



YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

1.Name of the Institution

Dr. N.G.P. INSTITUTE OF TECHNOLOGY

• Name of the Head of the institution

Dr. S.U. Prabha

• Designation

Principal

• Does the institution function from its own campus?

Yes

• Phone no./Alternate phone no.

04222369102

• Mobile no

8754955886

• Registered e-mail

principal@drngpit.ac.in

• Alternate e-mail

naac@drngpit.ac.in

• Address

Dr. NGP Nagar, Kalapatti Road

• City/Town

Coimbatore

• State/UT

Tamil Nadu

• Pin Code

641048

2.Institutional status

• Affiliated /Constituent

Affiliated

• Type of Institution

Co-education

• Location

Semi-Urban

- Financial Status **Self-financing**
- Name of the Affiliating University **Anna University, Chennai**
- Name of the IQAC Coordinator **Dr.P.Sampath / Dr. B. Shreeram**
- Phone No. **04222369145**
- Alternate phone No. **04222369105**
- Mobile **9790935543**
- IQAC e-mail address **iqac@drngpit.ac.in**
- Alternate Email address **shreeram@drngpit.ac.in**

3.Website address (Web link of the AQAR (Previous Academic Year)

<http://www.drngpit.ac.in/agar2019-20.php>

4.Whether Academic Calendar prepared during the year?

Yes

- if yes, whether it is uploaded in the Institutional website Web link:

<https://www.drngpit.ac.in/Academic-Calendar.html>

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.81	2015	03/03/2015	02/03/2020

6.Date of Establishment of IQAC

14/03/2015

7.Provide the list of funds by Central / State Government

UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Computer Science Engineering	ATAL Faculty Development Programme	AICTE	2020-2021	93000

8.Whether composition of IQAC as per latest NAAC guidelines

Yes

- Upload latest notification of formation of IQAC

[View File](#)

9.No. of IQAC meetings held during the year **3**

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report No File Uploaded

10.Whether IQAC received funding from any of the funding agency to support its activities during the year? **No**

- If yes, mention the amount

11.Significant contributions made by IQAC during the current year (maximum five bullets)

Received NAAC A+ Accreditation, Applied for Autonomous Status to UGC and Anna University

NBA Compliance report submitted for five programmes (MECH, ECE, EEE, BME, CSE)

Annually A&A Audits and green audit are conducted.

Submitted DOTE KRA- Key Result Area

Submitted Data quest ranking, MHRD IIC Activities and received 4.5 star rank.

12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
To apply for Autonomous status with Anna University Chennai	Application Submitted
To apply for Autonomous status with UGC, New Delhi	Application Submitted
To renew NBA for 5 programs - BME, ECE, EEE, CSE and MECHANICAL	Extension received for 1 year
NAAC Accreditation	Received A+ (3.36/4) grade
Formulation of various statutory committees for smooth functioning of Autonomous	Committees formulated

13. Whether the AQAR was placed before statutory body? **Yes**

- Name of the statutory body

Name	Date of meeting(s)
Governing Council	06/08/2021

14. Whether institutional data submitted to AISHE

Part A

Data of the Institution

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• Name of the Head of the institution	Dr. S.U. Prabha
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• Pin Code	641048
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• if yes, whether it is uploaded in the Institutional website Web link:	https://www.drngpit.ac.in/Academic-Calendar.html				
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6.Date of Establishment of IQAC			14/03/2015		
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Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
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<ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report 	No File Uploaded	
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<ul style="list-style-type: none"> If yes, mention the amount 		
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Name	Date of meeting(s)
Governing Council	06/08/2021
14. Whether institutional data submitted to AISHE	
Year	Date of Submission
2020-2021	25/01/2020
15. Multidisciplinary / interdisciplinary	
16. Academic bank of credits (ABC):	
17. Skill development:	
18. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)	

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):**20.Distance education/online education:****Extended Profile****1.Programme**

1.1	502
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	1914
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2	509
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	View File

2.3	549
Number of outgoing/ final year students during the year	

File Description	Documents
Data Template	View File

3.Academic

3.1	181
Number of full time teachers during the year	
File Description	Documents
Data Template	No File Uploaded
3.2	181
Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	68
Total number of Classrooms and Seminar halls	
4.2	1174.44
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	1036
Total number of computers on campus for academic purposes	

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Dr.N.G.P. Institute of Technology, affiliated with Anna University, Chennai, follows a well-planned and documented process for effective curriculum delivery. The institute adopts the curriculum framed by the university for the various regulations. There are various Academic Committees such as Internal Quality Assurance Cell(IQAC), Department Advisory Board (DAB), Program Assessment Committee (PAC), and Academic Development Cell (ADC) to ensure effective curriculum planning and delivery. Periodical meetings are conducted with stakeholders to evolve various strategies and monitoring mechanisms are in place. Based on the

academic schedule of the affiliating university, the Institute prepares the academic calendar which comprises various academic, professional, and extracurricular activities of the institution and departments for each semester. Course allotment is done based on the skill matrix, experience, and performance of the faculty. Monitoring of course delivery and syllabus completion is done through Tutor Ward Meetings, Class Committee Meetings, and End-Semester Meeting. HoD monitors the conduct of classes, tutorial sessions, and student performance. Tutorial sessions are conducted to facilitate group interaction and learning for active learning and problem-solving. Feedback on curricular aspects is collected from the stakeholders. Quality checks of academic programs are carried out through academic and administrative audits.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	NA

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Being an affiliated Institute, the university schedule is reflected in the Institutes own academic calendar. The academic calendar containing plans for curricular and co-curricular activities based on the available working/teaching days as per university norms are prepared by IQAC. It also includes the process of CIE while designing the academic calendar of the Institute. Based on Institutes academic calendar, department prepares its own academic calendar showcasing events planned by individual departments. The academic calendar is then made known to all faculties before the commencement of the semester. The process of CIE included the academic calendar of the Institute are listed below: Theory Courses: Display of the Scheduling of internal examination dates, seating arrangements, hall invigilators and squad duty list for every examination. Submission of question paper for the internal examination in the prescribed pattern at ADC. The date of exams prescribed in the academic calendar is followed by every department for conducting the internal exam. Internal Exam marks of each courses are entered in the Keyin campus portal for performance analysis. Result review meeting are conducted with Faculty, HoD and Principal. Every

department conducts seminar presentation by the student on the in-plant training undergone by them during their vacation holidays as per academic calendar of the department. At the end of the semester, HoD verifies the conduct of activities as per the schedule and the report has been submitted to the Principal.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	NA

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.

Academic council/BoS of Affiliating University

Setting of question papers for UG/PG programs

Design and Development of Curriculum for Add on/ certificate/ Diploma Courses

Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

12

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

2

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

78

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Response:

Cross cutting issues relevant to gender, environment science, human values and professional ethics are

integrated into the policies of the institution. Students are

sensitized to issues related to gender discrimination, environmental change, and human rights through talks in forums, campaigns and village adoption. Faculty creates awareness on these issues during their interactions with students. Club activities also promote exchange of ideas and awareness of social responsibility.

Gender:

The Gender Equity Cell (GEC) was established in the year 2016, provides equal opportunities to both the genders in terms of admissions, activities, representation, leadership, trainings, employment. All the students receive equal attention in class rooms, labs, allocation of projects, leadership roles in department student's forums.

Women Development Cell (WDC) has been established in our institution since 2007. WDC and IEEE Women

in engineering affinity group initiates in organizing the seminars/lectures by inviting the specialist/eminent personalities to focus on women empowerment and promoting leadership qualities in women. Each year, women's day is celebrated inviting eminent speakers from various fields of prominence in the society.

Environment Consciousness

The Institute has created a herbal garden inside the campus which is an island of medicinal varieties. Tree planting campaigns are organized in the institute vicinity. Renewable energy sources are effectively utilized across the campus by installing solar lamps, water heaters and solar panels. A campaign to save energy in classrooms was mobilized to save energy.

There is a course titled Environmental Science and Engineering (EVS) which highlights the causes, effects and control measures in environmental pollution, social issues in ecosystem and bio diversity. Courses like Environmental Impact Assessment, Air Pollution Management, Industrial Waste Management and Disaster management are chosen from the elective subject for imparting knowledge for environment management awareness.

Institute has established the Environmental Awareness Club (EAC) which takes care of environmental issues across the campus and organizes environmental activities like water day, national science day, earth day, Safe driving, living smoke-free, to promote

the behavioral changes for environment protection. Many Projects are undertaken by final year students like flood prediction, water pollution, sewage treatment, air pollution, vehicle pollution. Sustainability issues such as use of natural resources in building construction, materials, energy conservation are also dealt in projects.

Human Values: To inculcate good Human Values and Professional Ethics, the institute organizes several programs on Indian Heritage, culture, Gandhian thoughts, service to society, respect to others, work ethics, moral theories, animal welfare and adapting to corporate world of diverse global standards.

Professional Ethics:

Elective courses as Professional Ethics and Human Values create awareness on engineering ethics and human values, to instill moral and social values and loyalty and to appreciate the rights of others. The Institute also lays emphasis on conducting various programmes on human rights, voter's day, SWACHH Bharath.

Industrial visits, internships and field projects iterate the importance of team work, leadership quality and professional ethics. Plagiarism checks are made for final year projects reports and research papers.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

64

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

812

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders
Students
Teachers
Employers
Alumni

A. All of the above

File Description	Documents
URL for stakeholder feedback report	http://www.drngpit.ac.in/feedback
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	http://www.drngpit.ac.in/feedback

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

514

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

347

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Students of B.E./B.Tech are admitted through single window system of Tamilnadu Engineering Admissions (TNEA) based on their Higher Secondary Examination (HSC) marks. Every year the institute

organises Fresher's Meet and Induction Program for the students admitted to help them adjust to the new environment and inculcate in them the ethos of the institution.

The Institute assess the knowledge and skills of the students before the commencement of the programme by conducting Entry Level Assessment Test covering mathematics, basic sciences, language and soft skills. Based on the performance of students in the test, learning levels of the students are identified. Every student, after admission would be put through a Bridge Course organised by the institute which reinforces the fundamental concepts and the required skills for technical education.

Slow Learners: The Institute conducts special classes after every CIA to improve their academic performance. Separate timetable are scheduled for each course in the institute and hostel premises to clarify their doubts and re-explaining the difficult topics and follow-up tests are being conducted on need basis. The Institute organise special training sessions by the subject experts for the students to clear their backlogs. The Institute forms mentors for motivating them to reach particular academic goals. The performance of students is monitored and reported to the parents through college portal and PTA meeting. Modern pedagogical teaching methods such as peer group system, collaborative learning are adopted in which the advanced learners act as mentors for the slow learners to improve their performance.

