mr.K.Saravanan /EEE	18 th to 20 th Jul 2013	Faculty Enrichment Program	Hope Factory	Dr.NGP Institute of Technology, Coimbatore
105.	Ms.R.Santhiya /EEE				
106.	Mr.M.Thirumalaimuthukumar /Mech				
107.	Mr.R.Vijayakumar /Mech				
108.	Ms.C.SriAkilam /Civil				
109.	Ms.S.Sanchita /Civil				
110.	Mr.S.Krishna Prabhu /ECE				
111.	Mr.S.Shanmuga Raju /ECE				
112.	Ms.K.ThamaraiSelvi /CSE				
113.	Ms.A.Suganya /CSE				
114.	Mr.Mani Deepak Choudhry /IT				
115.	Ms.G.Krithika /IT				
116.	Ms.P.Bala Sundari /S&H				
117.	Mr.S.Sathiyaraj /S&H				
118.	Ms.S.Malathi /S&H				
119.	Ms.R.Mohana Priya /S&H				
120.	Ms.J.Kiruthika /S&H				
121.	Ms.S.Malathi /BME				
122.	Ms.J.Megalatha /MBA				
123.	Mr.R.Karthik /ECE	23 rd Aug 2013	CISCO Networking academy Instructor Conference	-	The Residency, Coimbatore
124.	Mr.K.P.Sai Pradeep /ECE				
125.	Mr.S.Shanmuga Raju /ECE	2 nd Aug 2013	VLSI Design Seminar	National Instruments	Hotel Park Plaza, Coimbatore
126.	Mr.K.P.Sai Pradeep /ECE				
127.	Ms.N.Jayashree /ECE				
128.	Ms. D.Hemapriya /ECE	1 st Aug 2013	Training on LabVIEW & data acquisition	National Instruments	The Residency, Coimbatore
129.	Ms.V.Priyadarshini /ECE				
130.	Dr.S.Mohanavel /MBA	20 th Sep 2013	FDP on Sustainable development and Free Trade	-	PSG College of Technology, Coimbatore
131.	Mr.M.Manoj Kumar /EEE	30 th Sep 2013 to 11 th Oct 2013	FDP Communication skills through language lab	-	NSS College of Engineering, Palakkad
132.	Mr.N.R.Govinthasamy /EEE				
133.	Mr.K.Saravanan /EEE				
134.	Mr.E.Kannapiran /EEE				
135.	Dr.M.Gopinath/EEE				
136.	Mr.N.R.Govinthasamy /EEE	17 th to 19 th Oct 2013	AICTE Sponsored STTP-QIP Course	-	IIT, Chennai
137.	Mr.A.Senthinathan /EEE				
138.	Dr.S.V.Sudha /CSE	5 th Nov 2013	National Commission on Higher Education (RUSA)	-	Dr.NGP Institute of Technology, Coimbatore

139.	Dr. V.Vani /IT	11 th to 15 th Nov 2013	FDP on Instructional Design & Delivery system	National Institute of Technical Teacher's Training and Research (NITTTR)	Dr.NGP Institute of Technology, Coimbatore
140.	Mr.Mani Deepak Choudry /IT				
141.	Ms. D.Ramya /IT				
142.	Ms. G.Krithika /IT				
143.	Ms.Saranya.R /CSE				
144.	Ms.A.Suganya /CSE				
145.	Ms. R.Nidhya /CSE				
146.	Ms.R.S.Ramya /CSE				
147.	Ms.M.Ambika /CSE				
148.	Mr.K.Saravanan /EEE				
149.	Mr.M.Manojkumar /EEE				
150.	Ms.S.Gowthami /BME				
151.	Ms.S.Malathi /BME				
152.	Ms.J.Megalatha /MBA				
153.	Ms.P.Bhuvaneswari /MBA				
154.	Ms. C. Karpagam /MCA				
155.	Mr.K.Sathieshkumar /MCA				
156.	Ms.S.Shenbaga Priya /MCA				
157.	Ms.J.Kiruthika /MCA				
158.	Mr.T.Thiagarajan /MCA				
159.	Mr.C.Nagarajan /MCA				
160.	Mr.G.Ramesh Kumar /Civil				
161.	Ms.S. Sanchita /Civil				
162.	Mr.P.Vinod /Civil				
163.	Mr.S.Venkatesan /Mech				
164.	Mr.N.Senthil Prabhu /Mech				
165.	Mr.V.P.Pradeep /Mech				
166.	Mr.A.Jaganathan /Mech				
167.	Mr.K.Gobinath /Mech				
168.	Mr.Makeesh.C /ECE				
169.	Mr.P.Prabhu /ECE				
170.	Ms.N.Archana /ECE				
171.	Ms.C.Karthika /ECE				
172.	Ms.A.Maheswari /ECE				
173.	Ms.E.Manoranjitham /ECE				
174.	Ms.M.Karthika /ECE				
175.	Ms.Brindha A /ECE				
176.	Ms.K.Girija /S&H				
177.	Ms.A.Thamaraiselvi /S&H				
178.	Ms.S.Uma Priya /S&H				
179.	Ms.R.Mohana Priya /S&H				
180.	Mr.V.Lokesh Kumar /S&H				
181.	Ms.M.Thillairani /ECE	22 nd to 28 th Oct 2013	FDP on Emerging Research	-	PSG College of Technology, Coimbatore
182.	Ms.N.Deepa /ECE				

183.	Ms.C.Kathika /ECE		Avenues in Signal & Image Processing		
184.	Ms.M.Mynavathi /EEE	6 th to 12 th Nov 2013	FDP on Recent trends in Computer Aided Measurements and Control	-	PSG College of Technology, Coimbatore
185.	Ms.M.Priyadhershini /EEE				
186.	Ms.A.Thamaraiselvi /S&H	18 th to 30 th Nov 2013	FDP on Entrepreneurship	-	Kongu Engineering College, Erode
187.	Mr.E.Sivaraman /CSE	17 th to 18 th Dec 2013	FDP on Principles OF Compiler Design	Anna University, Chennai	Anna University, Regional Centre, Coimbatore
188.	Mr.E.Sivaraman /CSE	3 rd to 7 th Dec 2013	FDP on Cloud Infrastructure and Services	ICTACT	Sri Eshwar College of Engineering, pollachi
189.	Mr.A.Dinesh Kumar /CSE				
190.	Ms.M.Priyadhershini /EEE	16 th to 22 nd Dec 2013	FDP on Solid State Drives	-	PSG College of Technology, Coimbatore
191.	Mr.M.Duraisamy /MCA	28 th Dec 2013	FDP on Evaluation and Relative Grading for Non-TEQUIP Institutions	-	PSG College of Technology, Coimbatore
192.	Dr.M.Jagadesh /S&H	28 th Dec 2013	FDP on Evaluation and Relative Grading for Non-TEQUIP Institutions	-	PSG College of Technology, Coimbatore

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

The institution is oriented towards growth and hence regular upgradation, feedback, review and implementation of constructive changes is the norm. The Principal and Heads attend regional summits on higher education organized by CII. They also attend conclaves organized by institutes like ICTACT, NASSCOM etc., where resource persons from top industries and academia share deliberations. A confluence of ideas is shared and the benefits accrued by the attendees.

Teaching faculty benefit from certified training programmes given by CISCO, ORACLE and ICTACT. Non-teaching staff are given skill development training such as 5S Concept-an innovative practice for House-keeping personnel, Energy conservation and Electrical safety, basic communicative English, computers, maintenance, electrical and plumbing work.

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

The institution assesses its faculty through a well structured appraisal system. The Staff Appraisal Form taken periodically gives details of the academic growth of the faculty. The faculty appraisal includes the instructional workload and their performance in each concluded semester. Performance in research activities, professional development activities, publications, achievements, extra, co-curricular and involvement in institute activities are obtained. The HoD observes the preparedness and alertness of the faculty in multiple activities throughout the semester. A feedback taken from the students gives further inputs regarding the effectiveness of the teaching learning methodologies used. All these factors contribute to the faculty appraisal system.

6.3.4. What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

The inputs from the faculty appraisal system, the Principal conveys the faculty performance to the management. Based on the findings, they suggest additional FDPs, training sessions or lectures by experts. The need for updating skills and knowledge database is conveyed top down during meetings.

6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

Various welfare schemes are provided for the benefit of teaching and non-teaching staff in the institution. Sabbatical leave, medical leave, maternity leave, earn leave for administrative staff, fee concession for teaching and non-teaching staffs wards at The NGP School, free transport for non-teaching staff, medical concession at Kovai Medical Centre and Hospital, PF and accident insurance are provided. The salary is directly credited to the employees bank account. Faculty are benefitted with remuneration who handle value added courses and special coaching classes.

All the teaching and non-teaching members are covered under accidental insurance which is made mandatory in the institution. The details of the same are given below.

**TABLE 6.5
ACCIDENTAL INSURANCE**

YEAR	NO. OF STAFF INSURED
2013	261
2012	224
2011	181
2010	160
2009	101

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

The institution provides special privileges for knowledge enrichment and professional growth to attract and retain eminent faculty. It provides ample opportunities and professional growth for such faculty to excel in his field of interest. The institution offers attractive benefits and incentives which is never a constraint for deserving candidates.

6.4 FINANCIAL MANAGEMENT AND RESOURCE MOBILIZATION

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

Efficient finance management is taken care of by an exclusive finance section with duties executed through a fulltime Accounts Manager, Finance Manager and Finance Controller.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

Statutory auditing is done at the end of each financial year. There were no major audit objections in the last audit. The last audit was carried in the year 2012-13.

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

Since the institution is a self financed institution, source of income is only the fee collected from students. For major expenses the Management either avails bank loans or transfers funds from other institutions under its care.

TABLE 6.6
EXPENDITURE STATEMENT OF ACADEMIC AND
ADMINISTRATIVE ACTIVITIES

S. NO	DESCRIPTION	2009-10	2010-11	2011-12	2012-13
1	Building	2,02,29,226	2,68,47,183	1,18,84,787	6,72,39,681
2	Electrical Items (Purchase	68,278	7,76,084	18,56,690	2,05,123
3	Furniture and Fixtures	32,82,516	26,71,189	42,69,889	46,05,185
4	Equipment	13,82,347	62,18,557	64,14,922	62,22,964
5	Computers and Software	90,02,630	39,24,100	43,71,112	53,64,245
6	Repairs and Maintenance	16,19,110	8,42,451	26,26,566	47,19,599
7	Books	8,28,418	13,36,183	19,40,476	13,77,558
8	Printing and Stationery	4,24,929	9,73,295	6,75,724	14,13,922
9	Transport	30,02,848	32,63,108	58,04,035	13,09,599
10	Industry Powered Lab	0.00	17,71,024	6,00,170	1,01,70,119
	TOTAL (Rs)	3,98,40,302	4,86,23,174	40,444,371	10,26,27,995

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

No efforts for additional funding has been made.

6.5. Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

- a. **Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?**
- b. **How many decisions of the IQAC have been approved by the management/ authorities for implementation and how many of them were actually implemented?**
- c. **Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.**
- d. **How do students and alumni contribute to the effective functioning of the IQAC?**
- e. **How does the IQAC communicate and engage staff from different constituents of the institution?**

The IQAC has been formally inaugurated on 14th March 2014 and it monitors the internal quality aspects pertaining to academic, curricular and co-curricular activities for the welfare of the students within the existing academic and administrative systems. The institution has formulated an IQAC comprising of the following committee.

TABLE 6.7.
INTERNAL QUALITY ASSURANCE CELL MEMBERS

Sl.No.	Name	Designation
1	Dr. K.Porkumaran	Principal and Chair Person
2	Dr. F.Mary Magdalene Jane, MCA	Member Secretary
3	Dr. M.Viswanathan, ECE	Member
4	Ms.Nagalakshmi Venugopal, CSE	Member
5	Dr. T.Senthil Vadivel, Civil	Member
6	Ms. J.Karpagam, BME	Member
7	Dr. M.Jagadesh, Physics	Member
8	Industry Representatives	Member
9	Alumni Representative	Member
10	Student Representatives	Member

The IQAC has external members who contribute to the quality enhancement of the institution. The IQAC has proposed to meet every four months and the outcomes of such meetings are communicated to the Teaching and Non-teaching faculty through the concerned departmental meetings. The Management of the institution tracks the activities and evaluates the decisions made by IQAC.

Some of the proposed activities which were discussed in the IQAC meeting are

- An IPR Centre could be established in the campus promoting research and innovation.
- Best projects done by students to be rewarded. Every department to select one best project which will be screened by a Committee and one extraordinary project from each branch would be nominated for awards at the UG and PG levels.
- To give impetus to the PG admissions especially MBA and MCA, an awareness about TANCET examination should be given
- Photo gallery about the institution achievements to be put up.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If ‘yes’, give details on its operationalisation.

Academic Council and Planning and Monitoring Board ensures the quality aspects in academic and administrative activities of the institution. The institution which is ISO 9001:2008 certified has incorporated its procedures into the academic and administrative framework. Academic audits, finance audits and administrative audits are conducted periodically as per ISO norms.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If ‘yes’, give details enumerating its impact.

The institution does provide training to its staff in implementing quality standards. ISO 9001:2008 certification training is given by certified auditors. They in turn orient the faculty in the institution. NAAC training sensitizes faculty about implementation of quality procedures. Regular documentation, assessment and review by the Principal and Heads of the Departments help integrate the procedure into the system.

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If ‘yes’, how are the outcomes used to improve the institutional activities?

The Academic Auditing Cell and ISO 9001:2008 coordinators conduct regular internal audits. External Auditors conduct out on a review of the academic provisions every year. Institutional Stock verification is also carried on regular basis. Improvements in institutional activities are made on the feedback from the external review committee.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies / regulatory authorities?

The institution follows the norms laid down by regulatory authorities like UGC and Anna University. To ensure internal quality ISO 9001:2008 certification has been obtained and systems are maintained according to their norms.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

The effectiveness of the teaching learning process is assessed through

- Tutor-ward meetings conducted before internal tests to assess completion of portions and comprehension of topics.
- Class Committee meetings conducted after the internal tests to assess performance in tests.
- Academic audits conducted by the Academic Auditing cell and ISO 9001:2008 to review execution of teaching-learning process.

- Student feedback taken from students at semester end to understand effectiveness of teaching-learning process.
- Result analysis meeting conducted after University results are announced.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

The Institute's achievements and quality assurance policies are communicated to the stakeholders by various means viz as.,

- Institute website
- Prospectus and Brochures
- Magazines and Newsletters
- Displayed in prominent places in the institute
- Notice Boards
- Library
- At industry-institute meets
- Parent and Alumni meets
- Community engagement activities
- Newspapers.

6.5.8 Any other relevant information regarding Governance Leadership and Management which the college would like to include.

Nil

CRITERION – VII

**INNOVATIONS AND
BEST PRACTICES**

CRITERION – VII

INNOVATIONS AND BEST PRACTICES

7.1 ENVIRONMENT CONSCIOUSNESS

7.1.1 Does the institute conduct a Green audit of its campus and facilities?

Yes, the Institute conducts a green audit on a regular basis. The scenic atmosphere of the campus is landscaped with a lawn area of about 4000 sq.ft., dotted with about 1721 trees of various types such as Azadirachta Indica, Cocos Nucifera, Albizia Saman etc. A reputed news paper in its 11 September 2013 edition, carried a special article appreciating the green cover at Dr NGPIT. An exclusive gardening team takes care of the flora and fauna inside the campus. The Institute takes particular interest in identifying sources that cause environmental degradation. As a conscious effort to protect the delicate balance of the environment, energy saving equipments are used in the institute premises. Renewable energy is tapped through solar powered lamps in the campus. A waste disposable system is in place to ensure that no toxic waste is let out into the surrounding environment thereby causing environmental degradation.

The Institute encourages extension activities related to environment issues among its departments. Awareness programmes are conducted in collaboration with other organizations, to create awareness about the environment, kindle interest in growing a kitchen garden, herbal garden, preserving rare species of plants etc. The institution also engages its students in the distribution of free saplings. The department of EEE organized an IEEE International Conference on “Green Computing, Communication and Electrical Engineering (ICGCCEE’14)” in association with Wayne State University, Detroit, USA, pioneers in the field of hybrid transport technology. The conference with a theme of green energy initiated research in the areas of Green Computing and Communication.

Efforts are also being taken to ensure a Plastic Free Campus by effectively curtailing the usage of plastic. The awareness related to e-waste and its reduction, is achieved through seminars and talks by subject experts at conferences.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

Energy Conservation

- The Institute has established an Environment Awareness Cell to monitor and initiate students and staff into environment related issues
- The cell conducts quiz programmes, seminars, talks, and competitions to propagate among the students and staff, eco –friendly practices
- An awareness programme was organized by the department of EEE on Energy Conservation and Electrical Safety, on 19.09.2013
- The cell was instrumental in introducing CFL lamps and low wattage fluorescent lamps in the college campus
- Instruction labels are pasted at appropriate locations in the campus, constantly reminding users about the importance of energy conservation and reducing wastage.

Use of Renewable Energy

- The Institute has installed solar energy equipments and lights within the college campus to reduce the consumption of energy through non-renewable energy resources
- Solar powered water heaters provide hot water to the students in the boys and girls hostels.

Rain Water Harvesting System

- The Institute has installed a rain water percolation pond on the campus
- The Institute has in place, two rain water harvesting structures in order to increase the water table, as a part of conservation and preservation of natural resource-water.

Efforts for Carbon Neutrality

- The Environmental Awareness Cell conducted an awareness programme about the importance of carbon neutrality and its impact on society
- Initiatives are taken to sensitize students and staff members in utilizing the common transport system in order to reduce the carbon emission
- The institute actively promotes the ideal of vehicle pooling to both staff and students.

Tree Plantation

- The Environment Awareness Cell in association with NSS conducts Tree plantation programmes not only in the premises of the institution but also at nearby schools and villages
- Students are encouraged to participate in environment related activities through various interdepartmental competitions like recycling of waste, Junk arts etc
- The Institute regularly displays on the notice board, updates on recent issues about the Environment, Conservation of Energy and Global warming
- Tree Plantation activities are carried out on a regular basis through various NGOs with the objective of enhancing the green cover and reducing the carbon foot print.

Hazardous Waste Management

The Institution produces only a negligible quantity of hazardous waste. Yet, efforts are on to curtail its spread.

E-Waste Management

Efforts are taken to identify the sources of e-waste in the institution through its effective e-waste management system and it has vendors to dispose the e-waste materials. The concept of reusing e-products has greatly reduced the problem of disposal.

7.2 INNOVATIONS

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

Growing is learning and the unison of learning with the spark of innovation in approaches to curriculum enrichment, student support initiatives, stake holder participation and industry interface creates a sustained learning environment. This coordinated effort endorses the philosophy of commitment behind the Vision, Mission and Objectives of the institution.

1. Faculty Enrichment
2. Innovative Academic Practices
3. Students Support Initiatives
4. Mentorship
5. Stake holders Partnership
6. Industry Alliance and Partnership

7. International Professional Societies and Student Chapters
8. Allied institutional support.

Faculty Enrichment

Apart from regular orientation and faculty empowerment programs, emphasis on new dimensions in instructional delivery mechanisms in collaboration with proven trainers like NITTTR is extended. The Centres of Excellence liaise with leading corporates like Oracle corporation, New Delhi to train the faculty in industry specific courses conducted onsite premises and at the campus.

Faculty Deputation to Educational Conclaves and meets conducted by Confederation of Indian Industries (CII) and ICTACT where one can interface with kingpins from Higher Educational Institutions, industries and NGO's across the country. These summits set the stage for the faculty to gain exposure to issues of contemporary concerns such as educational reforms, technological advancements and helps in redefining the current practices so as to best suit the needs of the stakeholders, in the fora of higher educational system.

Innovative Academic Practices

- To induct students into their core programs, “**Setting-the-Pace**” courses are conducted
- Courses to facilitate merging “**Lateral entry students**” with main stream
- Industry powered laboratories set up to fuel “**Innovative projects**”
- Comprehensive “**web portal**” to facilitate learning beyond classroom-the reiterative process
- “**Centre for E-learning**” stimulates inquisitiveness and promotes independent learning

Students Support Initiatives

As professional education is accessible to all, surveys indicate affordability is a major encumbrance for skilled students. As such, fee waivers and merit scholarships help realize their educational goals. The Institute encourages meritorious students by offering tuition fee waivers.

TABLE 7.1
MERITORIOUS SCHOLARSHIPS

CUT OFF MARKS	SCHOLARSHIPS
190 & above	100 % tuition fee waiver
185-189.99	50 % tuition fee waiver
180-184.99	25% tuition fee waiver

Mentorship

It is reasonable to state that for a large pool of students from diverse economic, geographical and social backgrounds, problems of adjustment is inevitable. The mentor system is pro active in achieving an inclusive paradigm. The mentoring scheme at NGP is tri-polar effectively covering, psycho-social, academic and career issues. A team of Professional counselors, voluntary peer mentors, faculty tutors, industry mentors and placement counselors help create a congenial atmosphere for learning.

Stake holders Partnership

Learning about team culture and gregarious living is essential to the corporate world. The institution ensures the stake holders participation to the fullest. A continuous feedback system from students in terms of Tutor ward meetings, Class committee meetings and end review meetings takes care of the academic concerns. The Parents involvement is ensured through frequent visits as when required, Parents Teacher Meeting's and other updates concerning their wards.

Industry visits and value added courses give them the necessary inputs. The Alumni who visit the institution either as entrepreneurs or as resource persons evince their bonding with the institution.

Thanks Giving Day, an annual feature is a grand reunion of faculty, non teaching staff and their families, along with invitees from sister institutions. Stake holders are also involved in conducting projects, so that social responsibility and mutual camaraderie is fostered.

Industry Alliance and Partnership

Partnering with industries prepares students for real time experience. Industry powered labs provide the technical acumen required to contribute to industry growth. Centres of Excellence initiate the necessary training to both faculty and students to achieve the dynamics and practices of the industry. IIPC oversees the execution of the above, through internships, inplant training

programs industrial projects, consultancy, competency development and entrepreneurship skill development

International Professional Societies and Student Chapters

Professional societies and chapters help establish skills and extend numerous benefits like resource sharing, networking opportunities, mentorship to attend conferences, seminars, webinars, video conference, chapter meetings to stay in tune with industry needs. To capitalize on these opportunities, students associations and various programs organized, enrich students with the concepts and the strategies to pursue industry openings. Refer Table 1.2.

Allied Institutions Support

To be part of a vibrant conglomerate is a special privilege enjoyed by the institution. Be it conferences, workshops academic support, medical support, on call counselors, the benefits accrued by the stakeholders are numerous. Resource sharing, in terms of faculty expertise and infrastructure among the sister institutions are invaluable.

7.3 BEST PRACTICES

7.3.1 Elaborate on any two best practices as per the annexed format which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

7.3.1.1 *Best Practice - I*

Title: Industrial Alliances and Partnerships through Industry Institute Partnership Cell (IIPC) and Centres of Excellence

Goal: The objectives in establishing the cell (IIPC) is to strengthen industry institution interaction so as to enable free consultation, technology up gradation, to orient staff and students to industry practices, trends, culture, with required skills and to assist in undertaking industry projects.

The context: Since there exists a hiatus between curriculum taught and industry requirements, Centres of Excellence have been set up to provide industry certified courses to students and provide hands on training to faculty.

The Practice: Linkages have been created with industries and formal MoUs have been signed. Industry powered laboratories have been established.

INDUSTRY INSTITUTE PARTNERSHIP CELL (IIPC)

The Industry Institute Partnership Cell (IIPC) was established on 06.07.2011 with a grant of Rs.9,96,000 obtained from the All India Council for Technical Education (AICTE), New Delhi. The maximum limit of grant-in-aid is Rs.5.0 Lakhs as onetime non-recurring grant and Rs.4.96 Lakhs as recurring grant for a maximum period of 5 years subject to satisfactory performance.

The Cell is constituted with an advisory board comprising members from corporate and Academia with the Principal as the chief coordinator.

Mr. R.Varadaraj

Whole Time Director

Raj Shree Sugars and Chemicals, Coimbatore.

Mr. J.Visweswaran

Academic Technical Consultant

National Instruments, Bangalore.

Mr. S.Arulselvan

Print Architect

Novell Software Technologies (India) Pvt. Ltd.,
Bangalore.

Mr. D.Rajkumar

Regional General Manager – Circulation

The Hindu, Coimbatore.

Dr. G.Sainarayanan

Sr. Technical Specialist

HCL Technologies Ltd., Chennai.

Dr. Rajeev Sukumaran

Sr. Research consultant,

Wipro Technologies, Chennai.

Dr. N.Selvaganesan

Head-Avionics

Indian Institute of Space Science and Technology,
Thiruvananthapuram.

Mr. R.Karthikeyan

Chief Operations Officer

TECLEVER Solutions Pvt. Ltd., Bangalore.

Mr. A.Ramesh,

Process Group Manager

Robert BOSCH Engineering and Business solutions Ltd.
Coimbatore.

Internships and Factory Visits

The Cell has facilitated signing up MoUs with various industries, corporates and associations through which it provides industry specific training, and internships to the students.

The purpose of this venture is to create a freeway for exchange of knowledge and technical knowhow between academia and industry. The Cell enables free consultation and diffusion of information on new technology. It has senior faculty as members to represent their respective branches. The cell also helps students to undertake projects in the industries. Students are assisted in taking up internships during their semester breaks and factory visits.

Industrial Projects

Students take up industrial projects for a semester during their final year of study. IIPC, with the support of the MoU partners and advisory board members, assist students in taking up projects in reputed industries in and out of the state.

Inplant Training (Summer & Winter) Programme

Inplant Training (Summer & Winter) is organized by IIPC for the benefit of engineering students. Over 500 students comprising all branches of engineering streams are benefitted by the training.

**TABLE 7.2
INTERNSHIPS AND FACTORY VISITS**

S.NO.	INDUSTRY NAME & ADDRESS	DATE	DURATION	NO. OF STUDENTS
1	SIEMENS Ltd., Thane Belapur Road, Thane, Mumbai	15.06.2011-17.06.2011	3 Days	17
2	VARSHA Cables Pvt Ltd., Bangalore	25.08.2011-27.08.2011	3 Days	50
3	CISCO Systems(India) Pvt.Ltd., Bangalore	23.09.2011	1 Day	55
4	SUGUNA Mills (Pvt) Ltd, Coimbatore	24.02.2012	1 Day	60

5	REGEN POWERTECH (Pvt) Ltd, Udumalpet	30.03.2012-31.03.2012	2 Days	100
6	“SIEMENS Ltd ”, Thane	13.08.2012 to 13.09.2012	1 Month	3
7	“SIEMENS Ltd ”, Chennai.	13.08.2012 to 07.09.2012	26 Days	3
8	ACC Cements (P) Ltd, Madukkari - Coimbatore	06.12.2012 - 07.12.2012	2 Days	120
9	TWAD Board Pillur Water	01.02.2013	1Day	68
10	Radio Astronomy Center, Udhagamandalam,	12.02.2013	1 Day	64
11	Kerala Electrical & Allied Engg. Co.Ltd (Kel)	16.03.2013	2 Days	122
12	Cisco – Bangalore	19.04.2013	1 Day	64
13	Hyundai Motor India, Chennai	01.04.2013 to 31.05.2013	2 Months	2
14	Alphacraft Private Limited, Coimbatore	23.7.2013	1 Day	74
15	CPC (P) Ltd, Coimbatore.	02.08.2013	1 Day	144
16	Lakshmi Machine Works Ltd, Coimbatore	10.09.2013	1 Day	71
17	Salem Steel Plant, Salem	17.08.2013	1 Day	140
18	Swelect Energy Systems, Coimbatore	22.07.2013	1 Day	68
19	JVS Electronics Pvt Ltd, Bangalore	23.08.2013-25.08.2013	3 Days	55
20	JVS Electronics Pvt Ltd, Bangalore	23.08.2013-25.08.2013	3 Days	50
21	V- Guard Electricals, Bangalore	23.08.2013-25.08.2013	3 Days	55
22	V- Guard Electricals, Bangalore	23.08.2013-25.08.2013	3 Days	50

TABLE 7.3**INPLANT TRAINING ORGANIZED BY IIPC**

DEPT.	PERIOD	NO. OF STUDENTS ATTENDED	NAME OF THE INDUSTRIES
EEE	09.05.2011- 17.06.2011	97	1. SIEMENS Ltd. 2. National Instruments 3. Wipro Technologies 4. Hyundai Motors 5. Ramco Systems 6. TCS
EEE	30.05.2012- 22.06.2012	35	7. CISCO 8. ACC Cements 9. BHEL, Ranipet 10. DRDO
ECE	07.05.2011- 26.06.2011	79	11. Gemini Communications 12. Numeric Power Systems 13. Ashok Leyland 14. Radio Astronomy Center 15. Salem Steel Plant 16. V- Guard Electricals 17. Power Grid, Udumalpet. 18. Lakshmi Electrical Control Systems Ltd, Coimbatore.
ECE	28.05.2012- 28.06.2012	33	19. Transformers & Electrical Kerala Ltd. Kerala. 20. Madakkathara Power Station, Kerala. 21. CRI Pumps Pvt Ltd, Coimbatore. 22. Hindustan Photo Flims, Ootacamud, 23. Tamilnadu Generation &Distribution Corporation Ltd
IT	05.05.2011- 10.06.2011	61	24. Bharath Sanchar Nigam Ltd, 25. ITI Limited- Palakkad, 26. Kaashiv Infotech- Chennai. 27. Systech Automation Systems, Pune 28. Vee Eee Technologies Solutions Pvt Ltd, Chennai
IT	11.06.2012- 29.06.2012	44	29. All India Radio, Kannur 30. BPL Telecom, Palakkad 31. HCL-Chennai, 32. Fluid Control Research Institute- Kerala,
MECH.	09.05.2011- 21.06.2011	54	33. NPCC(National Petroleum Construction Company)- Abu Dhabi 34. COINDIA Modern Tool Room- Coimbatore, 35. Avida Mednet Pvt.Ltd-Trivandram. 36. Regional Telecom Training Center(BSNL)- Chennai,

MECH.	25.05.2012- 30.06.2012	47	37. Million I Technology-Chennai, 38. U.N.I.Q Technologies-Chennai, 39. Nexus Global Solutions-Coimbatore, 40. Nitta Gelatin India Limited-Cochin 41. S & T Loco Shed, Ernakulam 42. TVS Indoshell 43. Mehala Machinery Pvt Ltd, Coimbatore
CSE	03.05.2011- 04.06.2011	51	44. Dynamatic Tech Ltd,Chennai 45. Co-Op Tea Factory,Kundah 46. Tuticorin Thermal Power Station- Tuticorin, 47. Dynaspede Intergrated Systems Private Limited- Hosur
CSE	03.05.2012- 04.06.2012	23	48. Flow Link Systems(P) Ltd- Coimbatore, 49. Sparkind Plast-Coimbatore, 50. Greenstar Fertilizers Limited- Tuticorin. 51. KG Information Systems Private Limited, Coimbatore 52. Hindustan Software Limited, Chennai

The following Centres of Excellence are established in association with various reputed organizations and research labs with the intention of providing opportunities for all at Dr. N.G.P Institute of Technology so as to obtain individualized and intellectual training that enhances the teaching effectiveness and student learning.

Centres of Excellence

- Oracle workforce Development Center
- Oracle Academy for staff and students
- National Instruments LabVIEW Academy
- Cisco Networking Academy
- SAP Universal Academy
- IBM Career Education
- IBM Software Centre of Excellence
- Texas Instruments Centre for Excellence

This apart, the institution is the member of the ICT Academy Tamil Nadu and has also partnered with the Wipro Mission10X to provide faculty with empowered programs.

The Centres of Excellence provides training to the students in the areas of Embedded System, Networking, CAD, Training, Database Management Systems, Micro Controller, Digital Signal Processors, LABVIEW, PLC SCADA, VLSI, SPSS, CNC Programming, .NET, Cloud

Computing, CFD, STAA, Java, Non Destructive Testing, and other required tools to work out the possible solutions to the complicated engineering problems. They also provide support to staff members and students to enable them to secure CCNA and CLAD certifications. Refer Table 1.3.

Functions of the IIPC and Centres of Excellence

The IIPC and the Centres of Excellence have been formed not only to create close links between Industry and Institute by conducting interaction programs to prepare students for placement but also to enhance their application skills related to various engineering and management theories.

Activities

- Expert talks to enable students to imbibe the current industrial practices
- Internship and factory visits
- Technical Festivals / Exhibition / Student Competitions
- Competency Development / Personality Development Programmes
- Consultancy/ Research work to be done by the Students under supervision of experts from Industry
- Industrial Projects
- Inplant Training (Summer & Winter)
- Seminars
- Conducting Technical Quiz Programme
- HR Summits
- Guidance to students to attend various project competitions

Evidences of Success

- Students received industry specific training. Details in Table 1.3
- Students are placed in industries where the tools are used
- Industrial visits and Induction programmes organized by these centers motivated the students
- Students received prestigious awards. Details exemplified in Table 5.3
- Received grants from leading organizations and research centers like ICTACT, IEEE, NI, IIT-Karagpur, MOTOROLA

Problems Encountered and Resources Required:

Constant motivation is required to enable the students to participate in the programs conducted by these establishments and to manage time between regular academic schedule and industry interface programs.

7.3.1.2

Best Practice - II

Title: Faculty Empowerment

Goal: To enhance faculty effectiveness and help fulfill academic responsibilities by Continual faculty development activities

The context:

Challenges encountered in professional training as educators needs orienting new faculty into the academic culture of the institution and recharging existing faculty. A Faculty Development Council has been established to plan and organize effective programs.

The Practice:

Faculty development programs organized which are funded by the management and external agencies. Faculty are encouraged to participate in FDPs to academically enrich themselves. Details exemplified in 2.4.3

- Wipro Mission10X
- NITTTR – FDP

Orientation programs for newly inducted staff

- Principal and Heads of Departments
- Academic experts from reputed institutions

Deputed faculty to development programs conducted by other institutes

- Summer and winter school FDPs at University
- Other institutions and agencies(ICTACT)

Sponsored for industry Certified trainer Program

- Oracle certified trainer
- Cisco certified trainer

Domain Specific Training by MoU Partners

- Texas Instruments
- Oracle Corporation

Deputation to Conferences/Seminars/Workshops

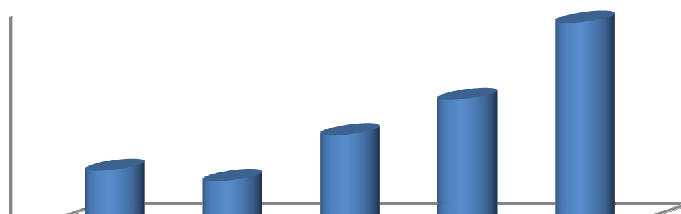
- National
- International

Assistive Teaching material at Centre for E-learning

- NPTEL
- EKLA VYA TECHNOLOGY CHANNEL

Evidences of Success:

- Participants reported positive changes in attitudes toward faculty development and teaching.
- Changes in teaching behavior were detected by students and reported.
- The students' performance and the increase in number of University rank holders
- Awards won by students with faculty advisor has increased



Problems Encountered and Resources Required:

- The faculty development programs are organized without compromising the regular academic schedule and have to be conducted beyond the working hours of the college and during vacations.
- The management funds all the development programs and acquisition of funds from external agencies is a challenge.

Contact Details

Name of the Principal	: Dr. K.Porkumaran
Name of the Institution	: Dr. N.G.P. Institute of Technology
City	: Coimbatore
Pin Code	: 641 048
Accredited Status	: Yet to be accredited
Work Phone	: 0422 2369102
Website	: www.drngpit.ac.in
E-mail	: info@drngpit.ac.in , principal@drngpit.ac.in
Mobile	: +91 98941 01804

**EVALUATIVE REPORT
OF THE
DEPARTMENTS**

BIOMEDICAL ENGINEERING

1. Name of the Department : **BIOMEDICAL ENGINEERING**

2. Year of Establishment : **2012**

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Name of Course	Year of establishment	Sanctioned strength
B.E	2012	60

4. Names of Interdisciplinary courses and the departments / units involved

- Department of Science and Humanities
Transforms and Partial Differential Equations.
Probability and Random Processes
- Department of Electronics and Communication Engineering
Analog and Digital Communication, Signals and Systems
- Department of Medical Physics, Dr.NGP Arts and Science College
Medical Physics
- Department of Biochemistry, Dr. NGP Arts and Science College
Biochemistry

5. Annual / semester / choice based credit system (programme wise)
Semester system

6. Participation of the dept. in the courses offered by other departments

- Department of Science and Humanities
Circuit Theory
Electronic Devices and Circuits

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

Value Added Course Detail with MoU*

S. No.	Industry / Institute collaboration	Name of the Course	Year of Signing MoU
1	Dr.NGP Arts and Science College	Biochemistry	2013
2	KMCH College of Pharmacy	Human Anatomy and Physiology	2013
3	Kovai Medical Center and Hospital	Microbiology	2013

8. Details of courses/programmes discontinued
(if any) with reasons

: NIL

9. Number of Teaching posts

	Sanctioned	Filled
Professors	1	-
Associate Professors	1	1
Assistant Professors	2	3

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Ms. J.Karpagam	M.E., (Ph.D.)	Associate Prof & HoD	Power Electronics and Drives	15.2	-
Ms. D.Hemapriya	M.E.	Assistant Professor	Applied Electronics	5.9	-
Ms. S.Malathi	M.Tech.	Assistant Professor	Biomedical Instrumentation	2.5	-
Ms. S.Gowthami	M.E.	Assistant Professor	Applied Electronics	1.11	-

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : NIL

13. Student -Teacher Ratio (programme wise)

S.No.	Program / Course	Total number of Faculty	Total number of Students	Faculty : Student Ratio
1	B.E.	4	58	1:14

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Academic support staff (Technical)	1	1
Administrative staff	NIL	

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D./ M.Phil./PG.
Ph.D.- NIL PG - 4

16. Number of faculty with ongoing projects from
a) National b) International funding agencies
and grants received : NIL
17. Departmental projects funded by DST-FIST;
UGC, DBT, ICSSR, etc. and total grants received : NIL
18. Research Centre /facility recognized by
the University : NIL
19. Publications:
- a) Publication per faculty
- Number of papers published in peer reviewed
journals (national / international)
by faculty and students : 5
 - Number of publications listed in International
Database (For Eg: Web of Science, Scopus,
Humanities International Complete,
Dare Database - International Social Sciences
Directory, EBSCO host, etc.) : NIL
 - Monographs : NIL
 - Chapter in Books : NIL
 - Books Edited : NIL
 - Books with ISBN/ISSN numbers with
details of publishers : NIL
 - Citation Index : NIL
 - SNIP : 2
 - SJR : 2
 - Impact factor : 2
 - h-index : NIL
20. Areas of consultancy and income generated : NIL
21. Faculty as members in
- a) National committees : NIL
 - b) International Committees : NIL
 - c) Editorial Boards : NIL
22. Student projects
- a) Percentage of students who have done
in-house projects including inter
departmental / programme : NIL
 - b) Percentage of students placed for projects in
organizations outside the institution i.e.in
Research laboratories/Industry/other agencies : NIL

23. Awards/ Recognitions received by faculty and students

Faculty : NIL
Students : 06

24. List of eminent academicians and scientists / visitors to the department

1. Mr. S.Benedict Biju, M/s. Pricol Medical Systems (P) Ltd, Coimbatore.
2. Dr. K. S.Vijaya, Sri Ramakrishna Engineering College, Coimbatore.
3. Mr. K. Balasubramaniam, M/s. Sam Enterprises, Coimbatore.
4. Mr. V. Pragadeeswaran, M/s. Aries Biomed Technologies, Coimbatore.

25. Seminars/ Conferences/Workshops organized & the source of funding : NIL

26. Student profile programme/course wise:

Name of the Course / programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.E. / BME	-	-	16	42	NA

M=Male F=Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.E. BME (2012-2016)	79.3%	20.6%	-
B.E. BME (2013- 2017)	90.9%	9.09%	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? : NA

29. Student progression (Year wise)

Student progression	Against % enrolled
UG to PG	NA
PG to M.Phil.	
PG to Ph.D.	
Ph.D. to Post-Doctoral	
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library (Department)
 - Number of books : 128
 - Number of journals : 6
 - Others : 4
- b) Internet facilities for Staff & Students
 - Wired : Yes
 - Wi- Fi : Yes
- c) Class rooms with ICT facility : Yes
- d) Laboratories

Name of the Laboratory	Total Equipment Cost (in Rs.)
1. Biochemistry and Human Physiology Lab	4,02,403
2. Pathology and Microbiology Lab	

31. Number of students receiving financial assistance from college, university, government or other agencies

Total Count : 42

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

S. No.	Year	Name of the Programme	Number of students benefited
1	2013	Guest Lecture -Insight and scope of Biomedical Engineering	58
2	2013	Guest Lecture - Recent trends in stem cell therapy and Biochemistry	58
3	2014	Guest Lecture - Biomedical Engineering- evolution, current trends and near future	58
4	2014	Special Lecture I – Microbiology	58
5	2014	Special Lecture II – Microbiology	58
6	2014	Guest Lecture - Current trends in Biomedical Engineering	58
7	2014	IEEE Conference – Film less Imaging System for Diagnosis, Impact on environment with modern manufacturing system	58

33. Teaching methods adopted to improve student learning

- Technical Seminars
- Hospital Training
- Assignments
- Tutorial Hours engaged by two faculty members
- Industrial visits

34. Participation in Institutional Social Responsibility (ISR) and Extension activities
- Waste Water Treatment programme using Effective Microorganisms (EM-I) at Dr. NGPIT, Coimbatore, 2014
 - Health Awareness Programme was conducted at Ambedhkar Nagar, Coimbatore, 2014.
35. SWOC analysis of the department and Future plans
- Strength:
 1. Hands on clinical training and periodical visit to KMCH.
 2. Special Lecturer series by resource persons from sister concerns and Hospital
 3. Fully equipped State of Art equipment in Biomedical Instrumentation, Diagnostics and Therapeutic equipment laboratory
 - Weakness:
 1. Lack of funding and grants from funding agencies.
 2. Lack of Consultancy work
 - Opportunities:
 1. To conduct Value Added Courses related to Medical Imaging systems in Hospitals
 2. To design novel systems and treatments that will advance the quality of human life.
 3. Training the students for higher education and research.
 - Challenges:
 1. Minimal Research and Development centers in India
 2. Design of computer model to develop the next generation of disease fighting drugs.
 3. Application of Nano Robotic Technology for diagnosis and treatment.
 - Future Plan:
 1. To establish specialized Post Graduate course in the field of Biomedical Engineering
 2. To set up Center of Excellence in Physiological data acquisition and Bio signal processing.
 3. To obtain grants from government research organizations such as ICMR, DBT, DRDO etc for advanced research activities.
 4. To Establish TIFAC core centre
 5. To initiate steps for biomedical related patents

CIVIL ENGINEERING

1. Name of the department : **CIVIL ENGINEERING**

2. Year of Establishment : **2011**

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Name of course	Year of establishment	Sanctioned strength
B.E	2011	60

4. Names of Interdisciplinary courses and the departments/units involved

- Department of Science and Humanities
Transforms and Partial Differential Equations
Numerical Methods
Communication Skills Laboratory

5. Annual / semester / choice based credit system (Programme wise)

Semester System

6. Participation of the department in the courses offered by other departments

- Department of Science and Humanities
Engineering Graphics
Engineering Mechanics
Engineering Practices Laboratory
Department of Science and Humanities
Basic Civil and Mechanical Engineering

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

Value Added Course Detail with MoU*

S. No.	Industry / Institute collaboration	Name of the Course	Year of Signing MoU
1.	CADD Centre, Coimbatore	AutoCAD	2012
2.	C-Cube Technologies, Coimbatore	Revit Architecture	2013

8. Details of courses / programmes discontinued (if any) with reasons

: NIL

9. Number of Teaching posts

	Sanctioned	Filled
Professors	1	1
Associate Professors	1	-
Assistant Professors	7	7

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. T.Senthil Vadivel	M.Tech., M.B.A., Ph.D.	Professor & Head	Construction Engineering & Management	13.11	NIL
Ms. K.Kavitha	M.E., (Ph.D.)	Assistant Professor	Structural Engineering	7.11	NIL
Mr. K.MarutiVenkatesh	M.E.,	Assistant Professor	Environmental Engineering	6.10	NIL
Ms. C.Sri Akilam	M.E., (Ph.D.)	Assistant Professor	Environmental Engineering	5.10	NIL
Mr. M.Senthil Rajan	M.E., (Ph.D.)	Assistant Professor	Environmental Engineering	5	NIL
Mr. G.RameshKumar	M.E.,	Assistant Professor	Structural Engineering	0.10	NIL
Ms. S.Sanchita	M.E.	Assistant Professor	Environmental Engineering	0.10	NIL
Mr. P.Vinod	B.E., (M.E.)	Assistant Professor	Structural Engineering	3.9	NIL

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : NIL

13. Student -Teacher Ratio (programme wise)

S. No.	Program / Course	Total number of Faculty	Total number of Students	Faculty : Student Ratio
1.	B.E. Civil Engineering (2012-2013)	7	66	1:9
2.	B.E. Civil Engineering (2013-2014)	8	134	1:16

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Academic support staff (Technical)	4	4
Administrative staff	1	1

15. Qualifications of teaching faculty with DSC / D.Litt/Ph.D/MPhil/PG.
Ph.D. - 1 PG – 6 UG -1

16. Number of faculty with ongoing projects from
 a) National b) International funding agencies
 and grants received : NIL
17. Departmental projects funded by DST-FIST;
 UGC, DBT, ICSSR, etc. and total grants received : NIL
18. Research Centre /facility recognized by the University: NIL
19. Publications:
- a) Publication per faculty
- Number of papers published in peer reviewed journals
 (national / international) by faculty and students :13
 - Number of publications listed in International
 Database (For Eg: Web of Science, Scopus, Humanities International
 Complete, Dare Database - International Social Sciences Directory,
 EBSCO host, etc.) : NIL
 - Monographs : NIL
 - Chapter in Books : NIL
 - Books Edited : NIL
 - Books with ISBN/ISSN numbers
 with details of publishers : NIL
 - Citation Index : NIL
 - SNIP : 3
 - SJR : NIL
 - Impact factor : 4
 - H-index : NIL
20. Areas of consultancy and income generated :NIL
21. Faculty as members in
- a) National committees
- Dr. T. Senthil Vadivel,
 Member, Board of Evaluation and Scrutinizing,
 Vinayaga Missions University, Salem
- Member, Board of Evaluation and Question Paper Setting and
 Scrutinizing
- KSR College of Technology, Tiruchengode.
 - KSR College of Engineering, Tiruchengode.
 - Nooru Islam University, Nagercoil
 - Karpagam University, Coimbatore.
- b) International Committees : NIL
- c) Editorial Boards : NIL

22. Student projects
- Percentage of students who have done in-house projects including inter departmental/programme : NIL
 - Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : NIL
23. Awards/ Recognitions received by faculty and students
- Number of Awards received by faculty : 1
Number of Awards received by Students : 18
24. List of eminent academicians and scientists/ visitors to the department
- Dr. R.Sundararajan, Principal, SCAD college of Technology, Palladam
 - Er. Kanna Chockalingam, Consultant, Coimbatore.
 - Dr. E.B.Perumal Pillai, Principal, RMK College of Engineering and Technology, Chennai.
 - Prof. M.Arunchalam, Assistant Professor, KPR Institute of Engineering and Technology, Coimbatore.