Advanced Learners: The students are continuously motivated by the course instructor to obtain high marks in end semester exam which results in university ranks. Apart from academics, the students are encouraged to participate in various co-curricular activities like student competitions, symposia, conferences, workshops, project contests and hackathon to make them compete with real world. The Institute established industry powered centers and e-learning facilities to improve their learning ability to succeed in competitive exams and certification courses. The institute provides opportunity to the students to participate in research internship program through tie-up with foreign universities like UTP- Malaysia, FAU-USA and Wayne state university-USA.

File Description	Documents
Paste link for additional information	NIL
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
1914	181

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

The Institute being affiliated to Anna University, Chennai, the role in design and development of the curriculum is limited. However the Institute takes necessary measures to bridge the gap in the curriculum so as to provide experiential and participative learning.

Experiential Learning:

State of art laboratories have been established for students to impart the experiential learning through Theory to Practice (T2P) Lectures. Students and staff are encouraged to participate in IITPALS activities. The Institution has established various Industry Powered Centers and e-learning centers to improve their creative thinking in technical and research fields. Field visits have been organized as an extension of theory beyond classroom teaching.

Participative Learning:

Institute in association with professional societies and chapters organize various activities like Hackathon, IEEE Xtreme programming competition, HENOSIS, Project expo. Institute in collaboration with IIT PALS, MHRD Institution Innovation council, FORGE to promote creativity and critical thinking among students through active participation in webinars, project competitions, residential

training organized by them.

Institute tie up with foreign universities for research internship and attachment programs that equip them to excel in global competitions.

Problem Solving Methodologies:

Assignments in higher level of thinking are given to the students to break down ideas into simpler parts and find evidence to support self-learning abilities.

Students are encouraged to find out the solutions for real time problems via case studies, hackathon and field/industrial projects. Field visits, In-plant trainings have been organized through IIPC to make the students acquaint with industry standards and work ethics.

Tutorial classes are being conducted for analytical courses in which modern pedagogical tools like group tutorial, collaborative learning are practiced by the students for improving their problem solving ability.

Industry based projects are being carried by the students.

File Description	Documents
Upload any additional information	View File
Link for additional information	NIL

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

An ICT enabled campus and IP enabled library facilities provide the necessary support to student centric learning. Students engage in complex, challenging problems and collaboratively work towards a solution by connecting theoretical knowledge to real world problems. Teaching-learning is made more interesting and effective by the use of illustrations and demonstrations. Sophisticated equipment and tools are available in all the respective department laboratories and in library.

With the support of TLC, Innovative teaching learning methodologies and pedagogy tools adopted by faculty members to

enhance the learning experiences are as follows:

- Lecture with
 - demonstration in laboratories,
 - models/charts animation
 - field visit
 - Simulation based trainings
- Collaborative learning
- Brain storming
- Role play
- Flipped classroom
- Think-pair share
- Problem/Project based learning

Institution established e-learning facilities and resources like Swayam Prabha technology DTH channel, Center for Teaching Learning (TLC), EDUSAT, A-VIEW, VALUE Virtual Lab, IIT - B spoken tutorial, NPTEL, Learning Management System, e-books and e-journals, digital library to improve their creative thinking in technical and research fields.

Institution established industry powered centers like Center for Robotics - eYantra, Texas Instruments Center, NI LabVIEW academy, CISCO networking academy, Cyber security center, CDAC IoT research lab, Mathworks Academy, Salzer innovation centre to train the students on emerging technologies.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

171

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

181

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

49

File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

868.8 years

File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

Institution follows a transparent and robust system for internal assessment framed by ADC. The process of continuous internal evaluation includes scheduling, conduction and post assessment.

Scheduling of CIE:

The Institute circulate the students calendar which covers the schedule of internal assessment at the beginning of each semester. The same is available in institution website, student portal and parent portal for ease of accessibility. Before each CIE, ADC releases a circular with the following activities:

- Question paper pattern,
- CIE schedule,
- Prepares the seating arrangement and displays in the students notice board,
- Collects and submits the syllabus competition status report from each course handling faculty to principal within a stipulated time,
- Availability of assessment test booklets in the department,
- Schedule of revision class,
- Preparation of question paper within a stipulated time,
- upload of CIE marks in the Key-in campus,

Conduct of CIE:

The department ADC coordinator as per the circular received from ADC does the following activities:

- Prepares a list of course experts who prepares the Question paper for each course,
- Prepares and circulate the list of invigilators for the CIE,

- Ensures the availability of answer scripts,
- Reports the list of absentees to principal for each exam,
- Submits the scripts to ADC for valuation.

The ADC does the following activities:

- Collects repository of question banks at dark room,
- Facilitates provision in dark room for setting up of Question Paper,
- Prepares the list of squad members to ensure strict vigilance and discipline to avoid malpractice,
- Ensures scrutiny of Question Paper by concerned head of the departments/subject expert,
- Distributes Question Paper on the day of the exam to respective department ADC coordinators,
- Student absenteeism for internal examination session is generated and SMS sent to parents mobile
- Collects and retains the written answer scripts in central valuation hall,
- Facilitates the evaluators to evaluate the answer scripts in central valuation hall,
- Ensures the completion of valuation and entry of CIE marks in key-in campus within stipulated time,
- Conducts periodical academic audits for CIA.

Post CIE:

The course instructor interacts with students about the scheme of evaluation and distributes the corrected answer script within stipulated time. The discrepancies in marks awarded will be rectified by the course instructor after getting approval from the HoD and Principal. If student is not able to attend an internal examination due to sports/placement/medical/academic reasons, then the student is given an opportunity to appear for re-test. The internal assessment marks are communicated to parents through SMS, parent portal and university portal and it can be viewed by the students/parents.

File Description	Documents
Any additional information	View File
Link for additional information	NIL

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

The institute has devised an efficient mechanism to deal with examination related grievances which is transparent in the pattern & conduction of CIE and rectification of grievances is time bound.

The institute organizes Fresher's meet for students enrolled in the first year and their parents in which the processes of the internal and external examinations are sensitized. University conducts examination and allocates 80% marks for the end semester exams and 20% marks from their performance in CIE. Marks secured in CIE and attendance is entered periodically in the University web portal for awarding of internal marks and generating of hall ticket for end semester examination.

HoDs/Faculty regularly address the students about the mechanism followed by the Institute such as conduct of examination as per academic calendar, time duration, mark allocation, conduct of re-test in CIE for special cases, central evaluation, discussion on answer scripts with scheme of evaluation, publication of result, photo copy of university answer script, applying for revaluation if deviation in marks, scope for challenging the revaluation result, grading system, securing university rank/distinction/class.

ADC and Exam cell have been constituted by the institute to address all examination and evaluation related grievances arising during CIE and end semester exam respectively.

Internal Evaluation:

The institute has a transparency in internal examination by giving the provision to students for reporting the discrepancy in question paper to hall superintendent, who intimates to ADC and Principal. Further, the grievance will be conveyed to the respective HoD for rectification. Also, the corrective actions will be carried out by the concerned HoD to make the examination process error free in upcoming exams. The evaluated answer scripts are distributed to concerned students to verify the marks awarded based on the scheme of evaluation. In case of discrepancy, students clarify and get it rectified by the concerned faculty. After this process, CIE marks and attendance will be entered in the portal, which can be viewed by the students. The institute implemented corrective measures redressed by the students in CCM, TWM, PTA, Mentoring meeting are listed below:-

- Preparing special time table for recapitulating the course content delivered
- Arranging revision classes on the day of exam
- Rescheduling of exam on need basis
- Formatting of answer booklet for CIE similar to university answer booklets
- Revising the question pattern in line with university norms

University Evaluation:

The institute displays the schedule of exam circulated by the affiliating university. The internal mark is viewed by students and it is displayed in the student notice board. Feedback on university question paper is submitted to the exam cell. The discrepancies such as data missing, lengthy question, out of syllabus are communicated to the university through online web portal on the day of exam itself. After the university results are published, the student can receive the photocopy of answer script for applying revaluation/ challenge re-valuation on need basis. Students with health issues/partial disability can approach the university through institute exam cell for allocating separate venue and providing extra time

File Description	Documents
Any additional information	View File
Link for additional information	NIL

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Vision, mission, and PEOs are published on the college website (www.drngpit.ac.in), department website (<http://www.drngpit.ac.in/bio-medical.php>), and also circulated to the students through Email and by uploading posters in the social networking sites (<http://fb.com/bmedidians>).

Posted Location: Banner is exhibited in the main foyer of the Department ("A" Block - 3rd Floor). They are also prominently displayed on the Department notice boards, Laboratory notice boards, Cabin of all faculty members, HoD cabin, Department library, and Classrooms.

Catalogs: Distributed to the students during admission and to the industries. Apart from this, the catalogs are disseminated to all the stakeholders of the program through faculty meetings, parent-teacher meetings, Alumni meets, Workshops, Seminars, conferences, FDP, Educational fairs, and also through electronic media.

Curricular Books and Department Publications: Vision and Mission are published in the Academic Calendar, Practical Observation, Record Note, Handbook, Faculty Logbook, Department Magazine, and Newsletter.

Process of dissemination among stakeholders

The statements of vision, mission, and PEOs are disseminated among stakeholders during admission, student awareness workshops, student induction programs, Parent-Teacher meetings, Alumni meets, department advisory board meetings, and other intradepartmental meetings.

The Stakeholders includes:-

Internal stakeholder:

Management - Coordinate the activities of a program in order to achieve defined objectives.

Governing Council - Approves the mission and strategic vision of the department.

Academic Council - Exercises general supervision and guidance over the academic work of the institution to carry forward the objectives.

Department Advisory Board - Approves the PEOs and provides suggestions to the department for achieving the Programme effectiveness.

- - Act as channels for mission accomplishment.
- - Adapt the vision, mission, and PEOs for professional development.

External stakeholders:

- - Ambassadors for providing constructive suggestions for the smooth functioning of the institution.

Alumni - Brand Ambassadors carrying the mission forward.

Professional Bodies -IEEE, BMESI, SEEE, ISTE - support for excellence in education through awards and other forms of recognition.

Industry Representatives - Siemens Healthineers, GE Healthcare, Philips Healthcare, Medtronic, National Instruments, Kovai Medical Center and Hospitals, and Texas Instruments facilitate training, industrial visits, internships, and industrial projects.

Faculty from Renowned Institutions - IIT, IISc, IIST, TIER I Institutions, Foreign Universities - to handhold and suggest ways and means of delivering quality education.

Employer - Represents the major end-users of our graduates and gives inputs to overcome the gap between program and industry.

Accrediting Authorities - Accepted as agencies for the quality assurance process, under which our services and operations are evaluated.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://drngpit.ac.in/bio-medical.php
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

I. Procedure for Calculation of CO attainment

In the department, the level of attainment by the students in the courses is evaluated after every assessment continuously in each semester through the Course Outcomes. To evaluate the Course Outcomes the data is collected through Direct Assessment and Indirect Assessment.