25. Seminars / Conferences / Workshops organized & the source of funding

S. No.	Name of the Workshop	Year	National	Source of Funding
1	Two days workshop on Strategies for Advanced Surveying	2013	National	Dr. NGPIT

26. Student profile programmed/course wise:

Name of the Course / programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.E Civil Engineering(2012-2013)	NA	NA	59	7	NA
B.E Civil Engineering(2013-2014)	NA	NA	115	19	NA

M=Male F=Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.E. Civil Engineering (2011-2015)	93.93%	6.07%	-
B.E Civil Engineering (2012-2016)	89.85%	10.15%	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services etc.,? : NA

29. Student progression(Year wise)

Student progression	Against % enrolled
UG to PG	Not Applicable
PG to M.Phil.	Not Applicable
PG to Ph.D.	Not Applicable
Ph.D. to Post-Doctoral	Not Applicable
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	Not Applicable
Entrepreneurship/Self-employment	Not Applicable

30. Details of Infrastructural facilities

- a) Library (Department) Civil Department
 Number of books : 123
 Number of journals : 6
 Others : 5
- e) Internet facilities for Staff & Students
 Wired : Yes
 Wi-Fi : Yes
- c) Class rooms with ICT facility : Yes
- d) Laboratories

S. No	Name of the Laboratory	Total Cost (in Rs.)
1	Fluid Mechanics and Machinery Laboratory	14,04,655
2	Soil Mechanics Laboratory	6,99,851
3	Concrete & Highway Engineering Laboratory	11,53,866
4	Strength of Material Laboratory	11,41,185
5	Environmental Engineering laboratory	9,37,155
6	Survey Laboratory	10,64,087

31. Number of students receiving financial assistance from college, university, government or other agencies : 10

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

S. No.	Year	Name of the Programme	Number of students benefited
1.	2013	Two Days workshop on Strategies for Advanced Surveying	134
2.	2013	Recent advancements in Civil Engineering	134
3.	2013	Personality Development	66

33. Teaching methods adopted to improve student learning
- Demonstration
 - Field Trip
 - Case Studies
 - Panel Discussion
 - Simulation/games
 - Selected readings
 - Workshop practice
 - Lab work
 - Inplant training
 - Role Playing\Seminar
 - Recitation
 - Drill
 - Quiz
 - Practice
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
- Visit to King Kids Home, Ondipudur, Coimbatore, 2014
 - Visit to St.Thomas old age Home, Ramanathapuram, Coimbatore, 2014
35. SWOC analysis of the department and Future plans
- Strength:
 1. Committed Faculty Team
 2. Excellent laboratory Facilities
 - Weakness:
 1. Lack of student publications
 - Opportunities:
 1. To make use of high Career Openings due to infrastructural development and residential township development.
 2. Provide opportunities for consultancy
 - Challenges:
 1. To Motivate student research
 2. To Seek industry funding for projects
 - Future Plan:
 1. To Start PG Course in Civil Engineering
 2. To Set up a research laboratory

**COMPUTER SCIENCE AND
ENGINEERING**

1. Name of the Department : **COMPUTER SCIENCE AND ENGINEERING**
2. Year of Establishment : **2007**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.

Name of course	Year of establishment	Sanctioned strength
B.E.(CSE)	2007	60
M.E.(CSE)	2012	18

4. Names of Interdisciplinary courses and the departments/units involved
 - Department of Science & Humanities
Probability and Queuing Theory, Numerical Methods, Communication Skills Laboratory, Theoretical Foundations of Computer Science, Operations Research, Transforms and Partial Differential Equation, Discrete Mathematics.
 - Department of Electronics & Communication Engineering
Microprocessors and Microcontrollers, Microprocessors Laboratory, Analog and Digital Communication Theory and Laboratory, Digital Principle and System Design, Digital Laboratory.
5. Annual / semester / choice based credit system (programme wise)
Semester System
6. Participation of the department in the courses offered by other departments
 - Department of Electrical and Electronics Engineering
Computer Programming, Computer Practices Laboratory-I, Object Oriented Programming, Computer Architecture, Fundamentals of Computer Programming.
 - Department of Mechanical Engineering
Computer Programming, Computer Practices Laboratory-I, Fundamentals of Computer Programming.
7. Courses in collaboration with other universities, industries, foreign institutions, etc.

Value Added Course Detail with MoU*

S. No.	Industry / Institute collaboration	Name of the Course	Year of Signing MoU
1	IBM India Private limited	Main Frame	2013

2	IBM India Private Limited	<ul style="list-style-type: none"> • Software Testing • Cloud Computing • Advanced Software Foundation • Software Foundation 	2012
3.	Oracle India Private Limited	<ul style="list-style-type: none"> • Oracle 10G ; Introduction to SQL • Oracle 10G : Administrative Workshop 1 	2010

8. Details of courses / programmes discontinued (if any) with reasons : NIL

9. Number of Teaching posts

	Sanctioned	Filled
Professors	UG-1, PG-1	UG-0, PG-0
Associate Professors	UG-2, PG-2	UG-1, PG-1
Assistant Professors	UG-9, PG-0	UG-11, PG-2

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. S.V.Sudha	B.E.,M.E., Ph.D.	Associate Professor and Head	Parallel Computing, Operating Systems, Multi core Architecture	12.9	-
Ms. Nagalakshmi Venugopal	B.E.,M.E., (Ph.D.)	Associate Professor	CAD Algorithm for FPGA , VLSI	17.1	-
Ms.Yamini .C	B.E.,M.E.	Assistant Professor	Programing ,Software Testing	8.6	-
Ms. Anitha.P	B.E., M.Tech., (Ph.D.)	Assistant Professor	Computer networks	7.4	-
Mr. Daniel .D	B.E., M.Tech. (Ph.D.)	Assistant Professor	Distributed System, Cloud Computing	2.10	-
Ms. Vinothini.C	M.E.	Assistant Professor	C, C++, Data Structures	2	-
Ms. Vanitha.S	M.E.	Assistant Professor	Data Structures, Algorithm Analysis	8.4	-
Ms. Nidhya.R	B.E., M.Tech., (Ph.D.)	Assistant Professor	DBMS, Data Structures	4.10	-
Ms. Thamarai Selvi.K	M.E.	Assistant Professor	Automata Theory, Database management systems	4.2	-
Ms. Saranya.R	M.E.	Assistant Professor	DBMS, Artificial Intelligence, Data mining	3.10	-

Mr. A.Dinesh Kumar	M.E.	Assistant Professor	Biocomputing, Image Processing and AI	0.11	-
Ms. R.S.Ramya	B.Tech.,M.E.	Assistant Professor	Web Mining and Semantic Web	0.11	-
Ms. L.R.Sujithra	M.E.	Assistant Professor	Wireless Sensor Networks and Grid Computing	0.11	-
Ms. A.Suganya	B.Tech.,M.E	Assistant Professor	Data mining, Database management system	0.11	-

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : NIL

13. Student -Teacher Ratio (programme wise)

S. No.	Program/Course	Total number of Faculty	Total number of Students	Faculty : Student Ratio
1	B.E. CSE (2008-2009)	5	57	1:11
2	B.E. CSE (2009-2010)	9	119	1:13
3	B.E. CSE (2010-2011)	12	191	1:16
4	B.E. CSE (2011-2012)	12	203	1:17
5	B.E. CSE (2012-2013)	12	204	1:17
6	B.E. CSE (2013-2014)	13	187	1:14
7	M.E. CSE (2012-2013)	3	17	1:6
8	M.E. CSE (2013-2014)	3	31	1:10

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Academic support staff (Technical)	1	1
Administrative staff	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.
Ph.D – 1 PG -14

16. Number of faculty with ongoing projects from
a) National b) International funding agencies and grants received : NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : NIL

18. Research Centre /facility recognized by the University : NIL

19. Publications:

- a) Publication per faculty
- Number of papers published in peer reviewed journals (national / international) by faculty and students : 51
 - Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : 4
 - Monographs : NIL
 - Chapter in Books : NIL
 - Books Edited : NIL
 - Books with ISBN/ISSN numbers with details of publishers : NIL
 - Citation Index : NIL
 - SNIP : 3
 - SJR : 3
 - Impact factor : 3
 - h-index : NIL

20. Areas of consultancy and income generated : NIL

21. Faculty as members in

a) National committees

Dr. S.V. Sudha, Associate Professor & Head/CSE

- Doctoral Committee Member –Anna University Chennai
- Advisory Committee for the 2nd International Conference “Current Trends in Engineering & Technology”, Akshaya College of Engineering and Technology, Coimbatore
- Advisory Committee (Internal) for the IEEE International Conference “Green Computing, Communication And Electrical Engineering”, Dr.N.G.P. Institute of Technology, Coimbatore

b) International Committees : NIL

c) Editorial Boards : NIL

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme

S.No	Academic Year	Percentage
1	2007-2011(UG)	71.93%
2	2008-2012(UG)	100%
3	2009-2013(UG)	100%
4	2010-2014(UG)	94.2%
5	2012-14(PG)	100%

- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies

Batch	2007-2011	2010-2014
Percentage	28.07%	5.8%

23. Awards/ Recognitions received by faculty and students

No of Faculty : 6
No of Students : 15

24. List of eminent academicians and scientists/ visitors to the department

1. Mr. A.M.S.Rajeshkanna, ITARA IT Solutions, Coimbatore.
2. Mr. V.Ramalingham, Vynsis Technologies private Ltd., Pune
3. Dr. Tony Ponniah, Renata Vince Consulting Services Private Limited
4. Mr. Dineshkumar, CTS, Chennai
5. Mr. Shreeram, Tamil Film Industry
6. Mr. Ganesh, IBM
7. Mr. A.Manikandan, Robert Bosch,Coimbatore
8. Dr. E.S. Nehru, JUBAIL University
9. Mr. Ankit Fadia, Consultancy
10. Dr. K.Siva Kumar, Anna University
11. Dr. Mathew Cherian, Kovai Medical Center and Hospital
12. Dr. Jharna Majumdar, NITTE Meenakshi Institute of Technology
13. Prof. Dr. Kay Chen TAN, National University of Singapore
14. Prof. Dr. Subhas Mukhopadhyay, Massey University,
15. Prof. P.Nagabhushan, University of Mysore
16. Mr. Kameswaran Subramanian, Parablu System, Bangalore.
17. Mr. Suresh Kumar S, CTS, Coimbatore
18. Mr. Akash Sheghal, Network Bulls, Gurgaon in association with IIT Delhi
19. Mr. Prabakaran Kuppusamy, Infosys Ltd, Mysore
20. Mr. Ravi Kumar, Mr. Sanjay Kumar, Finland Labs, New Delhi in association with IIT Roorkee
21. Mr. Srikanth, IBM Global Business

25. Seminars/ Conferences/Workshops organized & the source of funding

S.No.	Name of the Seminar/ Conference/Workshop	Year	National / International	Source of Funding
1	Lecture on "Recent Trends in Software Solutions	2010	National	Dr.NGP.IT
2	Work shop on Service Oriented Architecture	2010	National	Dr.NGP.IT
3	National level technical symposium "TECHGNOZIZ'11"	2011	National	Dr.NGP.IT
4	Special Lecture for Students on "Java and.NET"	2011	National	Dr.NGP.IT

5	Infomedia - Latest multimedia technologies	2011	National	Dr.NGP.IT
6	Industry Expectations from new hires	2011	National	Dr.NGP.IT
7	National level technical symposium "TECHGNOZIZ'12"	2012	National	Dr.NGP.IT
8	Ethical Hacking	2012	National	Dr.NGP.IT
9	International Conference on Signal and Image Processing (ICSIP) 2012	2012	International	RAASI Enterprises Purani hospital suppliers
10	Deep Dive into the World of Cloud Computing	2013	National	Dr.NGP.IT
11	National Network Security Championship 2014	2013	National	IIT Delhi and Network Bulls
12	Big data and storage Analytics	2013	National	ISTE
13	Android Application Development	2014	National	IIT Roorke
14	Henosis – National Level Technical Symposium	2014	National	Dr.NGP.IT
15	FDP on Theory of computation	2014	National	Anna University, Chennai

26. Student profile programme / course wise

Name of the Course / programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.E./CSE (2007-11)	-	-	40	17	36%
B.E./CSE (2008-12)	-	-	36	26	68%
B.E./CSE (2009-13)	-	-	31	41	76%

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.E./ CSE	88.77%	11.22%	-
B.E./ CSE	77.41%	22.58%	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

1. TOEFL : 2
2. TANCET : 17

29. Student progression

Student progression	Against % enrolled
UG to PG	10.58%
PG to M.Phil.	-

Student progression	Against % enrolled
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	
2007 – 2011	15.78%
2008 – 2012	29.3%
2009 – 2013	43.05%
• Other than campus recruitment	
2007 – 2011	70.17%
2008 – 2012	59.60%
2009 – 2013	47.22%
Entrepreneurship/Self-employment	1.73%

30. Details of Infrastructural facilities

- a) Library (Department)
Number of books : 226
Number of journals : 52
Others :51
- b) Internet facilities for Staff & Students
Wired : Yes
WiFi : Yes
- c) Class rooms with ICT facility: Yes
- d) Laboratories

S. No.	Name of the Equipment / Machinery	Total Cost (in Rs.)
1	75 systems(Programming Lab I)	18,38,854.00
2	76 systems(Programming Lab II)	25,22,334.38
3	68 systems(Programming Lab III)	17,63,305.00
4	Department systems	86,114.0

31. Number of students receiving financial assistance

from college, university, government or other agencies : 55

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

S. No.	Year	Name of the Programme	Number of students benefited
1	2010	Lecture on Recent Trends in Software Solutions	194
2	2010	Workshop on Service Oriented Architecture	63
3	2011	National level technical symposium "TECHGNOZIZ'11"	194
4	2011	Special Lecture for Students on "Java and.NET"	194
5	2011	Info media - Latest multimedia technologies	202
6	2011	Industry Expectations from new hires	202
7	2012	National level technical symposium "TECHGNOZIZ'12"	202

8	2012	Ethical Hacking	80
9	2012	ICSIP 2012	140
10	2013	Deep Dive into the World of Cloud Computing	218
11	2013	National Network Security Championship 2014	56
12	2014	Android Application Development	74
13	2014	Big data on Cloud Computing	144

33. Teaching methods adopted to improve student learning
- Moodle server
 - ICT Based Teaching
 - Activities based learning
 - Mini Projects
 - Chart works
 - Online test
 - Seminars
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
- Visited Thaa Anbalayam (orphanage), on May 2013- Provided lunch and supported for the purchase of uniforms, school bags t the orphans
 - Visited Ghandhi Managar Govt.High School in association with vidhaipom, October 2013 – provided lunch and supported for school fees to the orphans in association with vidhaipom Charitable Trust.
35. SWOC analysis of the department and Future plans
- Strength:
 1. Well qualified, dedicated, cooperative faculty members.
 2. Good Computing Facilities (Laboratory and Server).
 3. Motivation of students to actively participate in Technical Seminars, Workshops, Symposiums and Conferences.
 - Weakness:
 1. Need to involve more students in industry collaborative research projects.
 2. Need to involve students in internship programs.
 - Opportunities:
 1. To seek research grants from Industry –Institute collaboration.
 2. Scope for Multi-disciplinary Research.
 - Challenges:
 1. Producing more University Ranks.
 2. Securing 80% placement for students.
 - Future Plan:
 1. Setting up of Research Laboratory.
 2. Addition of PG Course in the department of Computer Science and Engineering.

**ELECTRONICS AND
COMMUNICATION ENGINEERING**

1. Name of the Department : **ELECTRONICS AND COMMUNICATION ENGINEERING**
2. Year of Establishment : **2007**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)'

Name of course	Year of establishment	Sanctioned strength
B.E. (ECE)	2007	60
B.E. (ECE)	2008	120
ME (Embedded System Technologies)	2012	18

4. Names of Interdisciplinary courses and the departments/units involved –
 - Department of Science and Humanities
Communication Skills & Personality Development Lab II, Probability & Random Processes, Transforms and Partial Differential Equations, Communication Skills and Personality Development, Applied Mathematics, Applied Mathematics for Electrical Engineers.
 - Department of Electrical and Electronics Engineering
Electrical Engineering, Control Systems, Electrical Engineering & Control Systems Lab.
 - Department of Information Technology
Data Structures, Data Structures Lab, Data Structures & Object Oriented Programming in C++, Data Structures & Object Oriented Programming Lab, Software Technology for Embedded Systems.
 - Department of Mechanical Engineering
Principles of Management.
 - Department of Biomedical Engineering
Design of Embedded Systems.
5. Annual / semester / choice based credit system (programme wise)
Semester system
6. Participation of the department in the courses offered by other departments
 - Department of Information Technology
Engineering Practices Lab, Principles of Communication, Digital Principles and System Design, Digital Lab, Digital Signal Processing, Electric Circuits and Electron Devices, Circuits and Devices Lab, Microprocessors and Microcontrollers, Microprocessors and Microcontrollers Lab, Communication Switching Technique, Signals and Linear Systems.

- Department of Computer Science Engineering
Engineering Practices Lab, Digital Principles and System Design, Analog and Digital Communication, Digital Lab, Electric Circuits and Electron Devices, Circuits and Devices Lab, Digital Signal Processing, Microprocessors and Microcontrollers, Microprocessors and Microcontrollers Lab.
- Department of Electrical and Electronics Engineering
Engineering Practices Lab, Communication Engineering, Linear Integrated Circuits, Linear and Digital Integrated Circuits Lab, Digital Signal Processing, Digital Signal Processing Lab.
- Department of Mechanical Engineering :
Engineering Practices Lab, Electronics and Microprocessors, Electronics and Microprocessors Lab.
- Department of Bio-Medical Engineering :
Electric Circuits and Electron Devices, Circuits and Devices Lab, Engineering Practices Lab, Signals and Systems, Sensors and Measurements, Analog and Digital Communication.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

Value Added Course Detail with MoU*

S. No.	Industry / Institute collaboration	Name of the Course	Year of Signing MoU
1	Siemens Limited	PLC	2011
2	CISCO Systems India Pvt.Ltd.	CISCO-CCNA Network Fundamentals Routing and switching Protocol	2011
3	NI Systems India Pvt. Ltd.	LabVIEW training	2011
4	IBM India Pvt. Ltd.	Advanced software foundation training	2012
5	ThinkLABS Technosolutions Pvt.Ltd.	Embedded system , RTOS training	2012
6	Trident Techlabs Pvt. Ltd.	Analog System design with ASLK 2010 QTY 06 development kit	2013
7	Texas Instruments(India) Pvt. Ltd.	Analog System Design using ASLK	2014
		Embedded system design with MSP-430	
		Hands on DSP C2000	

8. Details of courses/programmes discontinued (if any) with reasons : NIL

9. Number of Teaching posts

	Sanctioned	Filled
Professors	UG :2, PG : 1	UG :1, PG:1
Associate Professors	UG : 4, PG:1	UG:2, PG:1
Assistant Professors	UG:18, PG:1	UG: 22, PG:1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. S.Suresh Kumar	M.E., Ph.D.	Professor & Head	Embedded System, Signal & Image Processing, Power Electronics & Drives	21.1	9
Dr. M.Viswanathan	M.E., Ph.D.	Professor	Electronics	33.5	1
Ms. K.Gayathri Devi	M.E. (Ph.D.)	Associate Professor	Image Processing	15.1	-
Ms. C.Ellammal	M.E. (Ph.D.)	Associate Professor	Wireless Networks	15	-
Ms. K.Kothavari	M.E. (Ph.D.)	Associate Professor	Image processing	13	-
Ms. M.Thillai Rani	M.E. (Ph.D.)	Assistant Professor	VLSI Design Automation	11.9	-
Dr. M.Dhivya	M.E., Ph.D.	Assistant Professor	Embedded and Real Time systems	2.5	-
Mr. P.Mahesh Kumar	M.E.	Assistant Professor	Embedded Systems	12	-
Ms. N.Deepa	M.E.	Assistant Professor	Applied Electronics	9.7	-
Mr. R.Karthik	M.E.	Assistant Professor	Networks, VLSI Design, Wireless Networks	6.7	-
Ms. N.Jayashree	M.E.	Assistant Professor	VLSI Design	6.1	-
Mr. K.P.SaiPradeep	M.E. (Ph.D.)	Assistant Professor	Computer Networks	5.7	-
Mr. S.Shanmugaraju	M.E.	Assistant Professor	VLSI Design, Signal Processing	4.7	-
Ms.J.Rejina Parvin	M.E. (Ph.D.)	Assistant Professor	Wireless Sensor Networks, Computer Networks, DSP	5.1	-
Mr. N.Jeeva	M.E.	Assistant Professor	VLSI Design	5.1	-
Mr. S.Krishna Prabhu	M.E.	Assistant Professor	Automotive Electronics	4.6	-

Ms. S.Jayanthi Sree	M.E.	Assistant Professor	VLSI Design	3.8	-
Ms. V.Sangeetha Poorani	M.E.	Assistant Professor	Applied Electronics	2.10	-
Ms. C.Cynthia	M.E.	Assistant Professor	Communication Systems	2.7	-
Mr. C.Makesh	M.E.	Assistant Professor	Applied Electronics	1.9	-
Mr. P.Prabhu	M.E.	Assistant Professor	RF Antenna Designing	1.11	-
Mr. S.Kannan	M.E.	Assistant Professor	Network on Chip	1.11	-
Ms. N.Archana	M.E.	Assistant Professor	Applied Electronics	1	-
Ms. M.Karthika	M.E.	Assistant Professor	Applied Electronics	1	-
Ms. A.Maheshwari	M.E.	Assistant Professor	Analog VLSI Design, Signal processing	1	-
Ms.E.Manoranjitham	M.E.	Assistant Professor	VLSI Design	1	-
Mr. N.Karthikeyan	M.E.	Assistant Professor	Wireless Communication Systems	1	-
Ms. C.Karthika	M.E.	Assistant Professor	Communication Systems	3.11	-
Ms. A.Brindha	M.E.	Pro Term Lecturer	Communication Systems	2.11	-

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : NIL

13. Student -Teacher Ratio (programme wise)

S.No.	Academic Year	Total number of Faculty	Total number of Students	Faculty : Student Ratio
1.	B.E.(ECE)- (2008-2009)	9	65	1:7
2.	B.E.(ECE)- (2008-2009)	16	197	1:12
3.	B.E.(ECE)- (2008-2009)	23	335	1:15
4.	B.E.(ECE)- (2008-2009)	30	408	1:14
5.	B.E.(ECE)- (2008-2009)	32	425	1:13

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Academic support staff (Technical)	6	6
Administrative staff	1	1

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental / programme -

S.No	Academic Year	Percentage
1	2007-2011(UG)	26.67 %
2	2008-2012(UG)	96.15 %
3	2009-2013(UG)	87.5 %
4	2010-2014(UG)	94.11%
5	2012-2014(PG)	81.48 %

- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : NIL

23. Awards / Recognitions received by faculty and students

Faculty : 1
Students : 62

24. List of eminent academicians and scientists/ visitors to the department

S. No	Name of the Eminent Academicians & Scientists	Institute / Industry
1	Mr. S.Ganesh Kumar	Application Engineer NI Trident Tech
2	Mr. R.Saravana Selvan	Asso Prof - Dept of English & Foreign Language Bharathiar University
3	Dr. R.Prithivaraj	Principal Pondichery Engg. College
4	Prof. Smiles Maccarenhas	Dean - Academic Affairs CIET - Coimbatore
5	Prof. Richard Lai	Latrobe University, Australia
6	Dr. S. Lakshminarayanan	National University of Singapore, Singapore
7	Mr. Sajin George	ThinkLABS, IIT Mumbai.
8	Prof. P.R.Kumar	Professor, Electrical and Computer Engineering University of Illinois, USA
9	Dr. Mylswamy Annadurai	Project Director - Chandrayaan - 1&2, Program Director IRS & SSS, ISRO Satellite Center Bangalore.
10	Mr. A.K.Mohammed Azad	CEO, Reach-Information and Communication Systems Coimbatore
11	Er. J.Visweswaran	Academic Technical Consultant, National Instruments, Bangalore.
12	Mr. Rajesh Puvvada	Assitant Vice President JP Morgan Services India(p) Ltd. Bangalore
13	Mr. N.Uvaraj Rajasekaran	Executive Software Engineer, Aricent Group, Gurgaon.
14	Ms. Ajitha Behgam, IPS Dr. P.Kanagarajan	Battallion Commander – Malapuram Prof - Dept of Political Science- GASC – Coimbatore

15	Mr. Mahendran Varadharajan	Project Manager - FIC Saudi Arabia
16	Mr. S.Sivakumar	M.D. - Sritharan Industries
17	Dr. Kumar Rajamani	GE – Bangalore
18	Dr. Lakshmi Narasimhan	East Carolina University USA
19	Dr. Praveen Vettiyattil	Director, Renewal Energy, IEGC, AL, AIN, UAE
20	Dr. Kalpana	VLSI Design Centre, PSG College of Tech, Coimbatore
21	Dr. Sidhu D Sutharsan Mr. Siva Kumar Palaniappan	Technical Analyst – ABB HR - Robert Bosch
22	Mr. Mayank Rajan	Texas Instruments -University Relations
23	Dr. S.Krishna Kumar	Scientist – DRDO
24	Mr. C.P.Ravikumar	Texas Instruments
25	Mr. Arul Chakravarthi Arjunan	Technical Manager - Sinmat Inc, USA

25. Seminars/ Conferences/Workshops organized & the source of funding

S.No	Name of the Seminar / Conference / Workshops	Year	National / International	Source of Funding
1.	Virtual Instrumentation, Vissim & Tanner EDA	12&13.03.2009	National	Dr.NGP.IT
2.	Practical Electronics & PCB Design	28.10.2009	National	Dr.NGP.IT
3.	4G Multimedia & Networking	06.03.2010	National	Dr.NGP.IT
4.	Electromagnetic Fields	22,23,24.11.2010	National	Dr.NGP.IT
5.	Building Software for Automotive Industry	20.07.2011	National	Dr.NGP.IT
6.	Modelling, Simulation and Control Applications in Medicine	21.07.2011	National	Dr.NGP.IT
7.	Latest Trend in Embedded System	22.07.2011	National	Dr. NGP.IT
8.	Cyber Physical Systems	22.07.2011	National	Dr. NGP.IT
9.	Research - A Guiding Spirit to Mankind	30.07.2011	National	Dr. NGP.IT
10.	Opportunities in Core Industry	05.08.2011	National	Dr. NGP.IT
11.	Graphical System Design in Engineering Education	21.09.2011	National	Dr. NGP.IT
12.	ROBOTRYST 2012	20,21.10.2011	National	Dr. NGP.IT
13.	Living in the Crucible	29.12.2011	National	IETE
14.	Latest Trend in Telecommunication	01.08.2012	National	Dr. NGP.IT
15.	Lab Equipment Testing and Trouble Shooting	08.08.2012	National	Dr. NGP.IT
16.	IAS/IPS Examination Myth or Reality	13.09.2012	National	Dr. NGP.IT
17.	Today's Technology Vs Job Opportunities	24.09.2012	National	Dr. NGP.IT
18.	Automation in Automotive Industry	28.09.2012	National	Dr. NGP.IT

19.	Real life Applications of DIP and Pattern Classification	09.01.2013	National	Dr. NGP.IT
20.	Embedded Computing Systems	30.01.2013	National	Dr. NGP.IT
21.	Two days workshop on DIP	1&2.03.2013	National	Dr. NGP.IT
22.	Two days National level workshop of CMOS	15&16.03.2013	National	Dr. NGP.IT
23.	Ethics In Engineering	14.09.13	National	Dr. NGP.IT
24.	Emerging Areas & Hands on Training in DSP Processors	26&27.09.13	National	IETE
25.	Emerging Areas VLSI & Embedded Systems	04.10.13	National	Dr. NGP.IT
26.	Mobile Phone Technology & Troubleshooting	31.01.14&01.02.14	National	Dr. NGP.IT
27.	Awareness on GATE Exams	07.02.14	National	Dr. NGP.IT
28.	PCB Designing Using ALTIUM Designer EDA Tool	27 & 28.02.14	National	IETE
29.	A Drive To The Future - Talk on Embryonic Engineers	05.03.14	National	Dr. NGP.IT
30.	Emerging Trends in Embedded System & Hands on Training in PIC	27 & 28.03.14	National	IETE

26. Student profile programme/course wise:

Name of the Course / programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.E/ ECE(2010 – 2011)	-	-	43	23	88.3
B.E/ ECE (2011 – 2012)	-	-	92	38	82.72
B.E /ECE(2012 – 2013)	-	-	78	64	64.93

M=Male F=Female

27. Diversity of Students

Name of the Course		% of students from the same state	% of students from other States	% of students from abroad
B.E./ ECE	2007 Batch	22.72	77.27	NIL
B.E./ ECE	2008 Batch	88.05	11.94	NIL
B.E./ ECE	2009 Batch	77.08	22.2	NIL
B.E./ ECE	2010 Batch	85.51	14.48	NIL
B.E./ ECE	2011 Batch	95.68	4.41	NIL
B.E./ ECE	2012 Batch	94.11	5.88	NIL
B.E./ ECE	2013 Batch	98.11	1.88	NIL
M.E.(E.S) (Batch 2012)		88.23	11.76	NIL
M.E.(E.S) (Batch 2013)		100	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. : NIL

29. Student progression (Year wise)

Student Progression	2007 - 2011	2008 - 2012	2009 - 2013	2010 - 2014
	No. of Students (60)	No. of Students (111)	No. of Students (156)	No. of Students (131)
UG to PG	3	11	10	NA
PG to M.Phil.	NA	NA	NA	NA
PG to Ph.D.	NA	NA	NA	NA
Employed				
1.Campus election	13%	76%	81%	13%
2. Other than campus recruitment	67%	18%	13%	46%
Entrepreneurship / Self-employment	11%	3%	3%	NA

30. Details of Infrastructural facilities

a) Library (Department)

Number of books : 427

Journals in Library :

National :17

E-Journal :117

Others : 187

b) Internet facilities for Staff & Students

Wired : Yes

Wi-Fi : Yes

c) Class rooms with ICT facility : Yes

Movable Projector available in the Department.

d) Laboratories

1. Communication Lab - Rs.25,66,094.10/-

2. Electronics and Simulation Lab - Rs.77,84,082.30/-

3. DSP Lab - Rs. 35,70,256.00/-

4. IC Lab - Rs. 10,25,380.50/-

5. VLSI Lab - Rs. 18,60,482.00/-

6. Embedded System Lab and Texas Instruments Lab - Rs.14,95,134.00/-

31. Number of students receiving financial assistance from college, university, government or other agencies – 579 Students.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

S. No	Year	Name of the Seminar / Conference / Workshops	No. of Students Benefited (Approx)
1.	12&13.03.2009	Virtual Instrumentation, Vissim & Tanner EDA	70
2.	28.10.2009	Practical Electronics & PCB Design	120
3.	06.03.2010	4G Multimedia & Networking	70
4.	20.07.2011	Building Software for Automotive Industry	200
5.	21.07.2011	Modelling, Simulation and Control Applications in Medicine	200

6.	22.07.2011	Latest Trend in Embedded System	360
7.	22.07.2011	Cyber Physical Systems	400
8.	30.07.2011	Research - A Guiding Spirit to Mankind	1100
9.	05.08.2011	Opportunities in Core Industry	180
10.	21.09.2011	Graphical System Design in Engineering Education	180
11.	20,21.10.2011	ROBOTRYST 2012	75
12.	29.12.2011	Living in the Crucible	180
13.	01.08.2012	Latest Trend in Telecommunication	120
14.	08.08.2012	Lab Equipments Testing and Trouble Shooting	120
15.	13.09.2012	IAS/IPS Examination Myth or Reality	495
16.	24.09.2012	Today's Technology Vs Job Opportunities	120
17.	28.09.2012	Automation in Automative Industry	120
18.	09.01.2013	Real life Applications of DIP and Pattern Classification	120
19.	30.01.2013	Embedded Computing Systems	120
20.	16.02.2013	National level Technical Symposium	495
21.	1&2.03.2013	Two days workshop on DIP	75
22.	15&16.03.2013	Two days National level workshop of CMOS	40
23.	14.09.13	Ethics In Engineering	495
24.	26&27.09.13	Emerging Areas & Hands on Training in DSP Processors	40
25.	04.10.13	Emerging Areas VLSI & Embedded Systems	120
26.	31.01.14& 01.02.14	Mobile Phone Technology & Troubleshooting	75
27.	07.02.14	Awareness on GATE Exams	135
28.	27 & 28.02.14	PCB Designing Using ALTIUM Designer EDA Tool	126
29.	05.03.14	A Drive To The Future - Talk on Embryonic Engineers	495
30.	27 & 28.03.14	Emerging Trends in Embedded System & Hands on Training in PIC	60

33. Teaching methods adopted to improve student learning :
Mission 10X,NPTEL,Creative Learning Methodologies (CLM),Scientific Learning Methodologies (SLM)
E-Learning Resources: NPTEL, Eklavya technology channel ,
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
- Guest Lecture on "Alcoholism and Adulthood - Health and Social Perspective", 2009
 - Spectronic – Technical competitions for school students, 2010
 - Visit to United Orphanage for the Disabled, 2012
 - Blood Donation, Ganga Medical Center & Hospital (P) ltd, Coimbatore, 2013
 - Independence Day Celebrations, Govt. High School, Narasipuram, 2013
 - Visits to Ashram-Corner Stone, Coimbatore,2013
 - KMCH, Coimbatore, Fund Donation of Rs.25,164/, 2014

- Visit to Government Orphanage Home , Coimbatore, 2014
- Visit to Orphanage, Prabanj Amaithi Ashramam, Karumathampatti, 2014
- Social Awareness programme on “Teens & sexual Harrasment, Govt. Hr. Sec School, Anupparpalayam,Tirupur, 2014
- Visit to Atharavattror Anbu Illam, Peelamedu, 2014
- Health & Environment Awareness Camp for Tribal people, Siruvani Forest Area, Sadivayal , Siruvani, 2014
- Visit to orphanage, The Sevashram Trust , Sadguru Sevadhram, Coimbatore, 2014

35. SWOC analysis of the Department and future plans:

- Strength:
 1. Faculty members with expertise in various areas like Embedded Systems, Image Processing, VLSI, Networking etc
 2. MoU Collaboration with leading Industries
 3. Motivation of students to actively participate in Technical Seminars, Workshops, Symposiums and Conferences.
 4. International Conference on Signal and Image Processing(ICSIP) – with Springer Collaboration was organized
- Weakness:
 1. Promotion of Consultancy Services
 2. Obtaining more funded projects
 3. Initiating International Collaboration for global learning.
- Opportunities:
 1. Research and Consultancy activities with Industry Institute Interaction.
 2. To obtain internship for students in industries and national laboratories.
- Challenges :
 1. Collaboration with foreign universities.
 2. Students with diverse background.
- Future Plan:
 1. To establish Product Design Centers
 2. Promoting consultancy projects with MoU partners
 3. Obtaining more Patents through established R&D centers in the department.

**ELECTRICAL AND
ELECTRONICS ENGINEERING**

1. Name of the Department : **ELECTRICAL AND ELECTRONICS ENGINEERING**

2. Year of Establishment : **2007**

3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Name of course	Year of establishment	Sanctioned strength
B.E (Electrical and Electronics Engineering)	2007	60
M.E (Power Electronics and Drives)	2013	18

4. Names of Interdisciplinary courses and the departments/units involved

- Department of Science and Humanities
Numerical Methods, Transforms and Partial Differential Equations, Applied Mathematics for Electrical Engineers, Communication Skills Lab.
- Department of Computer Science and Engineering
Data Structures and Algorithms, Data Structures and Algorithms Laboratory, Object Oriented Programming, Object Oriented Programming Laboratory, Computer Architecture.
- Department of Master of Business Administration
Total Quality Management, Principles of Management.
- Department of Electronics and Communication Engineering
Digital Signal Processing, Digital Signal Processing Laboratory

5. Annual / semester/choice based credit system (programme wise) :
Semester system

6. Participation of the department in the courses offered by other departments.

- Department of Mechanical Engineering
Basic Electrical and Electronics Engineering, Electric Drives and Control, Electrical Engineering Lab
- Department of Civil Engineering
Basic Electrical and Electronics Engineering
- Department of Electronics and Communication Engineering
Control Systems, Electrical Engineering & Control Systems Lab
- Department of Computer Science and Engineering
Microprocessor and Microcontrollers, Microprocessor and Microcontrollers Lab
- Department of Science and Humanities
- Engineering Practices Lab

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

Value Added Course Detail with MoU*

S.No.	Industry / Institute collaboration	Name of the Course	Year of Signing MoU
1.	Siemens Limited	SIEMENS training on Basics of PLC and SCADA, SIEMENS training on AC and DC Drives.	2011
2.	National Instruments	LabVIEW Core-I,II	2011
3.	Numeric Power Systems Limited	Renewable Energy Projects	2011

8. Details of courses/programmes discontinued (if any) with reasons : NIL

9. Number of Teaching posts

	Sanctioned	Filled
Professors	UG- 1 , PG -1	UG- 1 , PG -1
Associate Professors	UG- 1 , PG -1	UG- 1 , PG -0
Assistant Professors	UG- 12 , PG -1	UG- 12, PG -2

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. K.Porkumaran	M.E.,Ph.D.	Principal & Professor	Control Systems	16.9	12
Dr. V.Kumar Chinnaiyan	M.E.,Ph.D.	Professor & Head	Power Electronics & Drives	14	1
Dr. M.Gopinath	M.E.,Ph.D.	Associate Professor	Power Electronics & Drives	11.8	8
Ms. G.Hemalatha	M.E.	Assistant Professor	Applied Electronics	9.5	-
Ms. A.Senthilnathan	M.E., (Ph.D.)	Assistant Professor	Applied Electronics	9.3	-
Mr. J.Sathish	M.E.	Assistant Professor	Applied Electronics	7.6	-
Mr. K.Saravanan	M.E., (Ph.D.)	Assistant Professor	VLSI Design	4.11	-
Mr. E.Kannapiran	M.E.	Assistant Professor	Power Electronics & Drives	5.8	-
Mr. M.Manojkumar	M.E.	Assistant Professor	Power Electronics & Drives	3.5	-

Mr. N.R.Govinthasamy	M.E., (Ph.D.)	Assistant Professor	Energy Engineering	2.6	-
Ms. C.V.Saranya	M.E.	Assistant Professor	Energy Engineering	2.2	-
Ms. R.Santhiya	M.E.	Assistant Professor	Electrical Drives and Embedded Control	2	-
Ms. M.Mynavathi	M.E.	Assistant Professor	Control and Instrumentation	1.8	-
Ms. R.Suganthi	M.E.	Assistant Professor	Power Electronics & Drives	1.11	-
Ms. M.Priyadhershni	M.E.	Assistant Professor	Power Electronics & Drives	0.8	-
Ms. G.Saranya	M.E.	Assistant Professor	Communication System	4.7	-
Mr. R.Balakrishnan	M.E.	Assistant Professor	Power Electronics & Drives	4	-

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : NIL

13. Student -Teacher Ratio (programme wise)

S. No	Program / Course	Total number of Faculty	Total number of Students	Faculty : Student Ratio
1	B.E. EEE (2013-2014)	15	203	1:14
	B.E. EEE (2012-2013)	12	209	1:17
	B.E. EEE (2011-2012)	11	206	1:18
	B.E. EEE (2010-2011)	10	183	1:18
	B.E. EEE (2009-2010)	6	131	1:22
	B.E. EEE (2008-2009)	4	61	1:15
2	M.E. Power Electronics and Drives-2013-2014	2	8	1:4

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Academic support staff (Technical)	7	7
Administrative staff	1	1

15. Qualifications of teaching faculty with D.Sc/ D.Litt./ Ph.D./ M.Phil./PG.:
Ph.D. – 3 PG -14

16. Number of faculty with ongoing projects from
a) National b) International funding agencies
and grants received National : 9

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received

Scheme	Name of the Coordinator	Amount Sanctioned	Organization
Industry Institute Partnership Cell (IIPC)	Dr. K.Porkumaran	Rs.9,96,000/-	All India Council for Technical Education (AICTE), New Delhi
Student Projects Scheme	Dr. K.Porkumaran Mr. N.Vinothkumar	Rs.10,000/-	Tamil Nadu State council for Science and Technology
Student Projects Scheme	Ms. P.Pradeepa	Rs.7,000/-	Tamil Nadu State council for Science and Technology
Student Projects Scheme	Ms. G.Hemalatha	Rs.10,000/-	Tamil Nadu State council for Science and Technology
Student Projects Scheme	Mr. K.Saravanan	Rs.10,000/-	Tamil Nadu State council for Science and Technology
NI YANTRA (Embedded System Design Contest)	Dr. K.Porkumaran	Rs.50,000/-	National Instruments, Bangalore
Foundation for Advancement of Education and Research	Dr. K.Porkumaran Ms. P. Pradeepa	Rs.7,000/-	Motorola
Students Project Proposals Scheme	Dr. K.Porkumaran & Mr. S.Prabakar	Rs.7,500/-	ICT Academy of Tamil Nadu (ICTACT)
Student Project Funding	Ms. P.Pradeepa	Rs.7,000/-	IEEE Madras Section
Seminar Grant (SG)	Dr. K.Porkumaran Dr. V.Kumar Chinnaiyan	Rs.2,00,000/-	All India Council for Technical Education (AICTE), New Delhi

18. Research Centre /facility recognized by the University :
Waiting for Anna University Approval

19. Publications:

a) Publication per faculty

- Number of papers published in peer reviewed journals (national / international) by faculty and students - 65
- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) - 15

- Monographs - 1
 - Chapter in Books - 5
 - Books Edited - 1
 - Books with ISBN/ISSN numbers with details of publishers - 02
 - Citation Index - 157
 - SNIP - 15
 - SJR - 15
 - Impact factor - 30
 - h-index - 12
20. Areas of consultancy and income generated : NIL
21. Faculty as members in
- a) National committees
- Dr. K.Porkumaran:
1. Chairman, Board of Studies, Sri Ramakrishna Engineering College, 2011
 2. Member, Board of Studies, Karpagam University, Coimbatore, 2010,2011
 3. Member, Question Paper – Review Board, Karunya University, 2010
 4. Member, Academic Council, Sri Ramakrishna Engineering College, 2010
 5. Member, Governing Council, Dr. NGP Institute of Technology, Coimbatore, 2010- 2011
 6. Member, Nurturing Innovation, Creativity in Engineering Education Committee(NICE)
 7. Review Member, ICT Academy of Tamil Nadu Student Project Scheme, ICTACT Chennai
 8. Member(University Nominee), Board of Studies, Kumaraguru College of Technology Coimbatore
 9. Member, (University Nominee) Board of Studies, Sri Ramakrishna Engineering College, Coimbatore
 10. Convener, Board of Studies [EEE], Anna University of Technology, Coimbatore
 11. Doctoral Committee member for Anna University Chennai, Anna University Coimbatore, Anna University of Technology, Tirunelveli, SRM University, Karunya University
 12. Chief Editor, Dr. NGP Times, Dr. NGP Institute of Technology, 2010, 2011& 2012
 13. Member(Special Invitee), Board of Studies, PSG College of Technology, Coimbatore, 2012
 14. Member(University Nominee), Board of Studies, Sri Ramakrishna Engineering College(Autonomous), Coimbatore, 2013
 15. Member, Syllabus Committee, Faculty of Electrical Engineering, Anna University, Chennai , 2013
 16. Chief Superintend – TANCET 2013
 17. Presiding Officer – GATE 2014, IIT Madras

18. Member, Research Inspection Committee, Anna University, Chennai.
19. Technical Expert Member, Ph.D. Viva Voce, Anna University
20. Examiner, Ph.D. Viva Voce, Tamil Nadu Physical Education and Sports University
21. Examiner, Ph. D Viva Voce, Annamalai University

Dr. V.Kumar Chinnaiyan:

1. Anna University-Chennai, Member of Syllabus Sub Committee in the faculty of Electrical Engineering for PG Studies.
2. Doctoral Committee member for Ph.D. programmes under Anna University-Chennai
3. Organizing chair International Conference on Green Computing , Communication and Electrical Engineering (ICGCCEE'14)

b) International Committees

Dr. K.Porkumaran:

1. Proctor, IEEE Xtreme Programming Competition 2011, IEEE, USA
2. Proctor, IEEE Xtreme Programming Competition 2012, IEEE, USA
3. Proctor, IEEE Xtreme Programming Competition 2013, IEEE, USA

c) Editorial Boards

Dr. K.Porkumaran:

1. International Journal of Automation and Control (IJAAC), Inderscience Publishers, UK
2. International Journal of Power Electronics (IJPELEC), Inderscience Publishers, UK
3. Transactions of Institute of Measurement and Control, SAGE
4. ICTACT Journal on Image and Video Processing
5. International Journal of Automation and Computing, IJAC, Springer
6. International Journal: BMC Gastroenterology, impact factor -2.47, UK
7. Int. J. Bio-Inspired Computation, Inderscience Publishers, UK
8. BMC Medical Imaging Journal, Bio Med Central, UK
9. EURASIP Journal on Image and Video Processing, Springer Open Journal, Heidelberg Germany
10. EURASIP Journal on Advances in Signal Processing, Springer Open Journal, Heidelberg Germany
11. Karunya Journal of Research, India
12. International Journal of Communication systems, John wiley & Sons, Inc
13. International Journal of Information and Communication Technology Journal (IJICT), Inderscience Publishers
14. Journal of electrical and electronics engineering Research, UK
15. Journal of electrical engineering and Technology, Korea
16. International Journal of Chemical Product and Process Modeling, Iran
17. Journal of Endocrinological Investigation, USA
18. Journal Neural Computing and Applications, Springer
19. International Journal of Modeling, Identification and Control, Inderscience Publishers, UK

20. Int. J. of Information and Communication Technology, Inderscience Publishers, UK
21. Journal of Endocrinological Investigation, Europe, 2014
22. International Journal of Applied Science and Engineering, 2013, Taiwan
23. Journal of Neural Computing and applications, Springer, 2014
24. International Journal of Modelling, Identification and Control, Inderscience Publishers, UK, 2013,
25. International Journal of Power Electronics, Inderscience Publishers, UK, 2013,
26. International Journal of Engineering Systems Modeling and Simulation (IJESMS), Inderscience Publishers, UK, 2013,
27. International Journal of Applied Science and Engineering, Taiwan 2014.
28. International Journal of Information and Communication Technology, Inderscience Publishers, UK, 2013,
29. Journal of Electrical Engineering & Technology, Korea
30. International Journal of Modelling, Identification and Control, Inderscience Publishers, UK, 2013,
31. Proceedings of AICTE, DRDO and ISRO sponsored National Conference on “Emerging Trends in Instrumentation Systems “NCETIS’06, Allied Publishers Pvt. Ltd, New Delhi [ISBN: 81 – 7764 -941 -8], 2006.
32. Proceedings of AICTE, DRDO, CSIR and ISRO sponsored National Conference on “Adaptive Sensors and Intelligent Systems-NCASIS”, Pee Vee Publishers Pvt. Ltd [ISBN: 81 – 8998773 -9], 2008
33. ICTACT Journal of Soft Computing [ISBN: 81 – 7764 -941 -8].
34. ICACT Transactions on the advanced Communication Technology, Korea.
35. 15th International Conference on Advanced Communication Technology ICAT ‘13, Pyeongchang, Korea, 27 to 30 Jan 2013.