Direct Assessment:

The direct assessment is measured from internal assessment and external assessment. The internal assessment for each course is done based on:

- i. Formative assessment through Multiple choice Questions - Online mode, Viva questions, observation and record - Cycle marks and,
- ii. Summative Assessment through internal test, class test, assignment, tutorial, model exam, mini-project.

Indirect Assessment:

The indirect assessment is measured through course end survey.

II Procedure for Calculation of PO/PSO attainment

PO attainment: The direct assessment is measured from 80 % CO attainment and indirect assessment is measured from 20% of Graduate Exit survey.

PSO attainment process: The direct assessment is measured from 80 % CO attainment and indirect assessment is measured from 10% of alumni survey and 10 % of graduate exit survey.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	NIL

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

541

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://drngpit.ac.in/igac.php

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://drngpit.ac.in/>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

16.82

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

14

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

1

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://aicte-india.org/schemes

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

The institute has innate tendency to foster the culture of innovation inside the campus through various clubs/cells/centers for the research community and academic fraternity. With the objective of innovation in mind a broad spectrum of initiative are implemented.

1. IIPC to provide opportunities for the students and faculty through field visit, industrial trainings,

internships, projects, industry lecture series, seminars, MoUs.

2. Institution Innovation Council (IIC) under MHRD innovation cell to nurture young professionals

by exposing them to new ideas and processes resulting in innovative and entrepreneurial activities.

3. Idea & Innovation Club under IIC to create awareness, educate, nurture and inculcate a culture of innovation aiming at idea and product innovation.

4. IIT Pals, an initiative of IITAIIC (IIT Alumni Interaction Centre), Chennai to channel the resources available within the IIT alumni community across the corporate, academic and entrepreneurial domains.

5. IPR cell to sensitize and create a conducive environment for protecting ideas and new innovations

6. Centers of Excellence to serve as a competence delivery center

and to address the current challenges in learning technology and implementation

7. Association with KMCH Research Foundation (DSIR approved) to conduct meetings, conferences, symposium and projects in health care research to disseminate and acquire information.

8. Dr. NGPIT - Aosta Technology Incubation Center to provide technical assistance to students in mobile app development.

9. Research Attachment Programme with foreign universities to create conducive environment for the development of product towards research contribution.

Outcomes:

IIPC has entered into agreement with 19 leading industries, research organizations and foreign universities. Around 211 students were collaborative activities has been carried out during this year

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

86

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year**3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year**

36

File Description	Documents
URL to the research page on HEI website	https://drngpit.ac.in/research.php
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year**3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year**

112

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year**3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year**

121

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The institute is taking various initiatives towards extension and outreach activities for the neighborhood community and motivates the student's social participation to understand the social issues with ethical values. A mission statement for inculcating these ethical standards through outreach programs is practiced. This is further incorporated into the curriculum.

The institute established 9 technical clubs and 11 non-technical clubs in which various extension and outreach activities like blood donation camp, swachh bharat, unnat bharat abhiyan, tree sapling, hazards of plastic use, traffic rule awareness rally were organized for the benefits of the neighborhood community. Students and staff took part in various activities in collaboration with government and non-governmental bodies, industry and community.

The institute has supported the village named Veeriyampalayam in which a hospital establishment and basic needs for education were carried out regularly. In collaboration with KMCH, the institute organized a Medical Camp and 1000 beneficiaries were screened for various tests like, B.P using Sphygmomanometer, Doppler ultrasound test, blood tests, ECG, CMT scanning and Fibro Scan.

The institute has adopted five villages under Unnat Bharat Abhiyan (UBA) namely Akkaraisengapalli, Palayur, Ganapathipudur, Kakkadavu, Jallipatti aiming at for transformational change in rural development processes to help build the architecture of an Inclusive India. The institute has conducted activities such as awareness camp, Swachhata Hi Sewa Campaign, customization of solutions and development of new technology for societal issues in each village. The institute has initiated 15 ideas to implement in the villages for the technology development

File Description	Documents
Paste link for additional information	NIL
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

NIL

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

10

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

158

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

193

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

19

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The Institute has established policies and procedures to create the infrastructure on par with requisite standards and norms, by adhering to the rules and regulation of regulatory bodies like AICTE, Anna University, etc. which includes human resources (Faculty, Technical and Administrative staff), laboratory equipment, built-up place, and learning resources. The institute aims at creation and enhancement of sustainable infrastructural facilities that supplement the teaching learning process. As such it successfully conducts the programmes offered in undergraduate, postgraduate and research level. The college spans over 18.93 acres of sprawling and a serene green campus. The campus has well planned infrastructure comprising of 48 ICT enabled class rooms, 2 drawing halls, 11 tutorial halls and elective classroom, 45 laboratories, 10 industry powered centers, 9 seminar halls, 9 board room, department and IP enabled central libraries, conference centre, center for e-learning with resources like Swayam Prabha technology DTH channel, EDUSAT, A-VIEW, IIT - B spoken tutorial, NPTEL local chapter, Learning Management System and Center for Teaching Learning (CTL), e-books and e-journals, digital library to improve creative thinking and skills in technical and research fields; In collaboration with AICTE funded IIPC, Institution established industry powered centers like Center for Robotics - e-Yantra, Texas Instruments Center, NI LabVIEW Academy, CISCO Networking Academy, Cyber Security Center, CDAC-IoT Research lab, Mathworks Academy, Salzer innovation centre to train the students on emerging technologies. The sports facilities like play grounds, indoor auditorium, gymnasium to motivate the team spirit and leadership qualities among students. Extensive computing facilities with 1092 terminals and 13 Wi-Fi hotspots at prominent locations connectivity with 88 Mbps leased lines are available throughout the campus.

Optimal deployment of infrastructure is ensured through conducting workshops awareness programs/training programs for faculty and students. Effective utilization of infrastructure is ensured through appointment of adequate and well qualified lab technicians/ system administrator. The available physical infrastructure is utilized beyond regular college hours, to conduct certificate courses, co-curricular activities/extra-curricular activities, campus recruitment training classes, campus

recruitments, meetings, seminars, conferences etc. It is used as NTC authorized center, examination centre for bank recruitment examinations, Government examinations/Online Examinations.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

To inculcate team spirit and leadership qualities among students, by encouraging the students to participate in various sports and games from inter-college level to national level with a qualified sports director. Sports facilities have been established for various games like cricket, football, basketball, and volleyball to ensure the focus of the institute in providing extra-curricular activities to the students.

Sports complex of the institution includes separate blocks (Sport Arena) for indoor games like Badminton, Table Tennis, Carrom and Chess. For outdoor games it has a Volleyball, Basketball, BallBadminton, Throw ball, Cricket, Football, Hockey, Tennicoit Court, Kho-Kho, Kabaddi grounds, 400m standard track - field (8 lane running track, Throwing events, Jumping events).

Gymnasium centre of the college has Treadmill, Cycling, Elliptical cross over machine, Leg press, Leg curl, Bench press, Leg extension, Shoulder press, Arm curl, Inner thigh press, Outer thigh press, Twister, Abdominal curl, Abdominal press, Chest press, Chest curl, Rowing machine, Weight plates 250Kg, Weight rod 2Kg and Dumbbell.

Regular cultural activities, on stage and off stage events were conducted through music & dramatic club of the institution, the talents in Dancing, Singing, Instrumental music, Dumb Charades, Mime shows etc., are identified and encouraged to participate in various cultural activities inside and outside the college.

Functions like Tech Fest, Independence Day, Republic Day, Sports day, Teacher's Day, Engineer's Day, Women's Day, Annual Day etc., are celebrated.

Extra-Curricular Activities

The college organizes events related to NSS, Yoga and YRC. There are nearly 25 different clubs pertaining to various topics of interest ranging from Health club to Robotics and others.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

68

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

67.32

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

OPAC (Online Public Access Catalogue) facility is made available through CAMPESiLIB Library Management Software to search the bibliographical details about the collections. Three separate nodes are made available in the Central Library for OPAC facility.

The college has central library and nine department libraries. The reading room is well furnished to accommodate 250 students at a time and provides conducive environment for study. Exclusive reference section is available in the library. E-gate entry and exit is maintained for students and staff. New arrivals of books and journals are displayed on separate stands and racks.

Security of resources is ensured through a system of checking at the exit point for all resources borrowed by the users. CCTV cameras are fixed in the library for strict surveillance.

Electronic Resource Management package for e-journals

The library subscribes IEEE All-Society Periodicals package, ELSEVIER Science Direct package and DELNET through IP based access. A well-equipped Digital Library with 16 nodes having Internet connectivity is housed in the Central Library for accessing e-resources. As the access facility to e-journals is multi-user and IP based, students can access the E-Resources from anywhere in the campus.

Library Automation:

All the active book collection is updated in the CAMPESiLIB Library Management Software database version 6.4.10 and the OPAC is available for the users. The issue and return of books has been activated with the CAMPESiLIB Library Management Software.

Facilities available:

Printers , Scanners, Photocopy Machine: 09

Internet bandwidth: 88 Mbps

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	NIL

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

19.70

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

295

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The institute has well structured IT facilities with 200Mbps bandwidth for 24x7 connectivity. The institution has wired and 15 Wi-Fi hotspot at prominent locations -wireless connectivity for use of students and faculty members across the campus including the hostel.

A separate team with in-house staff is constituted to take care of the IT & related needs of the campus such as Software Development, Hardware & Networking, Website designing & hosting, Email solutions, SMS solutions, etc.

IT infrastructure and internet facilities:

- 48Mbps of dedicated 1:1 leased line internet connectivity from BSNL and standby internet connectivity of 40Mbps from Internet Service Providers (ISP) - wire line solutions for education and research needs.

- MAC-binded 'Wi-Fi' provision at selective in-campus hubs and hostels.

Secured IT Infrastructure by Sophos XG Firewall and K7 Enterprise Endpoint Security software suite that supports 1000 users.

Desktops (1092) from various brands with latest processor capacity.

Compatible branded Higher-end servers (4) to meet the IT-specific tasks like file, database, virus and backup management.

Printers (66), Copiers (3) and Scanners (10) for document imaging and reprography.

Healthy connected 'CAMPUS-LAN' via structured Optical Fibre and CATx cabling throughout the entire campus for anywhere data access.

Piracy-free IT environment through proper licensing of software. Tailored 'Microsoft Campus Agreement (MCSA)' to utilize the latest Microsoft products.

A separate 'Open-source Lab' to extend open-source migration.

'Language Lab' with audio-video gadgets and state of the art communication teaching-learning tools.

Supportive IT atmosphere for NPTEL learning, A-VIEW workshop, EDUSAT, Value-added courses and various placement training programmes.

A dedicated helpdesk of 8 member technicians to address the computing and network issues.

Tie-up with leading assessment skill companies like TCS, Sify and Merittrac to conduct their authorized online tests.

Internet Accessibility: laboratories, class rooms, library, department, administrative area & seminar/AV halls.

Wi-Fi Availability: Classrooms, laboratories, department offices, hostels and library are connected through 802.11 a/b/g/n protocol.

IT Security Model: Secured IT infrastructure through sophos XG firewall to prevent unauthorized access with user privileges. Three-way Wi-Fi protection via IP restriction, MAC-binding & WPA/WPA2 password encryption.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

4.3.2 - Number of Computers

1036

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution **A. ? 50MBPS**

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

18.50

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

The institute has individual personnel's for maintaining the infrastructure by way of building maintenance, transport, furniture and generator operator in case of power shutdowns. Separate complaint registers are maintained for various services like electrical, plumbing, housekeeping etc. Maintenance technician of the college, reports regularly about the breakage of instruments and devices to the higher authority.

The maintenance committee is headed by the Office Superintendent, who in turn monitors the work of the supervisor at the next level. The supervisor is accountable to the office superintendent and functions as the coordinator who organizes the workforce, maintaining duty files containing details about their individual

floor - wise responsibilities, timings, leave etc. The maintenance officer conducts periodic checks to ensure the efficiency / working condition of the infrastructure.

Adequate in - house staff are employed to maintain hygiene, cleanliness and infrastructure on the campus so as to provide a congenial learning environment. classrooms, staffrooms, seminar halls and laboratories, etc are cleaned and maintained regularly by housekeeping and non - teaching staff assigned for each floor. Wash rooms and rest rooms are well maintained. Dustbins are placed in every floor. The green cover of the campus is maintained by a gardener.

Organization chart for maintenance of physical facilities

Optimum working condition of all properties/ equipment on the campus is ensured through annual maintenance contracts (AMC). The AMC purview includes maintenance of Generator, Elevator, Air Conditioners, CCTV cameras and Water purifiers. Apart from contract workers, the college has trained in - house electricians and plumbers.

Lab assistants under the supervision of the system administrator maintain the efficiency of the college computers and accessories.

Parking facility is well organized. It is efficiently maintained by security under the control of security officer.

The campus maintenance is monitored through surveillance cameras. Proper inspection is done and verification of stock takes place at the end of each year.

Periodic reporting on requirements of repairs and maintenance are submitted by the HODs to the administrative office. The requirements are collectively processed in every semester break so as to keep things ready for the new semester.

Pest control of library books and records is done every year by the maintenance department as well as the general campus.

Estate office manager and his team are involved in the maintenance of infrastructure facilities. This team looks after the regular maintenance of civil works such as furniture repairs, masonry and plaster works, painting, carpentry, plumbing and house-keeping.

The non-teaching staff are also trained in maintenance of

laboratory and computer equipment.

The Housekeeping office workers look after the maintenance of rest rooms, approach roads and neatness of the entire premises. Housekeeping services are regularly supervised.

The mechanism for maintenance in the institution is illustrated in the following figure.

A) Electrical Maintenance of Generator, UPS, Batteries

- The electrical maintenance team monitors the Generator, UPS, Batteries, and enter the condition/status of equipment in Log book.
- In case of major fault, the contractors are called for the service/replacement (belonging to equipment). The process is done based as per centralized procedure.

B) For Computer Laboratories (Utilization and Maintenance)

- Students and faculty members are provided separate login credentials to access the intranet and internet. Access to internet is provided in the lab even after college working hours. Apart from the regular lab classes, students are offered with programming languages by various value added courses which are conducted in the lab.
- Preventive maintenance and breakdown maintenance procedure is followed so as to ensure maximum availability of the systems in the lab. Installation of antivirus and firewall ensures that the software and system is secured. A daily status check on the hardware and software condition of the machines is undertaken and the same is noted in a register. This ensures that the problem is identified and rectified at an early stage itself.
- Breakdown maintenance wherein the system fails due to SMPS problem or boot failure is recorded in a register. If the problem is minor, the technical support staff of the lab rectify it. For major failures, support from vendor is taken.
- Periodic maintenance is done by regular cleaning of the lab spaces, software updates and antivirus updates.
- The stock in the laboratories were verified for the available equipment and discarded equipment, by a meticulous stock verification process by faculty team from other department.

C) Maintenance of Electrical and Electronic Equipment

- Regular maintenance of equipments are carried out at the end of every semester.
- Breakdown register is maintained in the laboratories.
- As per the requirement minor repairs are carried out by the lab assistant or faculty member.
- Maintenance of computers is taken care of by computer maintenance centre.
- Major repairs are outsourced by following the procedure of the institute.
- The faculty trainer kits are serviced- by service engineers of specified companies. The measuring instruments are calibrated regularly by standard companies.

Stock verification is done at the end of every year by the staff members from other departments and the report is submitted to the Principal.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

STUDENT SUPPORT AND PROGRESSION**5.1 - Student Support****5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year****5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year**

582

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

681

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	http://www.drngpit.ac.in/placement.php
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

556

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

556

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

479

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

12

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

14

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

03

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Dr.NGP.IT provides a platform for the active participation of the students in the various academic other administrative bodies / committees. The main purpose of this student council is to ensure harmony across an ample, vibrant, and continuous range of campus events and activities during the academic year. The council ensures involvement and engagement of all members of the Institute and its respective stakeholder groups. This council helps the students to develop their leadership and management skills. Every academic year, the head of the institution along with head of the department selects the student nominee based on academic performance for governing the curricular activities of the department / institution. Dr.NGP.IT has constituted an active student council comprising of Chairman, Vice Chairman, Secretary, Joint Secretary, Treasurer and office bearers members. The members of the student council along with senior faculty members are involving themselves for the planning, monitoring and execution of institutional level events such as Annual day, HENOSIS (National Technical Symposium), Tech Fest (An Interdepartmental Cultural Extravaganza), Sports day, Aikman (INDUSTUDENT CONFLUENCE), Career Day, Graduation Day, Alumni interactions and Alumni lecture series, students project expo, Spectronic (School Level Science

Tec nova), hostel day, and various technical and non-technical club activities viz. NSS, RRC, YRC, Yoga, retract club, Environment Awareness club, Renewable energy club, Robotics club, oracle club, Women's Development cell, Music and Dramatic club, Tamil mandram etc. As prescribed by the regulatory bodies like UGC, AICTE, Anna University, NBA, NAAC, the institute has constituted the students representatives in the following committees like Anti-Ragging committee Grievance redressed committee IQAC Library co-coordinating committee IIPC MHRD - Institution Innovation council Placement training cell Department Advisory Board Sports committee Cultural committee Magazine committee Discipline committee Hostel and canteen committee Class committee Each department has students' representatives for the effective functioning of various activities like Special Lectures by experts, Seminars, Workshops, Symposium, National Level Conference and Intra-collegiate meet organized by the association, professional societies and chapters

Following are the roles and responsibilities of the Students association and Students council. Role of the Students association and Students council:

1. To officially represent all the students in the College.

1. To identify and help solve problems encountered by students in the College.

2. To communicate its opinion to the college administration on any subject concerning to the students and on which the council wishes to be consulted.

3. To promote and encourage the involvement of students in organizing co- curricular, extra- curricular and extension activities.

4. Responsibilities of the Students association and Students council:

5. To promote the interests of students among the college administration, staff and parents.

6. To inform students about any subject of concerns.

7. To consult students on any issue of importance.

8. To organize financial campaigns for college and charitable activities.

9. To organize educational and recreational activities for students.

10. To participate in developing the college educational projects and to promote among the students.

11. To organize an activity to recognize the efforts of students involved in various college activities.

File Description	Documents
Paste link for additional information	http://www.drngpit.ac.in/centres-of-excellence/sacc.php
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

07

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Dr.NGPIT Alumni Association (Sl.no.182/2017) was inaugurated in the year 2011 and is registered as Society in the year 2017. The Alumni Association consists of President, Vice President, Secretary, Joint Secretary, Treasurer and Office Bearers.

The main objective of Alumni Association is,

1. To promote and foster mutually beneficial interaction among the alumni and with their juniors.
2. To encourage the formation of Chapters as a means to increase participation of Alumni.
3. To educate the students about the rewards and responsibilities of the life long relationship with the College.
4. To provide the discussion to establish a link between the alumni, staff, and students of the Institute.
5. To guide and help the outgoing batch of students of Dr. N.G.P. IT regarding the professional placements and higher studies.
6. To guide and assist Alumni who have recently completed their courses of study at the Dr. N.G.P. IT to keep them engaged in productive pursuits useful to the society.
7. To provide a common platform for all alumni students to meet regularly and exchange their views regarding professional activities.

Financial Contribution:

The alumni association supports the activities by extending financial support to the students as well as the Institution. From the contribution of alumni, a significant amount of money was spent for paying fees to the economically poor students, purchase of laboratory equipments, conducting alumni lecture series and establishing alumni chapters at different areas like Chennai, Bangalore and Cochin. Further, the alumni association supports the conduct of Cricket and hockey tournament periodically for the benefit of the students. The awards for these events are sponsored by alumni.

Non-Financial Contribution:

It also serves as a forum for the alumni for exchange of ideas on academic, cultural and social issues of the day through the alumni lecture series being conducted by various departments at regular intervals. 82 interactions were held in various departments with their alumni to foster academic, industrial and cultural issues thus resulted the conduct of curricular and co-curricular activities. Alumni also contributes to extracurricular activities like sports and employability opportunities. Frequent Alumni Lectures are arranged by respective department for the benefit of students and the alumni extend their help for current career opportunities, Placement and industrial training required at the engineering fields. The alumni support the institution and contribute to its institutional, academic and infrastructural development.

File Description	Documents
Paste link for additional information	http://www.drngpit.ac.in/alumni.php
Upload any additional information	View File

5.4.2 - Alumni contribution during the year B. 4 Lakhs - 5Lakhs (INR in Lakhs)

File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT**6.1 - Institutional Vision and Leadership**

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

The governance of the institution is reflective of and in tune with the vision and mission of the

institution

Response:

INSTITUTE VISION:

To empower the students to succeed in a changing world to become productive engineers and responsible citizens.

INSTITUTE MISSION:

The stated vision of the Institution will be achieved by:

MI1: Producing graduates with sound technical knowledge and skills in diverse Engineering disciplines

MI2: Adopting innovative teaching and experiential learning practices by competent faculty

MI3: Enhancing knowledge and skills in cutting edge technologies through alliances with industry and research organizations

MI4: Creating conducive learning environment with state-of-the-art infrastructure and laboratories

MI5: Inculcating ethical standards among students, both societal and personal through outreach programs.

The Institute vision and mission statements reflect effective leadership established through its governance setup and defines the Institution's distinctive characteristics. Dr.N.G.P.IT through IQAC ensures quality teaching-learning process, 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 Institute's efforts in achieving its vision are reflected through various arrangements to co-ordinate the academic and administrative planning and implementation. The formulation process is illustrated here.

NATURE OF GOVERNANCE:

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, committees, councils and clubs execute the responsibilities vested in them.