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme

Batch	2007-2011	2008-2012	2009-2013	2010-2014
Percentage	31.25 %	33.33%	50%	77.77%

- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies

Batch	2007-2011	2008-2012	2009-2013	2010-2014
Percentage	68.75%	66.66%	50%	22.22%

23. Awards / Recognitions received by faculty and students

Faculty : 14
Students : 60

24. List of eminent academicians and scientists/ visitors to the department
1. Dr. Ramachandra.V.Pujeri, KGISL Institute of Technology, Coimbatore.
 2. Dr. M.S.Geetha Devasena, Sri Ramakrishna Engineering College, Coimbatore.
 3. Dr. T.Arunkumar, Professor, School of Computing Sciences and Engineering, VIT University.
 4. Dr. A. Chitra, PSG College of Technology, Coimbatore.
 5. Dr. Ila Vennila, PSG College of Technology, Coimbatore.
 6. Dr. G.Gopu, Sri Ramakrishna Engineering College, Coimbatore.
 7. Dr. N.Senthilnathan, Kongu Engineering College, Perundurai
 8. Dr. S.Moorthy, National Institute of Technology, Tiruchirappalli.
 9. Dr. P.Rajkumar Project Manager/EEH, Robert Bosch, Coimbatore
 10. Dr. C.N.Marimuthu, Nandha Engineering College, Erode
 11. Dr. A.Soundarajan, PSG College of Technology. Coimbatore
 12. Dr. M.Sudhakaran, Associate Professor, Department of EEE, Pondicherry Engineering College, Pondicherry
 13. Dr. S.Jeevanandhan, Pondicherry Engineering College, Pondicherry
 14. Dr. P.Maruthupandi, Government College of Technology, Coimbatore
 15. Dr. C.Kadhirvel, Sri Ramakrishna Engineering College, Coimbatore
 16. Dr. T.Vijayakumar, Sri Eshwar College of Engineering, Coimbatore
 17. Mr. R.Uthirasamy, Jansons Institute Of Technology, Coimbatore
 18. Dr. S.Manoharan, Karpagam College of Engineering, Coimbatore
 19. Dr. K.Srinivasan, Sri Ramakrishna Engineering College, Coimbatore
 20. Dr. P.S.Mayurappriyan, Jansons Institute of Technology, Coimbatore
 21. Dr. M. Kathirvelu, KPR Institute of Engineering and Technology, Coimbatore.
 22. Prof. S.Prabakar, Kathir College of Engineering, Coimbatore.
 23. Dr. R.Rajendran, Karpagam College of Engineering, Coimbatore
 24. Dr. N.S.Sakthivelmurugan, Park College of Engineering and Technology, Coimbatore
 25. Dr. P.Palanivel, MAM College of Engineering, Trichy.
 26. Prof. T.Rajesh, Info Institute of Engineering, Coimbatore.
 27. Dr. P.Poongodi, PPG Institute of Technology, Coimbatore.
 28. Er. A.Ramesh, Robert Bosch Engineering and Business Solutions, Coimbatore.
 29. Dr. S.Kanthalakshmi, PSG College of Technology, Coimbatore.
 30. Dr. Y.Gene Liao ,Director, Electric Transportation Technology, Wayne State Univ., USA.
 31. Shri. S.Senthilkumar, Environment Manager, Asia Pacific Ford Motor Company, India.
 32. Dr. G.Sai Narayanan, Senior Consultant, HCL Technologies, Chennai.
 33. Dr. N. Selvaganesan, Head, Dept of Avionics, IIST, Trivandrum.
 34. Dr.S.N.Sivananadan, Emeritus Professor, Karpagam University, Coimbatore.
 35. Mr. J.Visveswaran, National Instruments, Bengaluru.
 36. Mr.R.Karthikeyan, Techlever Pvt Ltd, Bengaluru.
 37. Dr. Mathew Cherian, Consultant Radiology, KMCH, Coimbatore.
 38. Dr. S.Jeevanantham, Pondicherry Engineering College, Pondicherry.

39. Mr. M.Anand & Mr.P.Subash, Embedded Engineer(S), Apex Integrated Systems, Coimbatore.
40. Mr. T.Justin, Coordinator, Dr. NGP IAS Academy, Mr.R.M.Ramanujam, Chief Executive Officer, Super LED and Hi energy system, Coimbatore.
41. Dr. S.Jeevanantham, Pondicherry Engineering College, Pondicherry.
42. Shri. P.Rajkumar, Project Manager/EEH, Robert Bosch, Coimbatore.
43. Er. S.SelvaKumar, Design & Engineering, ABB Global Industries & Services Ltd,Chennai
44. Dr. S.Subramanian, Inst.of Mgt.Tech., Hyderabad.
45. Mr. S.Jaganathan, RVS College of Engineering, Coimbatore.
46. Ms. Saranya Damodaran, CEO, Technocrat Solutions, Coimbatore.
47. Mr. Suresh Vijayaraj, KG Information Systems Pvt. Ltd., Coimbatore
48. Dr. R.Sudhakar, Dr. Mahalingam College of Engineering &Technology, Pollachi.
49. Prof. Srinivasan of Sri Ramakrishna Engineering College, Coimbatore.
50. Mr. Raghavendra Majji, Li2, Innovation, Bangalore.
51. Mr. Nilesh, Mr.S.MuthuKrishnan & Ms.Sunayana Mane, Siemens ltd, Thane
52. Dr. P.Neelakandan, Professor & Head of EEE, GCT Coimbatore.
53. Mr. M.Chandra Kumar, Application Engineer-Power Systems, Trident Tec labs Pvt., Ltd., Bangalore.
54. Dr. Roopa, Consultant, Radiologist, KMCH, Coimbatore.
55. Dr. Ramani Kumar, Consultant Dental Surgeon, KMCH, Coimbatore.
56. Mr. Rakesh, National Instruments, Bangalore.
57. Dr. Jovitha Jerome, PSG College of Technology,Coimbatore.
58. Dr. U.S.Ragupathy, , Kongu Engineering College, Erode.
59. Dr. P.A. Balakrishnan, KCG College of Technology, Chennai
60. Mr. Prajjwal Ghosh, Mr.Sushant S.Rodge, Mr.Kamal Lal M.B., Ms. Sarita V. Powde, SIEMENS Ltd, Mumbai.
61. Mr. Arvind & Mr.Ashok, Software Engineers, Robert Bosch, Coimbatore.
62. Mr. T.N.Sivakumar, Managing Director, Electronics and Controls Corporation, Coimbatore.

25. Seminars/ Conferences/Workshops organized & the source of funding

S. No.	Name of the Seminar/ Conference/Workshop	Year	National / International	Source of Funding
1.	Workshop on MATLAB and its Applications	2010	National	Dr.NGP.IT
2.	Robotic Workshop Orientation	2010	National	Dr.NGP.IT
3.	Workshop on Power System Operations and Control(PSOC'10)	2010	National	Dr.NGP.IT
4.	One Day Workshop on Digital Image Processing	2013	National	Dr.NGP.IT
5.	Two day National Workshop on Control System Design for Modern Applications using MATLAB	2013	National	AICTE
6.	IEEE International Conference on Green Computing, Communication and Electrical Engineering- ICGCCEE' 14	2014	International	IEEE,IEL,ISTE, Dr.NGP.IT

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.E/EEE-2007-2011	NA	NA	61	2	70.68%
B.E/EEE-2008-2012	NA	NA	49	21	67.18%
B.E/EEE-2009-2013	NA	NA	44	21	70%.

M=Male F=Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.E/EEE-2013-2017 Batch	97%	3%	-
B.E/EEE-2012-2016 Batch	98%	2%	-
B.E/EEE-2011-2015 Batch	97%	3%	-
B.E/EEE-2010-2014 Batch	88%	12%	-
B.E/EEE-2009-2013 Batch	72%	28%	-
B.E/EEE-2008-2012 Batch	79%	21%	-
B.E/EEE-2007-2011 Batch	40%	40%	20%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

GATE-1 TANCET-13

29. Student progression (Year wise)

Student progression	Against % enrolled
UG to PG	2007-2011 Batch-10.3% 2008-2012 Batch-15% 2009-2013 Batch-18.5%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	2007-2011 Batch-40% 2008-2012 Batch-40% 2009-2013 Batch-27%
• Campus selection	2007-2011 Batch-8% 2008-2012 Batch-12% 2009-2013 Batch-10%
• Other than campus recruitment	2007-2011 Batch-12% 2008-2012 Batch-8% 2009-2013 Batch-10%
Entrepreneurship/Self-employment	2007-2011 Batch-12% 2008-2012 Batch-8% 2009-2013 Batch-10%

30. Details of Infrastructural facilities

a) Library (Department)

Number of books	: 171
Number of journals	: 5
Others:	
Number of Project Reports	: 64
No. of Magazines	: 7

- b) Internet facilities for Staff & Students
 Wired : Yes
 Wi-Fi : Yes
 c) Class rooms with ICT facility : Yes
 d) Laboratories

Name of the Laboratory	Total Equipment / Machinery Cost (in Rs.)
Control Systems	3,81,540.00
Measurements and Instrumentation Laboratory	4,49,117.00
Linear Integrated Circuits Lab	3,33,814.00
Microprocessors and Microcontrollers Laboratory	8,44,195.00
Electric Drives and Control Laboratory	10,03,870.00
Electronic Circuits and Electronic Devices Laboratory	7,71,680.00
Engineering Practices Laboratory	4,29,120.00
Electrical Machines Laboratory	16,78,163.00
Simulation Laboratory	9,50,200.00
Power Electronics Laboratory	6,17,826.00
National Instruments LabVIEW Academy	29,89,372.60

31. Number of students receiving financial assistance from college, university, government or other agencies : 198

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

S. No.	Year	Name of the Programme	Number of students benefited
1.	2009	Guest lecture on Scope of Electrical Engineering	200
2.	2010	Workshop - Power System Operations & Control	110
3.	2010	Robotic Workshop Orientation	120
4.	2010	Workshop - Matlab and its Applications	100
5.	2010	Guest Lecture on Power System Dynamics	140
6.	2010	Guest Lecture on Entrepreneurship and Self Awareness	140
7.	2010	Guest Lecture on Oracle Database Administration	140
8.	2010	Siemens Training on PLC	32
9.	2011	Seminar - Engineers Ahead	150
10.	2011	Seminar - Embedded Systems – Current Scenario	150
11.	2011	One Day Seminar - Recent trends in Engineering Education	160
12.	2011	Siemens Training on PLC	16
13.	2011	Siemens Training on AC / DC drives	15

14.	2011	Siemens Training on PLC	16
15.	2011	Siemens Training on SCADA	16
16.	2011	Training on Java	4
17.	2011	Siemens Training on PLC	16
18.	2011	Training on C programming	4
19.	2011	Training on .Net programming	8
20.	2011	Training on Hardware & networking	25
21.	2012	Guest lecture on Working of Induction Motor with Non Sinusoidal Supply Input	150
22.	2012	Guest lecture on Recent Trends in Automotive Electronics	160
23.	2012	Guest Lecture on Career Opportunities in Power system Engineering	200
24.	2012	Guest Lecture on Employment Opportunities for Engineers with Managerial Skills	150
25.	2012	Technical Symposium-ADVERTO' 12	150
26.	2012	Siemens Training on SCADA	48
27.	2012	Siemens Training on PLC	86
28.	2012	Siemens Training on PLC	62
29.	2012	Training on LabVIEW core 1	61
30.	2012	Training on LabVIEW core 2	23
31.	2013	Seminar on Applications of MATLAB for Electrical Engineering	70
32.	2013	Seminar- PCB Design Process	140
33.	2013	Awareness Programme on Competitive Examinations	140
34.	2013	Key Note Address on Solar Engineering-Our Future	210
35.	2013	Symposium - National Level Symposiums-KRIOS' 13	250
36.	2013	One Day Workshop on Digital Image Processing	65
37.	2013	Two day National workshop on Control system design for Modern Application using MATLAB	66
38.	2013	IBM-Embedded Course on Rational Rhapsody	70
39.	2013	FACE Training	70
40.	2013	Hope Factory	67
41.	2013	Siemens Training on PLC	67
42.	2013	Siemens Training on SCADA	67
43.	2014	IBM Training on Advanced Foundation Course	55
44.	2014	Technical Symposium-Henosis' 14	110

33. Teaching methods adopted to improve student learning
 Technical Seminars, Assignments, Tutorial Hours engaged by two faculty members, Industrial visits, Guest Lectures and Seminars by eminent academicians and scientists, Usage of additional Resources such as NPTEL, EKALAVYA, SONAVARSITY

34. Participation in Institutional Social Responsibility (ISR) and Extension activities.
- “Health Education and Preventive Measures for Women”, 2011
 - Awareness programme “Know your Teeth”, 2011
 - One day camp on “Blood grouping” organized by IEEE & WIE, 2012
 - Energy Conservation Awareness Programme, 2014.
 - “Voters’ Awareness Programme” conducted at Veeriyampalayam, 2014.
35. SWOC analysis of the department and Future plans
- Strength:
 1. Experienced faculty members with diversified field of specialization
 2. State of art laboratories set up in collaboration with leading corporate such as National Instruments.
 3. Exclusive Training for students in core areas
 - Weakness:
 1. Lack of consultancy activities
 2. Lack of student publications
 - Opportunities:
 1. Funded projects through Renewable Energy Club
 2. Consultancy works in the area of Energy Efficiency, Testing of Electrical Apparatus.
 3. Motivate students to enhance their projects through the established NI LabVIEW Academy
 - Challenges:
 1. To increase students’ publications in peer reviewed journals
 2. Obtaining Patents for research activities
 - Future Plan:
 1. To motivate the faculty members and students to engage themselves in research activities
 2. To produce 100% Pass percentage and Placement.
 3. To initiate steps for establishing renewable energy park in the campus.
 4. To obtain funded research projects from government organizations and enhance the consultancy activities.

INFORMATION TECHNOLOGY

1. Name of the Department : **INFORMATION TECHNOLOGY**
2. Year of Establishment : **2007**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Name of course	Year of establishment	Sanctioned strength
B.Tech. (Information Technology)	2007	60

4. Names of Interdisciplinary courses and the departments/units involved
 - Department of Science & Humanities:
Discrete Mathematics, Probability and Queuing Theory, Communication Skills Lab ,Transforms and Partial Differential Equations, Numerical Methods
 - Department of Electronics & Communication Engineering:
Digital Principles and System Design, Digital Communication, Digital Lab, Signals and Systems, Microprocessor and Microcontrollers, Digital Signal Processing, Microprocessor and Microcontrollers Lab, Principles of Communication, Signals and Linear Systems, Communication Switching Techniques
 - Department of Master of Business Administration: Principles of Management, Engineering Economics and Financial Accounting.
5. Annual / semester / choice based credit system (programme wise) – Semester system
6. Participation of the department in the courses offered by other departments
 - Department of Science & Humanities:
Fundamentals of Programming, Programming Laboratory, Fundamentals of computing and Computer Programming, Computer Practice Laboratory I, Computer Practice Laboratory II, Computer Programming, Programming and Data Structures – I, Programming and Data Structures – I Lab, Digital Principles and System Design, Digital Lab.
 - Department of Computer Science & Engineering:
Computer Architecture, Data Structures, Design and Analysis of Algorithms.
 - Department of Electrical & Electronics & Engineering:
Data Structures and Algorithms, Data Structures and Algorithms Lab
 - Department of Electronics & Communication Engineering:
Data Structures and Object Oriented Programming, Data Structures and Object Oriented Programming Lab.

7. Courses in collaboration with other universities, industries, foreign institutions, etc.

Value Added Course Detail with MoU*

S. No.	Industry / Institute collaboration	Name of the Course	Year of Signing MoU
1	IBM India Private Limited	MainFrame	2013
2	IBM India Private Limited	<ul style="list-style-type: none"> • Software Testing • Cloud Computing • Advanced Software Foundation • Software Foundation • Enterprise Java 	2012
3	Oracle Corporation	Oracle 10G: Introduction to SQL Oracle 10G: Administrative Workshop I	2010
4	ICTACT	.Net Programming	2010

8. Details of courses/ programmes discontinued (if any) with reasons : NIL

9. Number of Teaching posts

	Sanctioned	Filled
Professors	1	1
Associate Professors	2	1
Assistant Professors	9	10

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. V.Vani	M.S., Ph.D.	Professor & Head	Computer Cognition Technology	14.7	NIL
Ms. S.Santhi	M.E., (Ph.D.)	Associate Professor	Heterogeneous Networks	14.3	NIL
Ms. A.Praveena	M.E.	Assistant Professor	Social Networking	8.3	NIL
Mr. T.Vijaya Kumar	M.E.	Assistant Professor	Data Mining	3.7	NIL
Mr. V.Thangavel	M.E.	Assistant Professor	Applied Electronics	3.4	NIL
Mr. S.Parandaman	M.E.	Assistant Professor	Network Engineering	4.7	NIL
Ms. K.Mouthami	M.E.	Assistant Professor	Data Mining	0.7	NIL
Ms. M.Archana	M.E.	Assistant Professor	Data Mining	0.7	NIL

Mr. D.Prem Kumar	M.E.	Assistant Professor	Network Engineering	6.4	NIL
Ms. G.Krithika	B.Tech., (M.E.)	Assistant Professor	Cyber Security	5	NIL
Mr. Mani Deepak Choudhry	B.Tech., (M.E.)	Assistant Professor	Data Mining	3.4	NIL
Ms. D.Ramya	B.Tech.,	Assistant Professor	Multimedia	2.4	NIL

11. List of Senior Visiting Faculty : NIL

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : NIL

13. Student -Teacher Ratio (programme wise)

S. No.	Program/Course	Total number of Faculty	Total number of Students	Faculty : Student Ratio
1	B.Tech (IT) -2008 - 2009	6	61	1:10
2	B.Tech (IT) - 2009 – 2010	7	115	1:16
3	B.Tech (IT) - 2010 – 2011	14	179	1:13
4	B.Tech (IT) - 2011 – 2012	15	191	1:13
5	B.Tech (IT) - 2012 – 2013	11	183	1:17
6	B.Tech (IT)- 2013 – 2014	12	174	1:14

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Academic support staff (Technical)	1	1
Administrative staff	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.
Ph.D. – 1 PG – 8 UG – 3

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : National : NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : NIL

18. Research Centre /facility recognized by the University : NIL

19. Publications:
- a) Publication per faculty
 - Number of papers published in peer reviewed journals (national / international) by faculty and students: Faculty & Students : 46
 - Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
 - DBLP, # Ebsco host, @Google Scholar, Microsoft Academic research
 - (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, DBLP, etc) : 2
 - Monographs : NIL
 - Chapter in Books : NIL
 - Books Edited : NIL
 - Books with ISBN/ISSN numbers with details of publishers : NIL
 - Citation Index : NIL
 - SNIP : 2
 - SJR : 2
 - Impact factor : 2
 - h-index : NIL
20. Areas of consultancy and income generated : NIL
21. Faculty as members in
- a) National committees
 - b) International Committees
 - c) Editorial Boards : NIL
22. Student projects
- a) Percentage of students who have done in-house projects including inter departmental/programme -

Courses	2010 - 11	2011- 12	2012 - 13	2013 - 14
UG – B.Tech	58 %	97%	77%	63%
 - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies -

Courses	2010- 11	2011- 12	2012-13	2013 – 14
UG – B.Tech	42 %	3%	23%	37%

23. Awards/ Recognitions received by faculty and students:

No of Faculty: 3 & Students: 3

24. List of eminent academicians and scientists/ visitors to the department

1. Mr. O.A.Balasubramanian, Vice President, Roots Industries Private Ltd., Coimbatore (14.03.2009)
2. Mr. Souri, Manager, HCL Info Systems Limited (31.08.2009)
3. Dr. Krishna Venkatesh, Director & Chief Operating Officer, Drone Aerospace Systems, Private Limited, Bangalore (24.02.2010)
4. Mr. Jaya Velu.T.T, Technical Head, Equatriga Software Solutions. (28.06.2011)
5. Mr. Ravikiran Maladi, SE, Mr. Manabendra Roy & Mr. Aditya MSK, Mircosoft Corporation, (28.09.2011, 23.09.2010 & 29.09.2011)
6. Dr. Sudha Sathasivam, Professor, CSE, PSG College of Technology, Coimbatore (07.03.2012)
7. Mr. Guruprasad Vijayarao, Lead Developer, Ms. Swapna Akula, Senior Development Engineer, Ms.Divya Khandelwal, Development Lead, Microsoft India. (21.09.2012)
8. Mr. N.Sundararajan, Professor (Retd.), EEE, Nanyang Technological University, Singapore (31.02.2013)
9. Mr. Suresh Durairajan, Lead Architect, IBM India Pvt.Ltd. (05.04.2013)
10. Mr. Jaiprakash Mallikarjun Bankolli, Senior Development Lead, Mr. Kaushik Bhattacharya, Software Development Engineer, Microsoft IT India. (27.09.2013 & 28.09.2013)
11. Professor C.V. Harjinder Singh Lallie, Warwick University, United Kingdom. (29.11.2013)

25. Seminars/ Conferences/Workshops organized & the source of funding

S. No.	Name of the Seminar / Conference/Workshop	Year	National / International	Source of Funding
1	FDP on C# and .NET Framework	2011	National	Centre for Faculty Development, Anna University of Technology , Coimbatore
2	International Conference on Signal and Image Processing 2012 (ICSIP 2012)	2012	International	Dr.NGP.IT
3	Workshop on Microsoft Windows Phone	2013	National	Computer Society of India

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Tech – IT/ (2007-11)	-	-	47	19	63.63%

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Tech – IT/ (2008-12)	-	-	32	29	63.93
B.Tech – IT/ (2009-13)	-	-	36	26	72.58%
B.Tech – IT/ (2010-14)	-	-	25	39	71.87%

M=Male F=Female

27. Diversity of Students

Name of the Course	% of students from the same state		% of students from other States		% of students from abroad	
	II	83.60	II	17.40	II	-
B.Tech (IT) (2007 – 2011)	III	82.45	III	17.55	III	-
	IV	81.13	IV	18.87	IV	-
	II	86.20	II	12.06	II	-
B.Tech (IT) (2008 – 2012)	III	86.20	III	12.06	III	-
	IV	83.33	IV	16.66	IV	-
	II	79.41	II	20.58	II	-
B.Tech (IT) (2009 – 2013)	III	80	III	20	III	-
	IV	79.03	IV	20.96	IV	-
	II	90.62	II	9.37	II	-
B.Tech (IT) (2010 – 2014)	III	90.47	III	9.52	III	-
	IV	90.62	IV	9.37	IV	-
	II	96.61	II	3.38	II	-
B.Tech (IT) (2011 – 2015)	III	95	III	50	III	-
	I	98	I	2	I	-
B.Tech (IT) (2011 – 2015)	II	98	II	2	II	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc?