The HoDs along with faculty members takes the overall responsibility of the functioning of the department. The function happens through subject mentors, subject co-ordinators, class advisors and tutors to provide academic support, guidance, counsel, monitor attendance and communicate student progress to parents. Faculty takes responsibilities in effective curricular transaction and holistic development of the students.

PERSPECTIVE PLANS:

- Enhancing the quality of Teaching - Learning
- Promoting of Research among staff and students
- Improving Entrepreneurship Development and Industry-Institute- Interaction
- Engaging extension and outreach activities
- Improving Quality Assurance and sustainability

PARTICIPATION OF THE TEACHERS IN THE DECISION MAKING BODIES:

- Principal leads the academic and administrative bodies for effective implementation.
- HoDs along with faculty make the decision for various activities of the department.
- Faculty members and administrative team are involved in the process of decision making in executing their duties, responsibilities and rights.
- Faculty members are nominated as members of various committees such as GC, AC, DAB, PAC, IQAC, IIPC, Training and placement Cell, ADC, CFD, Budget committee, admission committee, Discipline Committee, etc., so that they can get involved in decision making.

Faculty members actively take part in various functions like Annual Day, Sports Day, Graduation Day etc., as part of organizing committee and are encouraged to give ideas pertaining to the growth and betterment of the institution.

File Description	Documents
Paste link for additional information	http://www.drngpit.ac.in/vision-mission.php
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

The effective leadership is visible in various institutional practices such as decentralization and participative management.

The institution practices decentralization and participative management Response:

The institute practices a well decentralized pattern of working and participative management in keeping with its policy of decentralized governance. The Principal is assisted by the following faculty members in carrying out the administration of the institution.

The Institute disburses responsibilities from top-down by decentralizing duties and responsibilities for quick decision making. Faculty members are given opportunities with entrusted responsibilities for effective functioning of the academic system. At the student level, student council entrust leadership qualities by encouraging them to participate in all academic and administrative responsibilities.

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

CASE STUDY: Preparation of Academic Calendar aligned with the Academic Schedule of Anna University - semester wise pattern

The institute functions with the method of decentralized governance system. The heads of the department have been bestowed with the authority of deciding the activities and delegating the responsibilities to the staff members.

This ensures a systemized, all inclusive institution level academic calendar framed in line with Anna University schedule. At the beginning of every semester, an academic calendar is prepared by the Principal keeping in mind the parameters of institutional excellence. This is further deliberated in the presence of IQAC, ADC, Directors, HoDs and the members of student council. The key parameters in institutional academic calendar comprises:

- Administrative meeting like GC, AC, DAB, PAC, Department level HoDs meetings, IIPC board meetings, Research council meetings etc.
- Reopening dates, Assessment schedule, University examinations, Information about holidays, closing dates etc.
- Internal assessment dates, Question paper preparation, Result analysis, Result intimation to parents, Project reviews etc.
- Fresher's meet, Induction program, Bridge course, Class committee meeting, PTA etc. Professional society chapters, Club and association activities, Industry and field visits, FDPs etc.
- Placement readiness programs, Value added certification programs, Career day, Industry connect events etc.
- Institutional annual events like Annual day, Sports day, Techfest, Spectronics, AIKYAM etc. Academic Audit, Stock verification etc.
- This system oriented broad based schedule is adhered to in accordance with the affiliating university. Once approved, the finalized institutional academic calendar is circulated to all the departments.

The department academic calendar is planned and prepared inline with the institutional academic calendar with the participation of the HoD, Faculty and Student representatives.

The department level activities pertaining to association inauguration, workshops, conferences, seminars, guest

lectures, field trips, FDPs, Alumni lecture series, Industry expert visits, virtual industry tours, Industry visits etc. are envisaged in the department level calendar.

In the advent of inability to conform to specific dates, subsequent meetings are held at department level and the deviation report is forwarded to the Principal for further proceedings.

This highlights the features of decentralization making the entire process participatory and not arbitrary.

File Description	Documents
Paste link for additional information	http://www.drngpit.ac.in/academic-council.php
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The institutional Strategic/ perspective plan is effectively deployed

Perspective/Strategic plan and Deployment documents are available in the institution Response:

Yes, the Institute has prepared a perspective/strategic plan to fulfill the academic and research development, extra-curricular activities, sports, culture, infrastructural facilities of the Institute. The Institute perspective plans is available in the link (<http://www.drngpit.ac.in/iqac.php>)

Activity: Improving Quality Assurance and Sustainability

The objective of quality assurance and sustainability are:-

- To frame the Quality Policy for the academics and research
- To identify the best practices in the institution

- To formulate various committees for effective functioning
- To conduct Periodic audits for academics and administration

The need of framing the quality policy for academics and research was perceived well by the institution. The IQAC has framed the ADC guidelines, project guidelines and research guidelines for improving examination process, research projects and publications.

- The ADC guidelines address the transparent mechanism of continuous internal assessment & evaluation. The outcome of implementing this system apprises CIE which is robust and efficient and the grievances are addressed effectively.
- The project guidelines addresses the quality projects in industries carried out by the students. In spite of pandemic due to Covid 19 students were encouraged to takeup online projects and internships. 810 students underwent internships and industrial projects.
- The research guidelines regulates and monitors the activities pertaining to research, patents.

Outcomes:

- Publications in Scopus indexed journals are improved from 81 in 2019 to 120 in 2021. Number of faculty with PhD qualification is improved from 48 in 2019 to 61 in 2021.
- Research projects funded by Government and non-government recognized bodies worth for Rs.30.78 lakh in 2021.

The outcome based education is one of the best practices implemented in the institution since 2017 which resulted in innovative teaching methods, usage of modern pedagogy tools and effective utilization of ICT thereby improving the knowledge level of students.

The need of formulating various committees and clubs is to ensure the quality. The committees such as GC, AC, IQAC, DAB, ADC and clubs such as IIC, EAC, REC, Idea and Innovation Club, etc., are formulated to carry out the activities ensuring the quality.

The need of conducting periodic audits for academics and administration is to fulfill the gaps towards quality assurance and sustainability. The institution formulated auditing committees to carry out inter department and intra audits and invite external experts for each year. The non conformities identified and corrective actions are carried out by the faculty.

With the effective implementation towards quality policies, the 5 programmes (BME, CSE, ECE, EEE and Mechanical) in the institution have been accredited by National Board of Accreditation (NBA) & NAAC with A+ Grade. In addition to this, the institute has achieved the following awards and achievements.

- Atal Ranking of Institutions on Innovation Achievements (ARIIA)' 2020 awarded under the Private / Self Financing Institution - Band B category (All India Ranking 26-50)
- Dr.K.Porkumaran, Principal, Dr.N.G.P. Institute of Technology received "Outstanding Engineer Award 2020 from The Institution of Engineers (India), Coimbatore Local Centre during 53rd Engineers Day Celebration.
- PALS 2019-20 InnoWAH Finalist - Dineshkumar S, Mahilan S, Karthikeyan K, Ajaykumar KS Mentor - Dr.S.Sankar Ganesh idea titled "Mobile App for Domestic Water Management System"
- AICTE - Internshala Internship Day All India Rank 417 out of 2,830 participating colleges across India 147 Zonal Rank from all the participating colleges of South Zone.
- DATAQUEST - CMR Survey TOP T-SCHOOLS 2020" (Government and Private) in India.
- Mechanical Engineering students idea titled "Ultra compact personalized flying vehicle" have been shortlisted for final presentation of SIH 2020 software Edition
- CSE students idea titled "Detection of Physical factors causing root rot during crop growth and maturity" have been shortlisted for final presentation of SIH 2020 software Edition.
- BME students idea titled "Warm Bed Mattress" have been shortlisted for final presentation of SIH 2020 Hardware Edition

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	http://www.drngpit.ac.in/igac.php
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup,

appointment and service rules, procedures, etc.

Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

The Institution ensures effective implementation of governance, administrative functions, policy guidelines, service rules for employment at all functional level. The Governing Council takes the responsibility of monitoring the implementation of activities in the institutional strategic plan.

- Governing Council take policy decisions regarding the academic and administrative affairs of the institution. Also it is responsible for leading the development and execution of the institution's long term strategy, managing the overall operations and resources of the institution.
- Principal is the Chairperson and suggests recommendations to the management regarding student and staff progression. He takes utmost care for the smooth functioning of the academic system and enhances the standards of education by providing an outstanding, creative and participative learning environment in the institution.
- HoDs are responsible for executing the Academic Plan of the department. They take decisions concerning department affairs.
- Faculty takes up positions viz. Academic Coordinators, Course Mentors, Course Coordinators, Class advisors and Tutors. They are responsible for effective curricular transaction and address the grievances of students, if any.
- Administration team takes decisions regarding the entire administrative affairs of the institution. Placement officer's duty is to conduct placement readiness program that meets the requirements of the recruiters and arrange on and off campus placement drives.
- Librarian is responsible for acquisition and provision of library resources and ensures it to meet the needs of all its users.

Physical Director is to motivate and coach the students to take

part in national, state level sports activities and competitions. Organize and conduct inter and intra collegiate sports events.

Service Rules, Procedures, Recruitment and Promotional Policies

- Procedures, recruitment, promotional policies are framed as per the rules and regulations of AICTE and the Anna University.
- Service rules are approved by the Governing council and are available in the college website. Service register for all faculties is maintained in the institution.
- Career advancement scheme is implemented in accordance with AICTE rules.
- Faculty members, technical and non technical staff is appointed as per norms based on the institute HR policy.

Necessary ratification is obtained from the 18th Governing Council dated 09.10.2020.

The Grievance redressal system is implemented to sort out the student grievances. This system attempts to address genuine problems and grievances irrespective of the nature of the problem.

A suggestion box is kept in the foyer to receive grievances and suggestions. The box is opened every Monday and the issues are sorted promptly based on the gravity.

The students can also approach the grievance redressal cell to voice their grievances regarding academic and non academic matters. The cell redresses the grievances at individual, class level and grievances of common interest.

Students can use the online grievance redressal linked on the website to express constructive suggestions and grievances.

File Description	Documents
Paste link for additional information	NA
Link to Organogram of the institution webpage	https://drngpit.ac.in/academic-council.php
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

The institution has effective welfare measures for teaching and non- teaching staff

Response:

The institute 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., Staff members are provided with medical concessions at KMCH and fee concessions for their wards in the NGP group of institutions.

The Institute is implementing various schemes for the welfare of the teaching and non teaching staff members. The staff members are encouraged and given financial assistance to pursue higher education, to attend FDP in their field of interest, industry visits and trainings to attend and present research papers in conferences, to publish research papers in indexed journals, to organize seminar, guest lecture, FDP for faculty members. Orientation programs are conducted for the newly recruited faculty members once in a year to enhance their teaching ability. The faculty members are encouraged to attend the seminars conferences as well as refresher courses organized by university and AICTE. The faculty members are given on duty to participate/act as a

resource person in the outside Institute. The Institute provides the following welfare scheme towards motivating and retaining the employees such as EPF, insurance, Vacation for teaching and non teaching staff members, casual leave, medical leave, Free transportation for the non teaching staff members. The faculty members are appreciated with promotions and rewards benefits to Faculty. Some of the other benefits are:

- All the staff members of Dr. N.G.P. IT are entitled to avail free ambulance service in case of emergency
- The staff members are covered under medical insurance and accidental insurance. Non teaching staff members are eligible to avail free transport facilities of Dr NGPIT.
- Staff members staying in institute hostels provided with free food and accommodation with free of cost.
- The institute supports the teaching staff to enhance professional development by permitting study leave to faculty for carrying out research projects.
- Faculty members are encouraged to associate with State, National and International professional bodies.
- Concession provided in the group institutions.

Maternity Leave/Medical Leave/Casual Leave/Compensatory Off facility Day care facility for wards of staffs at NGP group

File Description	Documents
Paste link for additional information	NA
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

56

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

132

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Institutions Performance Appraisal System for teaching and non-teaching staff

Response:

The institute has structured mechanism for the performance evaluation system for teaching and non- teaching staff and is carried out regularly at the end of every academic year.

Appraisal Mechanism:

The faculty need to self assess and will write the scores earned for the following criteria's in the Self appraisal form (1000 Marks) with the following key parameters.

Academic Performance (210 Marks) Service to College (150 Marks)
Professional Development (280 Marks)

Research and Development Activities (200 Marks) Industry Institute Collaboration (160 Marks)

The faculty will submit the self appraisal form to the Head of the Department with all the relevant supporting materials/documents

Head of the Department will award scores for all the criteria and will submit to the Head of the Institute with all the recommendations.

Head of the Institute will assess the scores awarded for the

criteria and submit to the management with all the recommendations.

The Strength and Weakness of the faculty member in all the criteria are analyzed by the Head of the Department and the Head of the Institute and the same will be conveyed to the faculty member for further improvements.

HoD observes the preparedness and involvement of the faculty in multiple activities throughout the year. A feedback taken from the students gives further inputs regarding the effectiveness of the teaching learning methodologies used. Heads will administer the feedback questionnaire to students for academic programmes and any other training programme of similar type through the learning management system.

The self appraisal scores with the recommendations of the Head of the Department and the Head of the Institute will be considered by the management for career advancements.

The responsibility and involvement of the non - teaching staff are also assessed. The components of assessment are as follows:

Professional Competence Technical Performance Service to the Institute

Skill upgradation through participation in courses

File Description	Documents
Paste link for additional information	NA
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Institution conducts internal and external financial audits regularly

Response:

M/s Dr NGP Institute of Technology is run by M/s Kovai Medical

Centre Research and Educational Trust.

Internal Audit:

Finance Controller is responsible for Internal Audit and Internal Control. The scope of internal audit programme comprising of Vouching, Monitoring the day to day operation. Confirmation balance of Assets and Liabilities, Statutory payment like PF, ESI, TDS and other local taxes and Prompt payment of Bank repayable. Review with Institutional accounts team for the observation of the audit quires. Ensure the audit quires are properly carried out.

External Audit :

Half yearly and Yearly Books of Accounts submitted to the Statutory Auditor for carry out the External Audit. They will check Bank and Cash Vouchers, Purchase orders with Bills, Bank statements and other statutory related documents. After analyzing the books of accounts they will submit the queries to Finance controller. After the explanation from the institution financial department, the Financial statements will be prepared. The financial statements of the Institute provide a realistic statement through the audit report that the books of accounts reflect a true and fair view of the operational activities and the financial position of the Institute for the relevant financial year.

Overview of the Finance, Accounts & Audit

Book Keeping : Double entry Book keeping

Systems : Tally ERP SERVER - Version 6.5.4

Accounting Standard : Follow with Indian Accounting Standards

Qualification & Experience : Graduate in B Com, M Com, MBA with more than 30 years of experience.

Auditors : CA with 40 years of experience

Internal Audit : We have a month end book closing mechanism.

- Monitor Day to Day accounting activities. Monitor legal requirements.
- Operate appropriate systems of internal controls. Develop, publish and follow the accounting standards. Book closing.

Trail balance preparations

- Monthly Audit carried out by Finance Controller.
- Audit Observations discussed with Institution accounts team.
- Clarification / Rectification from Institution accounts team carried out every month.

External audit : Checking of all the expenses / Vouchers Bills accounted in a respective months.

- Book closing. Trail balance, Finance reports Preparations, Submitted to Auditors. Audit carry out by External auditors.
- Audit Observations carried from accounts team. Book closing.
- Books with Financial report Submitted to Auditors
- Every Quarterly and Half yearly Auditors will come and securitize the vouchers Clarification / Rectification from Accounts team.
- Final Book closing - Trail Balance - Financial Reports preparation. Discussion with Management
- Financials Approved by Trustees Submitted to Income tax department. Financial year book closing.

The institute ensures that information provided in the financial statements are of high quality and are acceptable by the Trustees, Chartered Accountants and the Government bodies.

File Description	Documents
Paste link for additional information	NA
Upload any additional information	View File

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

nil

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Institutional strategies for mobilization of funds and the optimal utilization of resources

Response:

Funds mobilization from various resources is detailed as below.

Tuition fees

Grants from Government and Non Government bodies Interest on Fixed Deposit

Term loan from Banks

Utilization of resources

- Funds received mainly from Student Tuition fees are spent on payment of salary of teaching, non- teaching staff, recurring and non recurring expenses of the Institution.
- Grants received from Government and Non Government bodies are mainly earmarked for student Skill and Development activities. Trustees and Finance Controller of the Institution monitor the utilization of received grants.
- Adequate funds are allocated for effective teaching-learning practices that include Research programs, Orientation Programs, Workshops, training programs, Refresher Courses and National and International seminars that ensure the quality of education.
- Budget is utilized to meet day to day Operational, Administrative expenses, Capital, Maintenance of fixed assets, Green initiatives and Energy saving equipment.
- Funds are allotted and utilized every year for augmentation of library facilities to enhance higher learning practices of students.

- Adequate funds are utilized for development and maintenance of infrastructure of the Institution. Funds are allocated for social service activities as part of social responsibilities through NSS, YRC, Red Ribbon Club. SAC club and other club activities.
- Main motto of resource mobilization and optimal utilization of resources is to put Dr NGP Institute on bench mark in tune with quality teaching and unique growth of students.

Bank Funding

The essential assets for the Institution are availed through Term loan from Banks. Those Funds are used in Building, Electrical, Plumbing, Furniture and Fittings and Vehicle, Which are essential to the Institution.

File Description	Documents
Paste link for additional information	NIL
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

The IQAC is constituted to monitor 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.

Practices institutionalized as a result of IQAC Initiatives:

1. Establishment of Academic Development Cell to ensure effective curriculum transaction and systematic assessment.

The ADC is established to ensure preparation and implementation of academic calendar related to the academic aspects such as

instructional planning and delivery, assessment and evaluation of student learning for theory, practical and project and periodical academic audits.

Academic Calendar

An institution level academic calendar is prepared in line with Anna University. Based on this, department academic calendar is prepared keeping the following key parameters as inputs.

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.

Course Plan

- Course 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 to provide synergetic massive learning exchange platform Invited talks by eminent professionals from industry and academia.
- Case studies and industry visits
- Value additions through industry powered laboratories.

Academic Audits

- 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
- Enrichment programs
- University question papers
- Invited talks, Seminars, Workshops and Conferences
- 2. Establishment of IPR cell:
 - The IPR cell has been established in the year 2016 with the objective of converting the lab to land projects into patent.
 - Organizes various seminars and FDP on topics related to patent filing, patent searching
 - Innovative projects are presented in the department level and top 3 projects are shortlisted and forwarded to IPR scrutiny committee
 - IPR scrutiny committees reviews and performs patent search for viability
 - Recommends the patentable projects to management for sponsoring the application fees and consulting fees
 - Legal terms viz. patent claim, 3D drawing, specifications are incorporated into the application for patent filing
- Outcomes:
 - 18 patents have been published by the faculty across various domains.

- MHRD - Institution Innovation Council along with Idea & Innovation club organized 16 events like project expo, Hackathon, submission of Proof of Concepts (PoC) to bring out innovative ideas 1 project shortlisted as finalist out of 30 innovative ideas submitted to SIH 2018

File Description	Documents
Paste link for additional information	https://drngpit.ac.in/igac.php
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Response:

Yes, the institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through the following mechanism governed by IQAC.

Examples for Reviews and Reforms in Teaching learning:

1. Periodical meetings for governance
2. IQAC initiated to formulate Programme Assessment Committee, Department Advisory Board and course mentor system which help to review the progress of course completion, effective teaching learning, attainment and assessment of learning outcomes, etc., Periodic meetings are conducted in which the committee members present their evaluations and plans for improvement. The committee reviews and provides feedback and suggestions.

Structure, Methodologies and Frequency of Meeting:

Reforms :-

- Formulation of COs, POs/PSOs for implementation of OBE, assessment (formative and summative) and attainment for COs, POs/PSOs are carried out.
- Establishment of Centre for Teaching and Learning to facilitate teaching-learning related activities using modern pedagogy techniques and innovative practices.
- Strengthening of ICT facility by providing smart boards for each department, LCD projector and audio system for all class rooms towards strengthening teaching learning practices.
- Establishment of Centre of excellence for bridging the gap between industry and academia. Strengthening E-Learning facilities such as LMS, NPTEL, Swayam Prabha, Digital library etc, Organizing Skill development course such as VAC, Life Skill Course, Certification Course, VET to upgrade the skill set of the students thereby increasing their employability.
- Organizing Faculty empowerment programme to foster a dedicated and enthusiastic effort to implement effective teaching learning process.
- Arranging Factory visits towards knowledge upgradation on recent technology.

3.Feedback System

IQAC has framed a structured feedback mechanism for analyzing the effectiveness of the teaching learning process. The feedbacks are collected on the aspects such as Curriculum, Infrastructure Facilities and Faculty. In addition, feedbacks are also collected for certification courses, industrial visits and training programs.

Feedback on Teaching and Learning Process:

Feedbacks from students are obtained periodically by the Head of department in the course review meetings, TWM, CCM and end semester meetings, Course end survey, Graduate Exit Survey, Alumni Survey. Students feedback on teaching-learning process are collected, analyzed and presented to the department Heads. From the assessment of the feedback, suggestions for improvement if any, is carried out. The following feedback listed in the following table is obtained from students.