TANCET: 35, GATE : 20

29. Student progression (Year wise)

Student progression	2008-2009	2009-2010	2010-11	2011-12	2012-13	Total
UG to PG	Not Applicable		8	12	10	30
PG to M.Phil.			NIL	NIL	NIL	NIL
PG to Ph.D.			NIL	NIL	NIL	NIL
Ph.D. to Post-Doctoral			NIL	NIL	NIL	NIL
Campus selection employed			2	6	21	29

Other than campus		28	21	14	63
Entrepreneurship		NA	NA	NA	NA
Self-employment		NA	NA	NA	NA

30. Details of Infrastructural facilities

a) Department Library

Number of books : 286

Number of journals : 13

Others : 336

b) Internet facilities for Staff & Students

Wired : Yes

Wi-Fi : Yes

c) Class rooms with ICT facility : Yes

d) Laboratories

S. No.	Name of the Equipment / Machinery	Total Cost (in Rs.)
1	Programming Lab	17,55,220

31. Number of students receiving financial assistance from college, university, government or other agencies : 101

32. Details on student enrichment programmes

(special lectures / workshops / seminar) with external experts

S. No	Year	Name of the Programme	External Experts
1.	14.03.2009	Guest lecture - current trends in IT	Mr.O.A.Balasubramanian, Vice President, Roots Industries Private Ltd., Coimbatore
2.	31.08.2009	Workshop - Eminent Technologies of Open Source Systems "PHP and MYSQL	Mr.Souri, Manager, HCL Info System
3.	16.02.2010	Seminar - Oracle Database Administration	Mr.Suresh Vijayaraj, Database Administrator, KG Information Systems Pvt.Ltd.
4.	23.03.2010	Workshop - Network Simulator NS2	Mr.M.Senthil Kumar AP/CSE, Amrita Institute of Technology, Coimbatore
5.	17.07.2010 to 24.07.2010	FDP - Java Training Programme	Mr.Venkatesh, Java Trainer, ICT Academy
6.	09.08.2010	Orientation Programme - Industrial Project	Ms.Vikashini, Quality Improvement Manager, KMCH, Coimbatore
7.	12.08.2010	Seminar - Open Source Systems	Mr.Sundharam, Director, KG Information System, Coimbatore
8.	19.08.2010	Seminar - Java Programming	Mr.A.Anand Premkumar, Cegonsoft, Pvt.Ltd, Coimbatore
9.	08.09.2010	Seminar - Geo Informatics	Dr.Mirnal K Ggose, HOD, CSE, Sikkim Manipal Institute of Technology, Sikkim
10.	23.09.2010	Workshop - .Net Framework	Mr.Ravikiarn Maladi, SE, Mirrosoft Corporation

11.	31.12.10 to 02.01.2011	Workshop - Aptitude Training Programme	Mr.K.Krishnaraj, Associate Professor, Gobi College of Arts and Science, Gobi.
12.	06.01.2011	Workshop - Reclaiming your true identity	Dr.S.Manikandan, Faculty Advisor, Soft Skills Youth Corp Training Consultancy
13.	16.03.2011	Seminar - Data Mining and Data Warehousing	Dr.K.P.Soman, Director and Professor, Amrita University, Mr.Prashant R.Nair, Secretary, CSI Coimbatore Chapter
14.	17.08.2011	Seminar - Networking	Accel IT Academy, CBE
15.	28.09.2011 & 29.09.2011	Workshop - Microsoft Technologies	Mr.Ravikiarn Maladi, Mr.Manabendra Roy & Mr Aditya MSK- Microsoft Technologies
16.	20.01.2012	Workshop - Computer Awareness	2012 Passed out final Year students
17.	06.02.2012	guest lecture - recent trends in network security	Ms.S.Brindha, HoD, DCN, PSG Polytechnic college
18.	06.03.2012	Workshop - Cloud Computing application development	Mr.Vijay Nair, CTO, Assyst International Pvt.Ltd, Kochi
19.	07.03.2012	Guest lecture - Grid computing	Dr.Sudha Sathasivam, Prof, CSE, PSG CT, Coimbatore
20.	21.03.2012	Guest lecture - guidance for Paper Presentation	Dr.S.Mohan, HoD, CSE,Dr.N.G.P.IT
21.	21.09.2012	National level Workshop - Windows Azure	Mr.Guruprasad Vijayarao, Lead Developer, Microsoft India. Ms.Swapna Akula, Senior Development Engineer, Microsoft, India, Ms.Divya Khandelwal, Development Lead, Microsoft, India.
22.	31.01.2013	Technical Seminar - An Introduction to Genetic Programming	Prof.N.Sundararajan(Retd.), EEE, Nanyang Technological University, Singapore
23.	05.04.2013	Workshop - Cloud Computing	Mr.Suresh Durairajan, Lead Architect, IBM India Pvt.Ltd.
24.	27.09.2013& 28.09.2013	Workshop - Microsoft Windows Phone	Mr.Jaiprakash Mallikarjun Bankolli, Senior Development Lead, Microsoft IT India, Mr.Kaushik Bhattacharya, Software Development Engineer, Microsoft IT India
25.	29.11.2013	International Seminar – Cyber Security	Professor C.V. Harjinder Singh Lallie , Warwick University, United Kingdom

33. Teaching methods adopted to improve student learning Aiming at the effectiveness of the teaching learning process, the department facilitates the use of various teaching tools such as
- i. Learning Management System (Pandit)
 - ii. E – Learning Resources (NPTEL)
 - iii. Tutorials classes
 - iv. Assignments in analytical subjects
 - v. Mini Projects.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
- Computer Awareness Programme, Government School, Kalapatti, 2012
 - Computer Awareness Programme, Universal Peace Foundation, 2013
 - Visit to Universal Peace Foundation, 2013
 - Orientation on Power of Internet and its applications for parents of NGP school children, 2014
35. SWOC analysis of the department and Future plans
- Strength:
 1. University Ranks (2008 – 2012, 2009 – 2013)
 2. Experienced and dedicated faculty members
 3. Adequate infrastructural facilities
 4. Advanced learning facilities
 - Weakness:
 1. Lack of funded projects.
 2. Lack of consultancy
 3. Less refereed publications by faculty.
 - Challenges:
 1. Getting patents for research projects
 2. Providing value addition to students based on the industry requirements
 - Future Plan
 1. To motivate the students and make them industry ready to face placement in the final year.
 2. To invite subject specialists from industries under the Institute - Industry - Interface scheme
 3. To setup a full-fledged FOSS lab and promote research and development
 4. To strengthen research activities by involving UG/PG students.
 5. To submit concrete research proposals to various funding agencies

MECHANICAL ENGINEERING

1. Name of the Department : **MECHANICAL ENGINEERING**
2. Year of Establishment : **2009**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Name of course	Year of establishment	Sanctioned strength
B.E.	2009	60
	2012	120
M.E.	2013	18

4. Names of Interdisciplinary courses and the departments/units involved
 - Department of Science & Humanities
Transforms and Differential Equations, Statistics and Numerical Methods, Advanced Numerical Methods.
 - Department of Electrical & Electronics Engineering
Electric Drives and Control.
 - Department of Electronics and Communication Engineering:
Electronics and Microprocessor.
5. Annual/ semester/choice based credit system (programme wise) – Semester system.
6. Participation of the department in the courses offered by other departments
 - Department of Science and Humanities
Engineering Graphics : All branches Basic Civil & Mechanical Engineering: Electrical & Electronics Engineering, Electrical & Electronics Engineering, Computer Science and Engineering, Information Technology.
7. Courses in collaboration with other universities, industries, foreign institutions, etc.
Value Added Course Detail with MoU*

S. No.	Industry / Institute collaboration	Name of the Course	Year of Signing MoU
1	CADD CENTRE	Pro/E & Creo	2011
2	INNOVENT ENGINEERING SOLUTIONS PVT LTD	ANSYS	2012
3	UMS TECHNOLOGIES	CAM Training	2012
4	COINDIA	Training on CNC,CMM,EDM	2014

8. Details of courses/ programmes discontinued (if any) with reasons : NIL

9. Number of Teaching posts

UG	Sanctioned	Filled
Professors	UG:2, PG:1	UG:2, PG:1
Associate Professors	UG:4, PG:1	UG:5, PG:1
Assistant Professors	UG:10, PG:1	UG:12, PG:1

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S. No.	Name	Qualification	Designation	Specialisation	No. of years experience	No. of Ph.D Scholars Guided Under the faculty
1.	Dr. S.Muthu	M.E.,Ph.D.	Professor and Dean	Mechanical Engineering	33	10
2.	Dr. C.Selvaraj	M.E.,Ph.D.	Professor and Head	Manufacturing	34	NIL
3.	Dr. D.Devika	M.E.,Ph.D.	Professor	Rapid Prototyping, Image Processing, Manufacturing & Optimization	22	NIL
4.	Mr. V.Manivasagam	M.E (Ph.D.)	Associate Professor	Refrigeration and Air-conditioning	39.3	-
5.	Dr. K.Ravikumar	M.E.,Ph.D.	Associate Professor	Manufacturing, Material science	10.11	-
6.	Mr. A.Selvaraj	M.E (Ph.D.)	Associate Professor	Production Engineering	30.3	-
7.	Mr. D.K.Saravanan	M.E (Ph.D.)	Associate Professor	Industrial Engineering	19.2	-
8.	Mr. S.Venkatesan	M.E (Ph.D.)	Associate Professor	Engineering Design	17.4	-
9.	Mr. T.Sivakumar	M.E (Ph.D.)	Associate Professor	Thermal Engineering	15.4	-
10.	Mr. S.Kalidass	M.E (Ph.D.)	Assistant Professor	CAD/CAM	12.4	-
11.	Mr. V.Sivaraman	M.E (Ph.D.)	Assistant Professor	Engineering Design	11	-
12.	Mr. I.M.Kartheheyan	M.E (Ph.D.)	Assistant Professor	Thermal Engineering	9.6	-
13.	Mr. M.Nallusamy	M.E (Ph.D.)	Assistant Professor	Engineering Design	10	-
14.	Mr. A.Jaganathan	M.E.	Assistant Professor	Engineering Design	7	-
15.	Mr. M.Thirumalai Muthukumar	M.E (Ph.D.)	Assistant Professor	CAD/CAM	8	-
16.	Mr. P.Gopikrishnan	M.E (Ph.D.)	Assistant Professor	Manufacturing Engineering	8	-
17.	Mr. K.Gobinath	M.Tech	Assistant Professor	Manufacturing Engineering	4.5	-
18.	Mr. R.Vijayakumar	M.E.	Assistant Professor	Manufacturing Engineering	3	-

19.	Mr. N.Senthil Prabhu	M.E. (Ph.D.)	Assistant Professor	Lean Manufacturing	3	-
20.	Mr. V.P.Pradeep	M.E.	Assistant Professor	CAD/CAM	1	-
21.	Mr. R.Ranjith	M.E. (Ph.D.)	Assistant Professor	Industrial Engineering	1	-
22.	Mr.G.Michael Raj	B.E. (M.E.)	Assistant Professor	Mechanical Engineering	27	-

Non Teaching Staff Profile

S.No	Name	Qualification	Designation	Experience (in Years)
1	Mr. Jayakumar.S	DR&AC,DCA	Lab Technician	16
2	Mr. Meenachisundaram.R	ITI (DME)	Lab Technician	13
3	Mr. Saravanakumar.A	DME	Lab Technician	16
4	Mr. Kuppuraj. S	DME	Lab Technician	11
5	Mr. Gunasekaran.S	DME (B.E.)	Lab Technician	16
6	Mr. Selvanesan. Y	I.T.I.,DME	Lab Technician	20
7	Mr. Prabhu.A	DMT	Lab Technician	3.5
8	Mr. Thangavelu.S	DME	Lab Technician	21
9	Mr. Shanmugaprabhu.N	DME	Lab Technician	2
10	Mr. Murugesan. A	ITI	Lab Technician	8

11. List of senior visiting faculty : NIL
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : NIL
13. Student -Teacher Ratio (programme wise)

S.No.	Program/Course	Batch	Total number of Faculty	Total number of Students	Faculty : Student Ratio
1	B.E / MECH	2010-11	10	70	1 : 7
2		2011-12	11	138	1:13
3		2012-13	12	212	1:17
4		2013-14	19	288	1:15
5	M.E / Engineering Design	2013-14	3	10	1:3

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Academic support staff (Technical)	7	10
Administrative staff	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.
Ph.D. – 4 PG - 17 UG - 01
16. Number of faculty with ongoing projects from
a) National b) International funding agencies
and grants received : NIL
17. Departmental projects funded by DST-FIST;
UGC, DBT, ICSSR, etc. and total grants received : NIL
18. Research Centre /facility recognized by the University:
Waiting for Anna University Approval
19. Publications:
- a) Publication per faculty
- Number of papers published in peer reviewed journals (national / international) by faculty and students : 28
 - Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : 19
 - Monographs : NIL
 - Chapter in Books : NIL
 - Books Edited : NIL
 - Books with ISBN/ISSN numbers with details of publishers : NIL
 - Citation Index : NIL
 - SNIP : 19
 - SJR : 19
 - Impact factor : 19
 - h-index : NIL
20. Areas of consultancy and income generated : NIL
21. Faculty as members in
- a) National committees
- Dr. S.Muthu - Expert Visiting Committee Member of National Board of Accreditation (NBA)
 - Dr. S.Muthu - Doctoral Committee Member – Anna University
- b) International Committees: NIL
- c) Editorial Boards
- Dr. K.Ravi Kumar- Reviewer – Journal of Science and Engineering for Composite Materials

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme

Batch	2009-13	2010-14
Percentage of students	55	84

- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies

S.No.	Batch	Percentage of students
1	2009-13	45
2	2010-14	16

23. Awards/ Recognitions received by faculty and students

Faculty : NIL
Students : 03

24. List of eminent academicians and scientists/ visitors to the department

1. Mr. Armin Huck - Herbatech, Germany
2. Mr. Mallinathan - Training Manager, UMS Technologies
3. Mr. Ramachandran - Asst Manager, ELGI equipments
4. Dr. Amirthalingam - Assistant Professor. GCT, CBE
5. Mr. Venkitesan - Assistant Prof, United Institute of Technology
6. Mr. Santhakumar Palanisamy - Prof. Michigan University
7. Mr. G. Sathish Chandra - Operation Manager, Robert BOSCH Coimbatore
8. Mr. Kirbakaran Venkataraman - Manager,CTS
9. Mr.Umasankar - Professor, VIT University
10. Mr. B. Kumaran - Deputy General Manager, Engineering Services, Robert Bosch
11. Mr. R.S. Vijayendran - Senior Engineer, KONE Elevators
12. Dr. G.Ranganathan – MD, Rover Components Ltd
13. Dr. P.R.Perumalsamy - Adjunct Professor, University of Wayne,USA
14. Mr. M.Sivakumar - CEO, ICT Academy
15. Mr. N. Ashok - Manager, General Motors Co.
16. Kalaimamani ' Thiru. Marabin Mainthan Muthiah - Managing Partner, Spark Ind Plast
17. Dr. A.Sethuramiah - Former Professor, IIT Madras
18. Dr. Satish Vasu Kailas - Professor, IISc Bangalore
19. Mr. Narendra Mohan Dube - MD, Ducom Instruments Ltd, Bangalore
20. Dr. M.M.Mayuram - Professor&Head,Machine Design Section, IIT Madras
21. Dr. Geetha Manivasagam - Professor, VIT University, Vellore
22. Dr. A. Elaya Perumal - Associate Professor,CEG, Anna University Chennai
23. Dr. V. Balasubramanian - Professor, Department of Mechanical Engineering, Annamalai University, Chidambaram
24. Mr. R. Krishna Murthi - Director, I2 Projects
25. Mr. Prasath - Director, IMS Academy
26. Mr. Justin - Director, NGP IAS Academy
27. Mr. Amey Bhopi - Sr.Technical Associate, Technophilia

28. Mr. K.B.Sibimon - Training Manager, Ambal Auto
 29. Mr. A.Saravanakumar - Director, GATEFORUM Engineering Success
 30. Mr. K.Ravikumar - Executive – Marketing & Placements, GEEDEE-WIM
 31. Mr. R.Balraj - Manager - Technical ,ARRIS CADD TECHNOLOGY
 32. Mr. P.Sriram - Chairman ,Chennai Institute of Technology
 33. Prof. M.Giriraj - SMBS, VIT University
 34. Mr. T.Balaji – Director, Global Incentive Engineering

25. Seminars/ Conferences/Workshops organized & the source of funding

S. No.	Name of the Seminar/ Conference/Workshop	Year	National / International	Source of Funding
1	Technical symposium MEXIMIUS	Feb, 2013	NATIONAL	Dr.NGP.IT
2	Workshop on Engineering Tribology	March, 2013	NATIONAL	Dr.NGP.IT
3	Workshop on COMSOL Multiphysics	21.09.2012	NATIONAL	M/S Comsol, Bangalore
4	Workshop on Autodesk inventor	Oct, 2012	NATIONAL	CADD Centre
5	National Conference on New Nano composite Coatings for Tribological Applications Dr. NGPIT, Coimbatore	Feb, 2014	NATIONAL	DRDO

26. Student profile programme/course wise:

Name of the Course / programme	Batch	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
B.E. –Mech.	2009-13			70	NIL	78.78
M.E- Engg Design	2013-15			10	NIL	40

M=Male F=Female

27. Diversity of Students

Name of the Course	Batch	% of students from the same state	% of students from other States	% of students from abroad
B.E. Mech	2009-13	93.43	6.57	NIL
	2010-14	91.67	8.33	NIL
	2011-15	96	4	NIL
	2012-16	94.4	5.6	NIL
M.E. Engg Design	2013-15	90	10	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ?

1. GRE : 1
2. TOEFL : 1

29. Student progression (Year wise)

Student progression	Against % enrolled
UG to PG	15.7%
PG to M.Phil.	NIL
PG to Ph.D.	NIL
Ph.D. to Post-Doctoral	NIL
Employed	-
• Campus selection 2009-13	55.7%
• Other than campus recruitment 2009-13	33.5%
Entrepreneurship/Self-employment	NIL

30. Details of Infrastructural facilities

a) Library (Department)

Number of books : 250

Number of journals : 119

Others : 35

b) Internet facilities for Staff & Students

Wired : Yes

Wi-Fi : Yes

Class rooms with ICT facility : Yes

d) Laboratories

S.No.	Name of the Lab (Equipment / Machinery Cost)	Total Cost (in Rs.)
1	Manufacturing Technology Lab	3444929.00
2	CAD Lab	1821046.49
3	Metrology and Measurements Lab	400029.00
4	Thermal Engineering Lab	1488835.00
5	Dynamics Lab	596065.00
6	Mechatronics Lab	1063438.00
7	CAM Lab	1306825.00
8	Heat Power Lab	320003.00

31. Number of students receiving financial assistance from college, university, government or other agencies

UG : 77 PG : NIL

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

S.No.	Year	Name of the Programme	Number of students benefited
1	30.09.2010	Guest lecture on Welding	66
2	01.02.2011	Recent trends on Manufacturing Processes	143
3	18.03.2011	Innovative trends in Mechanical Engineering	143
4	27.07.2011	Guest lecture on Mechanical Engineering	143
5	04.07.2012	Re-Engineering with new systemized gears to graduate industrial expectations	217
6	05.07.2012	Academic Curriculum Vs Corporate Curriculum	217
8	14.11.2012	A Study of KONE Design Signalization for Passenger Elevators	217
9	25.11.2012	Employability of present day graduates	217
10	11.01.2013	Higher studies opportunities in U.S	217
11	19.01.2012	Nurturing Graduates on Industry Readiness	217
14	13.02.2013	Higher Education	217
15	07.03.2013	Tribology at macro to micro level-An overview	217
16	07.03.2013	Roughness and its effect on friction & Sustainability and Tribology.	217
17	07.03.2013	Tribo testing	217
18	08.03.2013	Tribo Design and Contact Mechanics.	217
19	08.03.2013	Medical implant Tribology	217
20	08.03.2013	Tribological study on SS by plasma coating.	217
21	08.03.2013	Enhancing tribological properties of surfaces by Thermal Spray Coatings.	217
22	31.07.2013	How to prepare for the competitive Examinations	289
23	29.01.2014	Further studies and employment opportunities in Welding Technology	289
24	19.02.2014	Promoting Technical Excellence	289
25	21.02.2014	Nano coatings in tribological applications	289
26	21.02.2014	Avenues for Nano coatings	289

33. Teaching methods adopted to improve student learning
NPTEL, Content beyond Syllabi, Animations.

- i. E – Learning Resources (NPTEL)
- ii. Content Beyond Syllabi
- iii. Animation videos
- iv. Industrial Visits

34. Participation in Institutional Social Responsibility (ISR) and Extension activities
- To motivate and create awareness for the students in orphanage, Universal Peace Foundation, 08/04/2014
 - Preparing organic manure at home from the kitchen waste and grow healthy plants in our garden, Panchayat Union Middle School, 04.04.2014.
 - To create awareness among the students to use the basic mechanical tools which can be useful for household applications, Panchayat Union Middle School, 04.04.2014.
35. SWOC analysis of the department and Future plans
- Strength:
 1. A healthy demand for mechanical engineering in industry, academics and research.
 2. Good infrastructure lab facilities with sophisticated machineries.
 3. Efficient, qualified and dedicated faculty with supporting staff.
 4. MoU signed with leading organizations.
 - Weakness:
 1. Finding dynamic strategy to make our students as entrepreneurs.
 2. Finding more avenues for funded research projects.
 - Opportunities:
 1. Developing lab to land projects for obtaining patents
 2. To explore in areas like materials, manufacturing and automation.
 - Challenges:
 1. Train to design and develop indigenous, intricate components for specific applications.
 - Future Plan:
 1. To establish centre of excellence for manufacturing.
 2. To establish a globally recognized interdisciplinary research centre.