Action Taken and Impact Analysis:

Based on student feedback received

- in tutor ward meeting, Placement orientation & Career Day program has been organized for all the students to get the awareness on skill sets required for employability.
- in the class committee meeting, additional classes are provided for analytical courses to strengthen their learning ability.
- in course review meeting, special classes for theory and lab sessions are arranged for the completion of the syllabus portion before the internal assessment
- in end semester review, orientations regarding the university examination preparation and additional revision classes for the slow learners are organized. Based on which, students are able to solve the complex problems with more confidence
- in course end survey, usage of modern pedagogical tools like NPTEL, Virtual industry tour, industry guest lectures, etc. has been increased.

File Description	Documents
Paste link for additional information	na
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://drngpit.ac.in/igac.php
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

The institute provides facilities to all the staff members and students towards promoting education that would be sensitive to the needs of the various sections of society with special emphasis on gender equity and gender sensitivity. It aims to prepare the student to be self-reliant, specialists in their chosen discipline, continuous learners, effective communicators, respectful of different cultures, socially responsible, aware of their social and civic responsibilities, sensitive to gender issues with zero tolerance towards sexual harassment, women safety and security, and environmental consciousness. Students of both the genders are given equal opportunities to grow and develop into able, responsible citizens of the future. The institute makes efforts to maintain gender balance among the staff members and students.

Gender Equity Initiatives

The institution established gender equity and women empowerment initiatives through Gender Equity Cell (GEC) and Women development cell (WDC). The cells have organized 68 such programs exclusively.

Gender Equity initiatives are grouped into four impact areas:

- Recruitment, promotion, and tenure;
- Professional and leadership development;
- Equal opportunity for administrative and leadership positions; and
- Recognition and increased visibility of the Institute's

commitment to gender equity.

The major activities promoted by Gender equity cell are listed below:

1. Implicit bias workshops
2. Processes and pathways to advancement and promotion
3. Favourable salary administration
4. Professional and leadership development programs
5. Inclusive and open processes for appointments
6. Reporting system awareness
7. Success story promotion
8. Event promotion
9. Gender equity data

Equal opportunity in academic and administrative activities for staff and student member

- Specific facilities provided for women in terms of:
 1. Safety and security
- Round the clock security at all entrance and at all prominent locations across the campus.
- Institute premises covered under IP enabled advanced video surveillance system with 92 cameras.
- Secured environment for male and female students in the hostel premises.
- Fire safety trainings and other safety awareness training programs are organized for staff and student of both the gender. 225 fire extinguishers and fire hydrant systems are provided in prominent locations.
- Basic life support training programs are provided through healthcare club to students and staffs at regular intervals.
- Insulated mats are provided in electrical laboratories for safety from shocks.

Ambulance facilities readily available in 24 hour service

2. Counseling

The counseling system in the institution is a cyclic and continuous interaction with students to assess their progress. The system effectively covers academic, psycho-social and career issues. A team comprising of faculty tutors, class advisors, head of departments, peer mentors, alumni, placement coordinators, professional counselors, industry mentors and placement counselors

provide guidance and Mentoring for the students. Each department is provided with a separate counseling room for one to one interactions with students and staff members. Close mentoring and monitoring of students is done and a healthy student-faculty relationship is maintained. Dr.Karthikayani Murugan, Clinical Psychology is appointed for Professional Counselling.

3.Common Rooms

- Common room is provided separately for both gender of student and staff
- Medical room is provided with first aid kit

Separate study hall in hostel premises

File Description	Documents
Annual gender sensitization action plan	http://drngpit.ac.in/centres-of-excellence/authentication_cert.pdf
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	http://drngpit.ac.in/centres-of-excellence/authentication_cert.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

B. Any 3 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

The institute inspires inhabitants to remain eco-friendly through its campus. Besides having infrastructure, construction as per the

necessity for an educational campus, the institute puts in conscious efforts to enhance and nurture the eco-friendly environment on the campus. Monitoring and assessment of the green environment on the campus is done periodically.

Institute practices the waste management including solid waste management, liquid waste management and E-waste management.

Solid waste management

The total solid waste collected in the campus is 15 to 20 Kg/day on an average, from tree droppings, cups, paper, food waste etc. The waste is segregated at source by providing separate dustbins for Bio-degradable and non bio-degradable waste. Metal, Food and wooden waste is stored and given to licensed agents for further processing.

Liquid waste management

The Sewage water from the entire campus is received through the underground pipe lines. The treated water about 4166 liters/hour by Sewage treatment plant (STP) of 100KLD is used for gardening and flush out purposes. 19 lakh is spent to install STP.

Biomedical waste management

The institution takes efforts in collecting & segregating biomedical waste from labs. The same is carefully disposed of by a third-party vendor.

E-waste Management

Efforts are taken to identify the sources of e-waste in the institute through its e-waste management system through environmental awareness club (EAC) and it has vendors to dispose the e-waste materials. The concept of reuse e-products has greatly reduced the problem of disposal. Electronic goods are put to optimum use; the minor repairs are set right by the staff and the Laboratory assistants; and the major repairs, by the professional technicians, and are reused. The damaged computers are used by the instructor in the practical sessions of the Certificate Course in Computer Maintenance and Hardware. They are exchanged with the local dealers. UPS Batteries are recharged / repaired / exchanged by the suppliers. The waste compact discs are used by students for

decoration and participation in competitions on 'Art from Waste'. When they fall out of use, they are handed over to the agent of the suppliers of electronic equipment. Separate store is maintained for E-waste storage.

Hazardous chemicals and radioactive waste management

Institute produces only a negligible quantity of hazardous waste. Yet, efforts are on to curtail its spread. Chemical and biomedical waste are stored and given to authorized scrap agents for further processing

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

A. Any 4 or All of the above

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following
1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

B. Any 3 of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The institution focus in bringing harmony and tolerance towards cultural, regional, linguistic, communal socioeconomic and other diversities to impart oneness in the minds of students. The objective is to imbibe parity thinking in students and staffs on all believes and practices followed by various cultures, regions, linguistic, communal socioeconomic and other diversities.

The Music and Dramatic Club, Uyir Club, YRC Club, Rotaract Club and Consumer Club established at DrNGPIT ensure that the above said objective is imbibed to the student's community through various activities organized through online mode.

Programs on Cultural, Regional, Linguistic & Communal Socioeconomic:

Yoga-The Natural Immunity Booster, Programme on Transition from School to College, Assertive Personality, Redefining me, The Social Dilemma, Empowering The Moral Values, Ethics And Behavioral Attitude In Teaching Skills Among Teachers in three phases, Riding through tough times and Equipping for your bright future, Hone Your Soft Skills, Recycling and Reuse of Plastic Waste, Utilization of E-Waste in Construction Industry, Taste the Failures, Swachhta - Rural Engagement

Programs on Other diversities:

Exemplary Alumni Series on " The Social Dilemma, STTP on Empowering The Moral Values, Ethics And Behavioral Attitude In Teaching Skills Among Teachers in three phases, Riding through tough times and Equipping for your bright future, Hone Your Soft

Skills, Department of Civil conducted National Level Virtual Conference on Recycling and Reuse of Plastic Waste Emerging Technologies in Construction Industry, Utilization of E-Waste in Construction Industry, Healthy and Well Being, Sky is the Limit, Social Entrepreneurship - Swachhta - Rural Engagement.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Sensitization of students and employees of the institution to the constitutional obligations say values, rights, duties and responsibilities of citizen develops universal values in students and staffs.

The activities of The Music and Dramatic Club, Uyir Club, YRC Club, Rotaract Club and Consumer Club at DRNGPIT contributes towards inculcating the constitutional obligations say values, rights, duties and responsibilities of citizen to the students of DrNGPIT. The conduct of various activities under themes such as national values, human values, communal harmony, social cohesion etc., helps to remind, develop right behavior to reinstate constitutional obligations in each of their minds. Various departments conducted programs in online mode. To name a few International Women's Day celebrations, Teacher 2.0 - Motivator & Learner, Share & Inspire on A Take on Health, Let us be an Engineer Not just a Graduate, Roles of clinical engineers in modern healthcare industry - A post Covid 19 Impact, Safe and clean environment for Healthy Living and Safety of Women

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	http://drngpit.ac.in/centres-of-excellence/7.1.9-igac-report.pdf
Any other relevant information	nil

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website. There is a committee to monitor adherence to the Code of Conduct. Institution organizes professional ethics programmes for students, teachers, administrators and other staff. 4. Annual awareness programmes on Code of Conduct are organized.

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

DRNGPIT has taken efforts in organizing national and international commemorative days, events and festivals during the year. All national festivals are celebrated with great enthusiasm to inculcate a sense of patriotism in students. Every year students come together and perform cultural programs like dance, skits highlighting societal problems. Ex-defense or police persons are invited to share their experience, to inspire and to motivate young minds to contribute in building the nation. National flags are distributed to faculty, staff and students to instill sense of pride amongst them. The NSS unit and the student's council organize many cultural programs to address prevailing social issues. The student, faculties and staff participate and rejoice during this celebration with great patriotic fervor.

Due to pandemic the programs were conducted online for the academic year 2020-21. The list of events is, Social Entrepreneurship - Swachhta - Rural Engagement, Teachers day celebration, Independence day celebration and Engineers Day on

Vishveshwarya Day is celebrated

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

BEST PRACTICE -I

1. Title of the Practice: Industry Alliances and Partnership through AICTE sponsored IIPC Centers of Excellence, Industry powered centers and MoUs.

2. Objectives of the Practice: The objectives in establishing IIPC is to strengthen Industry-Institution interaction so as to enable free consultation, technology upgradation, orienting staff and student to industry practices, changing trends and workplace culture with the required skills and to assist in undertaking industry projects.

- To arrange industrial training for students and identify appropriate student project work in industry.
- To interact with industrial organization for conducting joint project work involving faculty, research scholars and students
- To invite professionals from industry to sensitize the students and faculty with industry practices. Also, associating with experts from industry in planning and review process of elective and value added courses.
- To organize personality development workshops and soft skill training with the help of industry experts.
- To arrange technical festivals, project expo, design competitions/ Hackathon events to carry out more innovative and

lab to land projects.

- To plan and execute continuing education programs.

3. BENEFITS :

- Augmentation of certified courses, guest lectures, seminar, workshops, field trips, industrial projects to fulfill the identified curriculum gaps.
- Sharing of 47 resources and expertise by establishing Centers of Excellence.
- Promoting students and staff industry linkages through MoUs.
- Revenue generation by consultancy and collaborative research projects towards product development, publications and intellectual property rights.
- Faculty stand to gain by way of exposure to latest industry practices for more effective teaching learning processes.
- Industry stands to gain by way of creating employable manpower pool and increased thereby improvement in the quality of goods and services for society.
- Augmenting much industrial collaboration that yields better placement and internships.

4. The Context Since there exists a hiatus between curriculum taught and industry requirements, Centers of Excellence, Industry powered centers have been set up to provide industry certified courses and hands on training for better employability and career growth.

5. Practice

- Linkages have been created with industries and MoU's have been signed.
- Industry powered laboratories have been established.
- Internships in-plant trainings and industrial projects in reputed organizations.
- Finding solutions of various problems faced by industry during

the operation of industrial unit.