**MASTER OF BUSINESS
ADMINISTRATION**

1. Name of the Department : **MASTER OF BUSINESS ADMINISTRATION**
2. Year of Establishment : **2008**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Name of course	Year of establishment	Sanctioned strength
M.B.A.	2008	60
Additional Intake	2011	120

4. Names of Interdisciplinary courses and the Departments/Units involved
 - Department of Science and Humanities
Subject : Written communication
5. Annual / Semester / Choice based credit system (programme wise)
 - Trimester system : 2008-10 Batch, 2009-11 Batch
 - Semester System : From 2010 onwards
6. Participation of the department in the courses offered by other departments
 1. Department : Electrical and Electronics Engineering
Subjects : Total Quality Management, Principals of Management
 2. Department : Information Technology
Subjects : Total Quality Management, Engineering Economics and Financial Accounting
 3. Department : Master of Computer Applications
Subjects : Accounting and Financial Management
7. Courses in collaboration with other universities, industries, foreign institutions, etc.

Value Added Course Detail with MoU*

S. No.	Industry / Institute collaboration	Name of the Course	Year of Signing MoU
1	Oracle Corporation	Oracle E- Biz Suite Essential for Implementers & Marketing Fundamentals	2010
2	Dexler Information Solutions Pvt. Ltd.- SAP u Academy	Intensive Training on SAP	2013
3	IBM India Private Limited	Intensive Training on SPSS	2013

8. Details of courses/programmes discontinued (if any) with reasons : NIL

9. Number of Teaching posts

	Sanctioned	Filled
Professors	1	2
Associate Professors	3	3
Assistant Professors	12	11

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. B.Subramani	B.Sc., MBA, Ph.D, FDP (IIMA)	Professor and HOD	HR & Marketing	32	3
Dr. S.Mohanavel	B.E., MBA., Ph.D.	Professor	Marketing & System	20.1	NA
Mr. S.Boopathy	B.E., MBA,M.Phil, PGDHM, UGC-NET	Associate Professor	Production & HR	13.4	NA
Ms. Anusha.V.	MBA, SLET	Associate Professor	HR	15.10	NA
Dr. Thomas Michael	MBA, M.Phil, Ph.D.	Associate Professor	Marketing & HR	14.5	NA
Ms. R.K.Sudhamathi	MFC,MBA, M.Phil, NET	Assistant Professor	Finance & Marketing	15.4	NA
Mr. V.DhanavelPandi	M.Com,MBA, M.Phil, PGDCA, UGC-NET	Assistant Professor	Finance	8.11	NA
Ms. K.S.Nemavathi	MBA	Assistant Professor	Finance & HR	6.1	NA
Mr. R.Rajendrakumar	B.E., MBA,SET, UGC- NET	Assistant Professor	Marketing	12.8	NA
Mr. R.Naveen Kumar	MBA, PGDCA.	Assistant Professor	Marketing & Systems	4.10	NA
Ms. J.Megalatha	MBA	Assistant Professor	Marketing & HR	1.10	NA
Ms. R.Shobana	MBA, M.Phil.	Assistant Professor	Finance & Marketing	7.0	NA
Mr. M.Muralikrishnan	B.E., MBA, SET	Assistant Professor	Marketing & HR	6.11	NA
Ms R.Ramya	MBA	Assistant Professor	Marketing & HR	4.3	NA
Mr. M.Natesan	MBA, M.Phil.	Assistant Professor	Marketing & HR	0.6	NA
Mr. Rukmathan	MBA	Assistant Professor	Marketing & HR	0.6	NA

11. List of senior visiting faculty
- Dr. P.R.Muthuswamy, Dr NGP Arts and Science College, October 2008.
 - Dr. D Sudhakar, KMCRET, May 2009.
 - Dr. V Shripria, Dr. NGP Arts and Science College, 2012, August – November.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty - NIL

13. Student -Teacher Ratio (programme wise)

S. No.	Program/Course	Total number of Faculty	Total number of Students	Faculty : Student Ratio
1	MBA (2008-2009)	6	56	1:9
2	MBA (2009-2010)	8	109	1:13
3	MBA (2010-2011)	8	110	1:13
4	MBA (2011-2012)	9	121	1:13
5	MBA (2012-2013)	11	176	1:16
6	MBA (2013-2014)	16	178	1:11

14. Number of academic support staff (technical) and administrative staff: sanctioned and filled

	Sanctioned	Filled
Administrative staff	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.
Ph.D. –3 M.Phil – 5 PG -8

16. Number of faculty with ongoing projects from
a) National b) International funding agencies
and grants received : NIL

17. Departmental projects funded by DST-FIST:
UGC, DBT, ICSSR, etc. and total grants received : NIL

18. Research Centre / facility recognized by the
University : NIL

19. Publications:

- a) Publication per faculty
- b) Number of papers published in peer reviewed journals (national / international) by faculty and students :22
 - Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) :20
 - SNIP :2
 - Impact factor :10

20. Areas of consultancy and income generated

S.No.	Name of the Consultancy	Name of the Faculty	Collaborating R & D Organization	Income Generated
1	A Study on Preauthorization and Claim Services Provided by the Insurance Companies in Select Hospitals	Dr. B.Subramani, Dr. S.Mohanavel & Ms. G.Niranchana	AOSTA Software Technologies India Ltd, Kovai Estate, Kalapatti Road, Coimbatore	-
2	Uninor Brand Promotional Activity	Dr. B.Subramani & Mr. S.Boopathy	E2E Exite Marketing and Training Services India Pvt.Ltd. RS Puram Coimbatore	-
3	Max Retail Brand Promotional Activity	Dr. B.Subramani & Mr. S.Boopathy	E2E Exite Marketing and Training Services India Pvt.Ltd. RS Puram Coimbatore	-
4	Vodafone Employee Health Surve	Dr. B.Subramani & Mr. S.Boopathy	E2E Exite Marketing and Training Services India Pvt.Ltd. RS Puram Coimbatore	-
5	A Study for the Service Improvement in the Airport	Dr. B.Subramani & Mr. K.Lakshminarayan Dr. S.Mohanavel	Airports Authority of India Coimbatore	-

21. Faculty as members in

a) National committees

1.Dr. B.Subramani:

- Member of the Board of Studies nominated by Anna University for Kumaraguru College of Technology.
- Doctoral Committee Member
- Has been nominated as Advisor, National Foundation for Entrepreneurship Development (NFED).

2. Ms. K.S. Nemavathi

- Has been empanelled as a Financial Education Resource person for South India under SEBI (Securities Exchange Board of India)

b) International Committees - NIL

c) Editorial Boards

1.Dr. B.Subramani

- Member of the Editorial Advisory Committee of Sanchar Bulletin – An International Quarterly Bi-Lingual Referred Research Journal of Arts, Humanities, Management and Law.

2.Mr. S.Boopathy

- Has been appointed as an Editorial Board member of Intercontinental Journal of Human Research Review – ISSN 2320-9704
- Has been nominated as Dean (Training &Development) & Executive Board Member to the National Foundation for Entrepreneurship Development (NFED).

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental /programme : NIL
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : 100 %

23. Awards / Recognitions received by faculty and students

Number of Faculty Received the Awards : 2
 Number of Students Received the Awards : 5

24. List of eminent academicians and scientists/ visitors to the department

Mr. K.R. Parthiban, Managing Director, Fisher Pumps Pvt. Ltd, 2008
 Mr. V. R. Muthu, CEO, Idhayam, 2011
 Mr. N. Subramaniam, MD, Habasit Iakoka, 2012
 Dr. Venkatesan Goppi, MD, Supradent Drugs, Ltd, 2012

25. Seminars/ Conferences/Workshops organized & the source of funding

S.No.	Name of the Seminar/ Conference/Workshop	Year	National / International	Source of Funding
1	Sectoral Seminar - Indian IT Sector - Present Scenario	2009	National	Dr.NGP.IT
2	Meet the CEO	2009	National	Dr.NGP.IT
3	Placement Readiness Program	2010	National	Dr.NGP.IT
4	Symposium - Neo Managerial Practices in Indian Service Sector	2010	National	Dr.NGP.IT
5	Workshop on Skill Development	2010	National	Dr.NGP.IT
6	Meet the CEO	2010	National	Dr.NGP.IT
7	Meet the CEO	2011	National	Dr.NGP.IT
8	Bank on Banking	2013	National	Dr.NGP.IT
9	Campus Placement Cracker Program	2013	National	Dr.NGP.IT
10	Innovative Management Practices	2013	National	Dr.NGP.IT

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
MBA (2008-2010)	-	-	42	14	100
MBA (2009-2011)	-	-	41	12	100
MBA (2010-2012)	-	-	36	21	98
MBA (2011-2013)	-	-	45	19	75
MBA (2012-2014)	-	-	75	37	87.5
MBA (2013-2015)	-	-	41	25	59

M=Male F=Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
MBA (2008-2010)	69.65%	30.35%	NIL
MBA (2009-2011)	68.43%	31.57%	NIL
MBA (2010-2012)	67.7%	33.33%	NIL
MBA (2011-2013)	84.37%	15.63%	NIL
MBA (2012-2014)	85.22%	14.78%	NIL
MBA (2013-2015)	90.76%	9.24%	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. : NIL

29. Student progression (Year wise)

Student progression	Against% enrolled
UG to PG	NA
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	NA
• Campus selection	
2008-2010	NIL
2009-2011	19.29%
2010-2012	10%
2011-2013	53.3%
• Other than campus recruitment	
2008-2010	85.14%
2009-2011	79.82%
2010-2012	84.26%
2011-2013	42.57%
Entrepreneurship/Self-employment	3

30. Details of Infrastructural facilities

- a) Library (Department)
- Number of books : 321
- Number of journals : 22
- Others : 365
- b) Internet facilities for Staff & Students
- For Staff Members
- Wired : Yes
- Wi-Fi : Yes
- For Students
- Wired : Yes
- c) Class rooms with ICT facility : 5
- d) Laboratories : NIL

31. Number of students receiving financial assistance from college, university, government or other agencies : 30
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

S. No.	Year	Name of the Programme	Number of students benefited
1	2009	Kaizen	109
2	2009	Cross Cultural Practices	109
3	2009	Know Thyself	109
4	2009	Corporate and Budding Managers	109
5	2009	Industrial Expectations from future managers	109
6	2009	Advertising – The hidden art of persuasion	109
7	2009	Planning for Career Opportunities in the Indian Air Force	109
8	2010	Placement Readiness Program	110
9	2010	Role of media in Management Education	110
10	2010	Relevance of environmental concepts for managerial decisions	110
11	2010	Business Line Theme	110
12	2010	Dimensions of Business Planning for Emerging Entrepreneurs	110
13	2010	Significance of Event Management in Marketing	110
14	2010	Event Management at Aliyar	110
15	2010	Relevance of ERP Training	110
16	2010	Management of Climatic Change	110
17	2010	Technology Management in SSI	100
18	2011	Panel Discussion on recent trends in Supply Chain Management	121
19	2011	Career Opportunities in the Insurance sector	121
20	2011	Job Opportunities in the Capital Market	121
21	2011	Special Address by Mr V R Muthu	121
22	2011	Rethinking MBA	121
23	2011	Future Plans	121
24	2012	Real time Approach in Operations Research	176
25	2012	Labour Relations – Indian Scenario	176
26	2012	SAP for business excellence	176

33. Teaching methods adopted to improve student learning
- Teaching methods adopted to improve student learning : Information Communication Technology Tools(ICT Tools)
 - Case Studies
 - Seminars
 - Role-Plays
 - Industrial Training Projects
 - Smart Class Rooms
 - NPTEL CDs,

- Managerial Skill Development
 - Group Discussions
34. Participation in Institutional Social Responsibility (ISR) and Extension activities :
- The students participated in an exchange mela of soiled coins and mutilated currency, Indian Bank, Kalapatti Branch, 2013.
 - Pioneered the formation of Rotaract Club of Dr NGPIT under the aegis of the Rotary Club of Coimbatore Green City, 2013
 - Organised the program Joy of Giving, 2014.
35. SWOC analysis of the department and Future plans
- Strength :
 1. Well equipped classrooms and library
 2. Experienced faculty team from all specialization with industrial experience
 3. Tie up with industry experts for enhancing institute – industry interaction.
 4. Produced Anna University Rank.
 - Weakness :
 1. Student Progression towards higher education
 2. Less entrepreneurship skills among the students
 - Opportunities:
 1. Upgradation of the department as a research center
 - Challenges:
 1. Orienting students towards management research
 2. Improving employability skills of students
 - Future Plan:
 1. To start consultancy division
 2. To start a research program in Management

**MASTER OF
COMPUTER APPLICATIONS**

1. Name of the Department : **COMPUTER APPLICATIONS**
2. Year of Establishment : **2009**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Name of course	Year of establishment	Sanctioned strength
Master of Computer Applications	2009	60

4. Names of Interdisciplinary courses and the departments/units involved :
 - Department of Management Studies
Accounting and Financial Management.
 - Department of Science and Humanities
Mathematical Foundations of Computer Science
Resource Management Techniques
5. Annual /semester/choice based credit system (programme wise) :
Semester system
6. Participation of the department in the courses offered by other departments : NIL
7. Courses in collaboration with other universities, industries, foreign institutions, etc.
Value Added Course Detail with MoU*

S. No.	Industry / Institute collaboration	Name of the Course	Year of Signing MoU
1	Oracle India Private limited	<ul style="list-style-type: none"> ▪ Oracle 10 g: Introduction to SQL ▪ Oracle 10 g: Administrative Workshop I 	2010
2	Teknoturf Info Services Private Limited.	Linux and J2EE	2011
3	IBM India Private limited	Cloud Computing	2013

8. Details of courses/programmes discontinued (if any) with reasons : NIL
9. Number of Teaching posts

	Sanctioned	Filled
Professors	1	1
Associate Professors	2	2
Assistant Professors	9	9

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)

S. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
1.	Dr. F. Mary Magdalene Jane	M.C.A., Ph.D.	Professor & Director	Pervasive computing	16.3	1
2.	Dr. M.Duraisamy	M.C.A.,Ph.D.	Associate Professor	Image Processing	13	-
3.	Dr. R.Jayabrabu	M.C.A.,Ph.D.	Associate Professor	Data Mining	11.8	-
4.	Dr..T.Logeswari	M.C.A.,Ph.D.	Assistant Professor	Image Processing	7	-
5.	Mr. P. Jayasheelan	M.C.A., (Ph.D.)	Assistant Professor	Pervasive Computing	7.11	-
6.	Ms. C.Karpagam	M.C.A.	Assistant Professor	Data Mining	6	-
7.	Mr. K.Sathiesh Kumar	M.C.A.	Assistant Professor	Software Engineering	4.11	-
8.	Mr. T.Thiyagarajan	M.C.A.	Assistant Professor	Network Security	4	-
9.	Ms. S.Shenbaga Priya	M.C.A.	Assistant Professor	Software Engineering	5	-
10.	Mr. E.Sivaraman	M.C.A. M.E., (Ph.D.,)	Assistant Professor	Data Mining	4.9	-
11.	Ms. C.Kumithini	M.C.A., M.Phil.	Assistant Professor	Software Engineering	6.11	-
12.	Ms. P.Menaka	M.C.A., M.Phil.	Assistant Professor	Image Processing	9	-

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : NIL

13. Student -Teacher Ratio (programme wise)

S. No.	Program / Course	Academic Year	Total number of Faculty	Total number of Students	Faculty : Student Ratio
1	MCA	2009 – 2010	4	48	1:12
2	MCA	2010 – 2011	8	104	1:13
3	MCA	2011 – 2012	12	165	1:14
4	MCA	2012 – 2013	12	138	1:12
5	MCA	2013 – 2014	12	121	1:10

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Academic support staff (Technical)	1	1
Administrative staff	1	1

15. Qualifications of teaching faculty with D.Sc / D.Litt / Ph.D / MPhil / PG.
Ph.D. -4 M.Phil. – 2 PG -6

16. Number of faculty with ongoing projects from
a) National b) International funding agencies
and grants received : NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.
and total grants received

Scheme	Name of the Coordinator	Amount Sanctioned	Organization	Programme
CSIR	Dr. V.Saravanan	Rs.30,000/-	CSIR	National Conference on "Technological Advancement on Data Mining" on 24.04.2010

18. Research Centre /facility recognized by the University : NIL

19. Publications:

- a) Publication per faculty

- Number of papers published in peer reviewed journals International : 25
- Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) -
- Monographs : NIL
- Chapter in Books : 3
- Books Edited : NIL
- Books with ISBN/ISSN numbers with details of publishers : NIL
- Citation Index : NIL
- SNIP : 7
- SJR : 7
- Impact factor : 6
- h-index : NIL

20. Areas of consultancy and income generated : NIL
21. Faculty as members in
- a) National committees : NIL
 - b) International Committees : NIL
 - c) Editorial Boards : NIL
22. Student projects
- a) Percentage of students who have done in-house projects including inter departmental/programme : NIL
 - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies.

Batch	Project In Collaboration With Industry	Percentage
2011-2014	55 / 55	100%
2010-2013	55 / 55	100%
2009-2012	48 / 48	100%

23. Awards/ Recognitions received by faculty and students

Faculty :

- Doctoral / post-doctoral fellows : 1

Students:

- University Ranks (MCA) : 9
- Awards / Recognitions (Students) : 12

24. List of eminent academicians and scientists/ visitors to the department

S. No.	Name of the eminent academicians and scientists	Institution / Industry	Date of Visit
1	Dr. Jayakesavan Veerasamy	University of Texas , USA	11.08.2011 07.01.2012 13.07.2012
2	Mr. Hari Prasad Jella	Kashyak Technologies, USA	16.03.2013
3	Dr. Prakash G Balasubramanian	German Cancer Research Institute (DKFZ), Germany	27.08.2013
4	Mr. Karthi Swaminathan	Vice President, Collabnet	2.2.2012
5	Mr. Ragesh N K	Associate Technical Architect, Development Center, NeST, Technopark Trivandrum.	30.10.2010
6	Mr. R.Dhuriyodhanan	Associate Consultant from HCL Technologies , Chennai.	17.09. 2011
7	Mr. Ashwin Raghav	Thought Work Technologies Private Limited, Pune .	01.08.2011

25. Seminars/ Conferences/Workshops organized & the source of funding

S. No.	Name of the Seminar/ Conference/Workshop	Year	National / International	Source of Funding
1.	National Conference on "Technological Advancement on Data Mining"	2010	National	CSIR (Council for Scientific and Industrial Research) - 30,000/-
2.	National Conference on Multimedia Signal Processing and Networking	2010	National	Dr. NGP. IT
3.	National Workshop on Rapid Miner - A Data Mining Tool	2010	National	Dr. NGP. IT
4.	Cloud Based CRM Services	2013	National	Dr. NGP. IT

26. Student profile programme/course wise:

Name of the Course / programme	Year	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
MCA	2009	NA	48	31	17	100
MCA	2010	NA	56	26	30	100

M=Male F=Female

27. Diversity of Students

Name of the Course	Year	% of students from the same state	% of students from other States	% of students from abroad
MCA	2009	70.83	29.16	NIL
MCA	2010	82.14	17.85	NIL
MCA	2011	83.63	16.36	NIL
MCA	2012	96.15	3.84	NIL
MCA	2013	97.5	2.5	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? : NIL

29. Student progression

Student progression	Against % enrolled
PG to M.Phil.,	3
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	12 %
• Other than campus recruitment	81%
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities

- a) Department Library
 Number of books : 132
 Number of journals : 09
 Others : 158
- b) Internet facilities for Staff & Students
 Wired : Yes
 Wi-Fi : Yes
 Class rooms with ICT facility : Yes
- c) Laboratories

S.No.	Name of the Lab (Equipment / Machinery)	Total Cost (in Rs.)
1	MCA Lab (66 Systems)	1762672

31. Number of students receiving financial assistance from college, university, government or other agencies : 25

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

S.No.	Year	Name of the Programme	Number of students benefited
1	2009- 2010	Advancements in Data Mining	48
2		Pervasive Computing and Data Mining	48
3		Attribute Selection in data mining	48
4	2010- 2011	Data Mining Applications	104
5		Foundation of Computer Applications	104
6		Improving Students Interaction and Learning	104
8		Impact of IT Skills in Managerial decision	104
9		Management Skills	104
10		Opportunity and Education in Abroad	104
11		Applications of IT in Banking and Finance	104
12		Advanced Networking	104
13		Rapid Miner	104
14		Multimedia Signal Processing and Networking	104
15		Research Issues in Networking	104
16		Digital Image Processing	104

17	2010-2011	Signal Processing	104
18		Data Warehousing	104
19		Workshop on Multimedia Graphics Tools	48
20	2011- 2012	Software Project Management	160
21		Advanced Object Oriented Programming Paradigms	160
22		Advancement in Internet Technology	160
23		Data Structures	160
24		Recursive Problems & Solutions	160
25		Getting Agile	160
26		Advanced Networking IPV4 &IPV6	160
27		Advanced Networking	160
28		Workshop on Multimedia and Graphics Tools	56
29	2012-2013	Android Operating System	137
30		Cloud Computing & its Applications	137
31		Software Testing	137
32		Multilanguage Programming with NET	137
33		Programming Paradigms	137
34		Artificial Intelligence	137
35		Cloud Based CRM Services	55
36	2013-2014	Introduction to Hadoop	66
37		Biological Data mining in cancer	121
38		Dataware housing-ETL Solutions	121
39		Multiple intelligence for Computing Professionals	121
40		Spoken Tutorial Workshop – C and C++	65
41		Students Startup	65
42		Role of Oracle Database in E-Commerce	65
43		Workshop on Multimedia Tools	65

33. Teaching methods adopted to improve student learning
 1. Use of ICT enabled Teaching Learning
 2. Demonstrating video lectures (NPTEL, SPOKEN TUTORIAL)
 3. Reading Assignments in Journals
 4. Library research on special topics
 5. Assigning Mini projects and Case Studies

34. Participation in Institutional Social Responsibility (ISR) and Extension activities :
 - Computer Training and donation to united orphanage for the Disabled, 2012.
 - Donations at Universal Peace Foundation, 2013
 - Created awareness on voting in association with veergal eyakam among the residents of Kalapatti, 2014
 - Conducted a Workshop on " How to crack TANCET", 2014

35. SWOC analysis of the department and Future plans
 - Strength:
 1. Academic record of 100% pass and Nine university ranks during last two years
 2. Qualified Team with four Ph.D. Degree holders
 3. Industry certified Oracle and Cisco Trainers
 4. Every Student apprenticed to an industry mentor

 - Weakness:
 1. Minimal Research publications of students.

 - Opportunities:
 1. To seek major projects for students with industry funding
 2. To obtain funding for faculty research projects

 - Challenges:
 1. To obtain Patents
 2. To promote Lab to land Projects
 3. To increase consultancy activities

 - Future Plan:
 1. To obtain research center status
 2. To set up technology incubator

SCIENCE AND HUMANITIES

1. Name of the Department : **SCIENCE AND HUMANITIES**
2. Year of Establishment : **2007**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Name of course (UG) B.E./ B.TECH.	Year of establishment	Sanctioned strength
BME	2012-13	60
CIVIL	2011-12	60
CSE	2007-08	60
ECE	2007-08	60
ECE	2008-09	120
EEE	2007-08	60
IT	2007-08	60
MECH.	2009-10	60
MECH.	2011-12	120

4. Names of Interdisciplinary courses and the departments/units involved
 - Department of Biomedical Engineering
Circuit theory, Electronic Devices and Circuits, Circuit Device Lab, Engineering Practice Lab
 - Department of Electrical and Electronics Engineering
Engineering Practice Lab, Basic Electrical and Electronics Engineering, Circuit theory, Electric Circuits Lab
 - Department of Electronics and Communication Engineering
Electronic Devices, Circuit theory, Engineering Practice Lab, Circuits and Devices Lab
 - Department of Mechanical Engineering
Engineering Graphics, Basic Mechanical, Engineering Mechanics, Computer Aided Drafting and Modeling Lab, Engineering Practice Lab
 - Department of Civil Engineering
Engineering Graphics, Basic Mechanical, Engineering Mechanics, Computer Aided Drafting and Modeling Lab, Engineering Practice Lab
 - Department of Computer Science and Engineering
Digital Principles and System Design, Programming and Data Structures I, Digital Lab, Programming and Data Structures I Lab, Computer Programming, Computer Programming Lab I, Computer Programming Lab II
 - Department of Information Technology
Principles and System Design, Programming and Data Structures I, Digital Lab, Programming and Data Structures I Lab, Computer Programming, Computer Programming Lab I

5. Annual/ semester/choice based credit system (program wise)
Semester system
6. Participation of the department in the courses offered by other departments
- Department of Biomedical Engineering
Transforms and Partial Differential Equations, Probability and Random Processes, Communication Skill lab
 - Department of Electrical and Electronics Engineering
Transforms and Partial Differential Equations, Numerical Methods, Applied mathematics for Electrical Engineer's, Communication Skill lab
 - Department of Electronics and Communication Engineering
Transforms and Partial Differential Equations, Probability and Random Processes, Applied mathematics for Electrical Engineer's, Communication Skill lab
 - Department of Mechanical Engineering
Transforms and Partial Differential Equations, Statistics and Numerical Methods, Advanced Numerical Methods, Communication Skill lab
 - Department of Civil Engineering
Transforms and Partial Differential Equations, Numerical Methods, Environmental Science and Engineering, Communication Skill lab
 - Department of Computer Science and Engineering
Transforms and Partial Differential Equations, Probability and Queuing Theory, Discrete Mathematics, Numerical Methods, Applied probability and Statistics, Communication Skill lab
 - Department of Information Technology
Transforms and Partial Differential Equations, Probability and Queuing Theory, Communication Skill lab
7. Courses in collaboration with other universities, industries, foreign institutions, etc.
Value Added Course Detail with MoU*

Dawn India Career Solutions Private Limited - Language Training Course, 2013-2014.
8. Details of courses/programmes discontinued (if any) with reasons : NIL
9. Number of Teaching posts

	Sanctioned	Filled
Professors	4	2
Associate Professors	8	-
Assistant Professors	24	31

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt.

S.No	Name of Teaching Staff	Designation	Qualification	Specialization	No. of years' experience	No. of .Ph.D. Students guided for the last 4 years
Department of Science & Humanities						
Mathematics						
1	Dr. C.Kailasam	Professor & Director	M.Sc., Ph.D.	Statistics, Operational Research	37.2	-
2	Ms. K.Lalithamani	Assistant Professor	M.Sc., MCA., M.Phil., (Ph.D.)	Data mining	15	NIL
3	Ms. A.Senthil Vadivu	Assistant Professor	M.Sc., M.Phil., (Ph.D.)	Functional Analysis	11.5	NIL
4	Ms. D.Subbulakshmi	Assistant Professor	M.Sc., M.Phil., (Ph.D.)	Queuing Theory	7	NIL
5	Ms. K.C.Radhamani	Assistant Professor	M.Sc., M.Phil., B.Ed.	Functional Analysis	5.3	NIL
6	Ms. G.Thenmozhi	Assistant Professor	M.Sc., M.Phil., (Ph.D.)	Fuzzy Functional Analysis	5.5	NIL
7	Ms. R.Jeevitha	Assistant Professor	M.Sc., M.Phil.	Topology	4.8	NIL
8	Ms. V.Nalini	Assistant Professor	M.Sc., M.Phil.	Graph Theory	4.3	NIL
9	Ms. N.Janaki	Assistant Professor	M.Sc., M.Phil.	Differential equations	4.2	NIL
10	Ms. S.P.Priyadharshini	Assistant Professor	M.Sc., (M. Phil.)	Mathematics	3.10	NIL
11	Ms. S.Malathi	Assistant Professor	M.Sc., B.Ed.	Mathematics	1.5	NIL
12	Ms. R.Mohana Priya	Assistant Professor	M.Sc., M.Phil.	Graph Theory	0.11	NIL
13	Mr. R.Pradeep	Assistant Professor	M.Sc., M.Phil.	Operator theory	0.10	NIL
English						
14	Dr. Sucheeta Ramachandran	Professor and Head	M.A., M.Phil., B.Ed., Ph.D.	Afro-American Literature	29.8	NIL
15	Ms. Latha. K. Menon	Assistant Professor	M.A., M.Ed., M.Phil., (Ph.D.)	Indian Writing (Fiction)	16.10	NIL
16	Ms. Kavitha Prabhakaran	Assistant Professor	M.A., M.Phil., (Ph.D.)	English Literature	8	NIL
17	Ms. J.Sasirekha	Assistant Professor	M.A, B.Ed., M.Phil., (Ph.D.)	English Literature	5.11	NIL
18	Mr. V.Lokesh Kumar	Assistant Professor	M.A, B.Ed., M.Phil.	English Literature	6.3	NIL
Physics						
19	Ms. S.Bhuvana	Assistant Professor	M.Sc., M.Ed., M.Phil., (Ph.D.)	Electronics	13.6	NIL
20	Mr. C.Selvakumar	Assistant Professor	M.Sc., M.Ed., (Ph.D.)	Physics	10.8	NIL
21	Dr. L.Kungumadevi	Assistant Professor	M.Sc., M.Phil., Ph.D.	Nanomaterials	8.11	NIL
22	Ms. G.Thilakavathi	Assistant Professor	M.Sc., M.Phil., (Ph.D.)	Molecular Spectroscopy	5.9	NIL

23	Ms. P.Balasundari	Assistant Professor	M.Sc., M.Phil.	Solid State Physics	4.6	NIL
24	Dr. T.Arunkumar	Assistant Professor	M.Sc., Ph.D.	Solar energy	2.7	NIL
26	Dr. M.Jagadesh	Assistant Professor	M.Sc., M.Ed., Ph.D.	Test and Measurement	1.10	NIL
27	Dr. K.Girija	Assistant Professor	M.Sc., M.Phil., Ph.D.	Nanomaterials	0.10	NIL
Chemistry						
28	Ms. N.Nalini	Assistant Professor	M.Sc., M.Phil., (Ph.D.)	Organometallic Chemistry	12 .10	NIL
29	Ms. R.Kavitha	Assistant Professor	M.Sc., M.Phil.	Organometallic Chemistry	9	NIL
30	Mr. S.Sathiyaraj	Assistant Professor	M.Sc., M.Phil. (Ph.D.)	Coordination & Organometallic Chemistry	2 .1	NIL
31	Ms. K.S.Thangamani	Assistant Professor	M.Sc., M.Phil. (Ph.D.)	Environmental chemistry	4.3	NIL
32	Ms. S.Uma Priya	Assistant Professor	M.Sc., M.Phil.	Physico-Organic Chemistry	4.10	NIL
33	Ms. A.Thamaraiselvi	Assistant Professor	M.Sc., M.Phil.	PhytoChemistry	1.3	NIL

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : NIL

13. Student -Teacher Ratio (programme wise)

S. No.	Program/Course	Total number of Faculty	Total number of Students	Faculty : Student Ratio
1	B.E./B.TECH. 2013-14	33	472	1:14
2	B.E./B.TECH. 2012-13	31	532	1:15
3	B.E./B.TECH. 2011-12	23	403	1:16
4	B.E./B.TECH. 2010-11	17	360	1:21
5	B.E./B.TECH. 2009-10	18	370	1:21
6	B.E./B.TECH. 2008-09	16	284	1:18
7	B.E./B.TECH. 2007-08	10	130	1:8

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Academic support staff (Technical)	2	2
Administrative staff	1	1

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D./ MPhil/PG.

Ph.D. – 6 M.Phil. – 24 PG - 3

16. Number of faculty with ongoing projects from
a) National b) International funding agencies
and grants received : NIL
17. Departmental projects funded by DST-FIST;
UGC, DBT, ICSSR, etc. and total grants received : NIL
18. Research Centre /facility recognized by the
University : NIL
19. Publications:
a) Publication per faculty
- Number of papers published in peer reviewed
journals (national / international)
by faculty and students :17
 - Number of publications listed in
International Database (For Eg: Web of Science,
Scopus, Humanities International Complete,
Dare Database - International Social
Sciences Directory, EBSCO host, etc.)
 - Monographs
 - Chapter in Books :1
 - Books Edited
 - Books with ISBN/ISSN numbers with details of publishers
 - Citation Index :NIL
 - SNIP :NIL
 - SJR :NIL
 - Impact factor :NIL
 - h-index :NIL
20. Areas of consultancy and income generated :NIL
21. Faculty as members in
- a) National committees : NIL
 - b) International Committees : NIL
 - c) Editorial Boards : NIL
22. Student projects -NIL
- a) Percentage of students who have done
in-house projects including inter
departmental/program : NIL
 - b) Percentage of students placed for projects
in organizations outside the institution i.e.in
Research laboratories/Industry/other agencies: NIL
23. Awards/ Recognitions received by
faculty and students : NIL

24. List of eminent academicians and scientists/ visitors to the department
- Dr. J.Hemalatha , Assistant Prof. - NIT-Trichy
 - Dr. V. Ramakrishnan, Principal - Dr.NGP College of Education
 - Dr. K.Natarajan, Prof. Emeritus, Department of Chemistry- Bharathiar University, Coimbatore
 - Dr. P.K.Ponnusamy, Former Vice Chancellor, Madurai Kamaraj University, National Science Day Lecture Series
 - Dr.E.Serezen Jayakumar, Director, (Academics) SNR Sons Charitable Trust, Coimbatore.
 - Prof. S.Thangavelu, Dept. of Mathematics, IISC, Bangalore.
 - Prof. M.Lakshmanan, Centre of Non Linear Dynamics, School of Physics, Bharathiar University.
 - Ms. Samathmika Balajee, University of Leeds, U.K.
25. Seminars/ Conferences/Workshops organized & the source of funding : NIL
26. Student profile program/course wise
Details are maintained by Engineering Department

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Ist UG All Branches			
2007-2008	30.36	69.64	-
2008-2009	84.15	15.84	-
2009-2010	78.86	21.14	-
2010-2011	84.40	15.59	-
2011-2012	95.53	4.46	-
2012-2013	91.35	8.65	-
2013-2014	96.41	3.59	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? : NIL

29. Student progression (Year wise): NIL

Student progression	Against % enrolled
UG to PG	NA
PG to M.Phil..	
PG to Ph.D..	
Ph.D.. to Post-Doctoral	

Student progression	Against % enrolled
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Library (Department):
- b) Number of books :311
- c) Number of journals :NIL
Others :NIL
- d) Internet facilities for Staff & Students
Wired -Yes
Wi-Fi -Yes
- d) Class rooms with ICT facility : Yes
- f) Laboratories

S. No	Name of the laboratory	Total cost (Equipment in Rs.)
1	Physics Laboratory	8,41,230.50
2	Chemistry Laboratory	3,76,446.00
3	Language Lab	14,37,329.20

31. Number of students receiving financial assistance from college, university, government or other agencies : 472

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

S. No.	Year	Name of the Programme	Number of students benefited
1	2012-2013	Motivational Talk- The power of youth	First Year Students
2	2012-2013	Responsibilities of youth in research and development	First Year Students
3	2012-2013	State Level Seminar	First Year Students
4	2012-2013	National Science Day Special	First Year Students
5	2013-2014	Enhancement Program	First Year Students

33. Teaching methods adopted to improve student learning:
Seminars, Lecturers, Assignments, PowerPoint presentation, Interactive Board etc

34. Participation in Institutional Social Responsibility (ISR) and Extension activities
- First aid awareness programme at Vaziyapalayam, Coimbatore, 2014
 - Social awareness on kitchen gardening at Veeriyampalayam, 2014
 - Anti-liquor awareness rally, Commissioner's office to VOC ground, Coimbatore, 2014
 - IWN Coimbatore Zone, Blood Donation Campaign (Indian Women Network & CII, Confederation Indian Industry)
35. SWOC analysis of the department and Future plans
- Strength:
 1. Well-equipped laboratories
 2. State of the art Language Laboratory
 3. Close mentoring and monitoring of students and healthy faculty-student relationship
 4. Bridge courses and remedial teaching sessions are conducted for the students
 5. Qualified and experienced faculty in all basic sciences
 6. Social awareness and social responsibility are instilled in the students through a number of extension activities
 - Weakness:
 1. Initial difficulties in establishing a common ground for socio-economic relation
 2. Overcoming initial barriers in the medium of instruction
 3. Encouraging students to acquire good communication skills
 - Opportunities:
 1. To foster unmistakable professional attitude and progress with confidence.
 2. To foster interest in advanced level exams (NCAT)
 - Challenges:
 1. Students are trained in technical language to make their communication more effective
 - Future Plan:
 1. To set up research centres
 2. Motivate faculty to receive funded projects

**DECLARATION BY THE
HEAD OF THE
INSTITUTION**



Dr. N.G.P. INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

An ISO 9001 : 2008 Certified Institution

Dr. N.G.P. - Kalapatti Road, Coimbatore - 641 048, India.

Phone : 0422 - 2369105, 2629362 Fax : 0422 - 2369106

E-mail : info@drngpit.ac.in Web : www.drngpit.ac.in

Declaration by the Head of the Institution

I certify that the data included in this Self-Study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Signature of the Head of the Institution
with seal:

**Dr. K. PORKUMARAN, M.E., Ph.D., SMIEEE., MISTE, MIE.,
PRINCIPAL
Dr. N.G.P. INSTITUTE OF TECHNOLOGY
COIMBATORE-641048.**

Place: Coimbatore

Date: 11.06.2014



ANNEXURE

Ph. 23236351, 23232701, 23237721
23234116, 23235733, 23232317
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)
UGC Website: www.ugc.ac.in

F. No. 8-427/2013 (CPP-I/C)

The Registrar,
Anna University
Chennai – 600 025
Tamil Nadu

Sub: - Recognition of College under Section 2 (f) of the UGC Act, 1956.

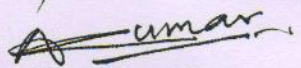
Sir,

I am directed to refer to the letter no. KMCT/544/10/2013 dated 10-10-2013 received from the Principal, Dr. N.G.P. Institute of Technology, Kalapatti Road, Coimbatore – 641 048, Tamil Nadu on the above subject and to say that it is noted that the College is **un-aided/self financed** and on **Temporary** affiliation to **Anna University, Chennai**. I am further to say that the name of the following College has been included in the list of Colleges prepared under Section 2 (f) of the UGC Act, 1956 under the head **Non-Government** Colleges teaching upto **Master's Degree**:-

Name of the College	Year of Establishment	Remarks
Dr. N.G.P. Institute of Technology, Kalapatti Road, Coimbatore – 641 048, Tamil Nadu.	2007	The college does not fulfill the requirement of permanent affiliation. Therefore, the college is not eligible to receive Central assistance under Section 12 (B) of the UGC Act, 1956.

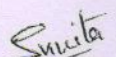
The Indemnity Bond and the other supporting documents submitted in respect of the above College have been accepted by the University Grants Commission.

Yours faithfully,


(Ajay Kumar)
Education Officer

Copy to:-

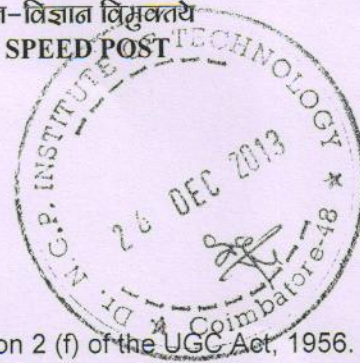
1. The Principal, Dr. N.G.P. Institute of Technology, Kalapatti Road, Coimbatore – 641 048, Tamil Nadu.
2. The Secretary, Government of India, Ministry of Human Resource Development, Department of Secondary Education & Higher Education, Shastri Bhavan, New Delhi – 110 001.
3. The Secretary, Higher Education Deptt., Government of Tamilnadu, Secretariat, Chennai – 600 009, (Tamil Nadu).
4. The Joint Secretary, UGC, South Eastern Regional Office (SERO), P.B. No. 152, A.P.S.F.C. Building, IV Floor, 5-9-194, Chirag Ali Lane, Hyderabad - 500 001, (Andhra Pradesh).
5. Publication Officer, (UGC-Website), New Delhi.
6. Section Officer (F.D.-III Section) U.G.C., New Delhi.
7. Guard file.


(Sunita Khanna)
Section Officer



विश्वविद्यालय अनुदान आयोग
बहादुरशाह जफर मार्ग
नई दिल्ली-110 002
UNIVERSITY GRANTS COMMISSION
BAHADURSHAH ZAFAR MARG
NEW DELHI-110 002

ज्ञान-विज्ञान विमुक्तये
SPEED POST



December, 2013

21 DEC 2013



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

F.No. Southern/1-1407282892/2013/EOA

Date: 19-Mar-2013

To,
The Principal Secretary
(Higher Education) Govt. of Tamil Nadu,
N. K. M. Bld. 6th Floor Secretariat,
Chennai-600009

Sub: Extension of approval for the academic year 2013-14

Ref: Application of the Institution for Extension of approval for the academic year 2013-14

Sir/Madam,

In terms of the provisions under the All India Council for Technical Education (Grant of Approvals for Technical Institutions) Regulations 2012 notified by the Council vide notification number F-No.37-3/Legal/2012 dated 27/09/2012 and norms standards, procedures and conditions prescribed by the Council from time to time, I am directed to convey the approval to

Regional Office	Southern	Application Id	1-1407282892
		Permanent Id	1-4311754
Name of the Institute	DR N.G.P.INSTITUTE OF TECHNOLOGY	Institute Address	DR N.G.P.NAGAR, KALAPATTI ROAD COIMBATORE PIN :641 048, COIMBATORE, COIMBATORE, Tamil Nadu, 641014
Name of the Society/Trust	KOVAI MEDICAL CENTER RESEARCH AND EDUCATIONAL TRUST	Society/Trust Address	KOVAI MEDICAL CENTER RESEARCH AND EDUCATIONAL TRUST, KMCH CAMPUS, AVANASHI ROAD COIMBATORE,COIMBATORE,COIMBATORE,Tamil Nadu,641014
Institute Type	Unaided - Private		

Opted for change from Women to Co-ed	No	Opted for change of name	No	Opted for change of site	No
Change from Women to Co-ed approved	Not Applicable	Change of name Approved	Not Applicable	Change of site Approved	Not Applicable

to conduct following courses with the intake indicated below for the academic year 2013-14

Application Number: 1-1407282892*

Page 1 of 4

Note: This is a Computer generated Extension of Approval Letter. No signature is required.

Letter Printed On:20 March 2013.

Printed By : ae859241



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Application Id: 1-1407282892			Course	Full/Part Time	Affiliating Body	Intake 2012-13	Intake Approved for 13-14	NRI	PIO	Foreign Collaboration
Program	Shift	Level								
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	INFORMATION TECHNOLOGY	FULL TIME	Anna University, Chennai	60	60	No	No	No
ENGINEERING AND TECHNOLOGY	1st Shift	UNDER GRADUATE	MECHANICAL ENGINEERING	FULL TIME	Anna University, Chennai	120	120	No	No	No
MANAGEMENT	1st Shift	POST GRADUATE	BUSINESS ADMINISTRATION	FULL TIME	Anna University, Chennai	120	120	No	No	No
MCA	1st Shift	POST GRADUATE	MASTERS IN COMPUTER APPLICATIONS	FULL TIME	Anna University, Chennai	60	60	No	No	No

- Validity of the course details may be verified at www.aicte-india.org/departments/approvals

The above mentioned approval is subject to the condition that DR.N.G.P.INSTITUTE OF TECHNOLOGY shall follow and adhere to the Regulations, guidelines and directions issued by AICTE from time to time and the undertaking / affidavit given by the institution along with the application submitted by the institution on portal.

In case of any differences in content in this Computer generated Extension of Approval Letter, the content/information as approved by the Executive Council / General Council as available on the record of AICTE shall be final and binding.

Strict compliance of Anti-Ragging Regulation:- Approval is subject to strict compliance of provisions made in AICTE Regulation notified vide F. No. 37-3/Legal/AICTE/2009 dated July 1, 2009 for Prevention and Prohibition of Ragging in Technical Institutions. In case Institution fails to take adequate steps to Prevent Ragging or fails to act in accordance with AICTE Regulation or fails to punish perpetrators or incidents of Ragging, it will be liable to take any action as defined under clause 9(4) of the said Regulation.

(Dr. Kuncheria P. Isaac)

Member Secretary, AICTE



All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)

7th Floor, Chandralok Building, Janpath, New Delhi- 110 001
PHONE: 23724151/52/53/54/55/56/57 FAX: 011-23724183 www.aicte-India.org

Copy to:

1. **The Regional Officer,**
All India Council for Technical Education
Shastri Bhawan 26, Haddows Road
Chennai - 600 006, Tamil Nadu
2. **The Director Of Technical Education,**
Tamil Nadu
3. **The Registrar,**
Anna University, Chennai
4. **The Principal / Director,**
DR N.G.P. INSTITUTE OF TECHNOLOGY
DR N.G.P. NAGAR,
KALAPATTI ROAD
COIMBATORE
PIN :641 048,
COIMBATORE, COIMBATORE,
Tamil Nadu,641014
5. **The Secretary / Chairman,**
KOVAI MEDICAL CENTER RESEARCH AND EDUCATIONAL TRUST
KOVAI MEDICAL CENTER RESEARCH AND EDUCATIONAL TRUST,
KMCH CAMPUS,
AVANASHI ROAD
COIMBATORE,
COIMBATORE, COIMBATORE,
Tamil Nadu,641014
6. **Guard File(AICTE)**



Dr. N.G.P. INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

An ISO 9001 : 2008 Certified Institution

Dr. N.G.P. - Kalapatti Road, Coimbatore - 641 048, India.

Phone : 0422 - 2369105, 2629362 Fax : 0422 - 2369106

F-mail: info@drnpg.ac.in Web: www.drnpg.ac.in

Certificate of Compliance

(Affiliated/Constituent/Autonomous Colleges and Recognized Institutions)

This is to certify that Dr. N.G.P. Institute of Technology fulfils all norms

1. Stipulated by the affiliating University and/or
2. Regulatory Council/Body [such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.] and
3. The affiliation and recognition [if applicable] is valid as on date.

In case the affiliation / recognition is conditional, then a detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Date : 11.06.2014
Place: Coimbatore



Principal/Head of the Institution
(Name and Signature with Office seal)

Dr. K. PORKUMARAN, M.E., Ph.D., SMIEEE., MISTE, MIE.,
PRINCIPAL

Dr. N.G.P. INSTITUTE OF TECHNOLOGY
COIMBATORE-641048.