- Conducting market survey and feasibility reports through projects assigned to students and making them industry fit.
- Research internships and attachments programs have been provided with industries and foreign industries.

6. Evidence of Success

During the academic year 2020-21 one MOU is signed with Test And Verification Solutions (A Subsidiary Of Tessolve Semiconductor)

Following are the evidence of success signed till the academic year 2019-20.

Signed 56 MoUs with leading industrial organizations to name a few Siemens Healthcare Pvt. Ltd., Giles Brooker Group, IIT Pals (IIT Alumni Leadership Series), Dexler Information Solutions Pvt Ltd., Texas Instruments, TMI Systems, Helix Pvt Ltd, IBM India Pvt Ltd., KEF Infrastructure India Pvt Ltd., Shankar and Associate, Coimbatore Productivity Council, Oracle Corporation, Cisco Systems Ltd., National Instruments, Siemens Limited, HCL, BSNL, CODISSIA, COINDIA, UTL Technologies Ltd., MoU signed with foreign universities like UniversitiTeknologiPetronas, Malaysia, Florida Atlantic University, USA, Wayne State University, USA for research internship programs and staff training programs. Established industry powered centers and Centers of Excellence namely Mathworks Academy, Salzer Innovation Center, CDAC- IoT research lab, NI LabVIEW Academy, CISCO Networking Academy, IITB E- Yantra : Centre for Robotics, TI Centre. Arranged internships, in-plant training and industrial projects with reputed industries like DRDO, ISRO, CTS, BHEL, Keltron, Pricol, Ashok Leyland and others.

7. Problems Encountered and Resources Required Constant motivation is required to enable the students to become certified professionals in the programs conducted by these establishments and to manage time between regular academic schedule and industry interface programs.

BEST PRACTICE -II

1.Title of the Practice: Green campus initiatives and practices.

2.Objectives The Institute is implementing appropriate Green campus practices to foster a culture of self-sustainability and

make entire campus environment friendly. The major objectives of green campus initiatives are:

- ? To promote optimum utilization of renewable resources.
- ? To establish the green campus structures for the sustainable implementation of green campus 48 practices.
- ? To create a model for waste management and eco-friendly methods.
- ? To reduce greenhouse emissions on campus in order to cope up with climate change.
- ? To ensure the preservation of natural resources with aids of rain water harvesting system, sewage treatment plants, bio hazard management and E- waste management etc.
- ? To create awareness about green campus practices among the students and staff members.

3. BENEFITS :

? Establishment of rain water harvesting system, sewage treatment plant etc. inside the campus. ? Reduction in conventional energy consumption and energy losses through enhanced utilization of renewable energy practices.

? Establishment of renewable energy clubs, Natural club and environmental awareness clubs through which many events and seminars are conducted to create awareness about Green campus initiatives and practices among the students and staff members.

? Green audit is conducted in a yearly basis to assess waste management mechanism, natural issues, sources of water etc. and suggested appropriate remedial actions.

? Obtained green energy audit certificate from TUV India Pvt. Ltd., which ensures the implementation of Green campus initiatives in the campus.

? The two blocks has a central open quadrangle which allows cross ventilation and ample sunlight to all the class rooms

4. The Context : Since the need arise to protect the environment, prevent the waste of water and optimum utilization of energy resources in the campus, the institute adopts various Green

initiative practices with the voluntary participation of students and staff members.

5. The Practice Energy audit process has been implemented through energy audit team comprising faculty and students. Instructional labels with respect to Green campus initiatives are displayed at prominent location inside the campus. Renewable energy such as solar plants, solar heaters and solar lamps have been installed inside the campus. Rain water harvesting system have been constructed with cost of Rs. 92,340/- within the campus. Tree plantation activities are carried out at regular basis through EAC in association with NSS. Sewage is being treated with usage of sewage treatment plant. Usage of paper has been optimised on the campus by using ICT tools. Establishment of waste management system to treat hazardous and E-waste etc. Usage of common transport system, battery operated vehicle and increase of usage of bicycles are encouraged among the faculty and students to reduce the carbon footprints.

6. Evidence of Success:

The following are the evidence of success attained during the academic year 2020-21.

- Automatic tank level controls are installed in all overhead tanks.
- Water doctor are provide in all floors which automatically detects water level and sensor and indicator are provided for energy efficient operation.
- Alternate and renewable energy sources like solar electricity (190kWH solar plants in Six Buildings) which contributes 23.41% of total power requirement.
- 34.56% of annual lighting power requirement met by LED light sources with an annual expenditure of Rs3.94 Lakh and these measures are audited by TUV India
- Existing CFL and conventional light sources are replaced with LED bulbs at a cost of Rs. 1,21, 800.00/-
- All street lights are replaced by LED lighting which further reduces in the energy consumption. About 1100 Tube lights are replaced by LED Lighting.
- Total power requirement met by the renewable energy sources is about 27 Installation of 3 roof top solar plants with the capacity of 20KW, 30 KW and 60KW in the campus to meet the annual power requirement of the institution.
- Around 32000 Litres of rainwater have been harvested through

rain water harvesting system which has also increased the ground water levels. The harvested rain water system is used for gardening and other purposes.

- Considerable improvement in cleanliness and Hygiene has been observed after the implementation of waste collection mechanism through the usage of different color bins representing Bio degradable and plastic wastes. Further a mechanism has been established to process the e-waste through an environmental friendly measure.

7. Problems Encountered and Resources Required: Constant motivation is required to enable the students and faculty on sustainable utilization of the established green campus practices.

File Description	Documents
Best practices in the Institutional website	https://drngpit.ac.in/
Any other relevant information	<u>NI1</u>

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

INSTITUTIONAL DISTINCTIVENESS: The vision of Dr.NGP Institute of Technology, Coimbatore is to empower the students for succeeding in a changing world to become productive engineers and responsible citizens. To achieve this Vision, institute works comprehensively in both academic and administrative aspects. Creating conducive learning environment with state-of-art infrastructure and laboratories and emphasize on inculcating ethical standards among students through outreach programs. Activity- Conducive learning environment to impart quality education: Dr. NGPIT has an eco-friendly campus with 48 ICT enabled classrooms, 45 well equipped state of art laboratories, IP enabled well stocked library, 14 Industry powered centers which nurture the students to enhance their technical competency. Institute ensures the continuous upgradation of the laboratories to fulfill the curriculum gaps as per the industrial needs. In every department, class rooms, tutorial/Elective room and seminar halls are equipped with ICT facilities. In labs and class rooms LAN and Wi-Fi facilities are available. Exclusive department library is equipped with computing facilities, adequate seating capacity, technical books to impart quality education. Institutes indigenously developed Learning

Management System (LMS) web portal is accessible to all stakeholders with learning material, attendance, internal test performance and other news and events. LMS: It is an IP enabled online software used to share the course content to the students for the enhancement of Teaching Learning process. It also used to share various study materials on the basis of anytime and anywhere accessing. It provides an efficient way to conduct forum discussion among the student community and online quiz. Library: The institute has central library and nine departmental libraries. There is an Online Public Access Catalogue (OPAC) for students and staff. The reading room is well furnished to accommodate 250 students at a time and provides conducive environment for study. Exclusive reference section is available in the library. The institute established 14 industry powered centers and incubation centers to offer value added courses, Life skill courses and vocational educational courses to the students and the public.

Students are encouraged to participate in various extension and outreach activities through professional societies, clubs to instill social and ethical values. Through IIPC, the institute has signed MoUs with industries and foreign universities for research collaborations, Internship/Inplant training programmes, Industrial Visits to gain knowledge on real time applications. Institute provides prerequisite training to students for building and developing competencies for the placement and career development. Academic Facilities: The institute has a vast campus with well planned network comprising more than 48 class rooms, 4 drawing halls, 14 tutorial halls, 7 elective classroom, 62 laboratories, 8 department seminar halls, 1 conference centre with seating capacity of 1200, 9 department libraries in addition to the central library, Convention Center, Audio Visual enabled classrooms, IP enabled library. In addition Center for e- learning facilities established with resources like Swayam Prabha technology DTH channel, Center for Teaching Learning (TLC), EDUSAT, A-View, IIT - B spoken tutorial, NPTEL nodal center, Learning Management System, e-books and e-journals, digital library to promote the eLearning practices to enhance the quality of education

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Dr.N.G.P. Institute of Technology, affiliated with Anna University, Chennai, follows a well-planned and documented process for effective curriculum delivery. The institute adopts the curriculum framed by the university for the various regulations. There are various Academic Committees such as Internal Quality Assurance Cell(IQAC), Department Advisory Board (DAB), Program Assessment Committee (PAC), and Academic Development Cell (ADC) to ensure effective curriculum planning and delivery. Periodical meetings are conducted with stakeholders to evolve various strategies and monitoring mechanisms are in place. Based on the academic schedule of the affiliating university, the Institute prepares the academic calendar which comprises various academic, professional, and extracurricular activities of the institution and departments for each semester. Course allotment is done based on the skill matrix, experience, and performance of the faculty. Monitoring of course delivery and syllabus completion is done through Tutor Ward Meetings, Class Committee Meetings, and End-Semester Meeting. HoD monitors the conduct of classes, tutorial sessions, and student performance. Tutorial sessions are conducted to facilitate group interaction and learning for active learning and problem-solving. Feedback on curricular aspects is collected from the stakeholders. Quality checks of academic programs are carried out through academic and administrative audits.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	NA

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Being an affiliated Institute, the university schedule is reflected in the Institutes own academic calendar. The academic calendar containing plans for curricular and co-curricular activities based on the available working/teaching days as per university norms are prepared by IQAC. It also includes the process of CIE while designing the academic calendar of the Institute. Based on Institutes academic calendar, department prepares its own academic calendar showcasing events planned by individual departments. The academic calendar is then made known to all faculties before the commencement of the semester. The process of CIE included the academic calendar of the Institute are listed below: Theory Courses: Display of the Scheduling of internal examination dates, seating arrangements, hall invigilators and squad duty list for every examination. Submission of question paper for the internal examination in the prescribed pattern at ADC. The date of exams prescribed in the academic calendar is followed by every department for conducting the internal exam. Internal Exam marks of each courses are entered in the Keyin campus portal for performance analysis. Result review meeting are conducted with Faculty, HoD and Principal. Every department conducts seminar presentation by the student on the in- plant training undergone by them during their vacation holidays as per academic calendar of the department. At the end of the semester, HoD verifies the conduct of activities as per the schedule and the report has been submitted to the Principal.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	NA

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

12

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

2

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

78

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Response:

Cross cutting issues relevant to gender, environment science, human values and professional ethics are

integrated into the policies of the institution. Students are sensitized to issues related to gender discrimination, environmental change, and human rights through talks in forums, campaigns and village adoption. Faculty creates awareness on these issues during their interactions with students. Club activities also promote exchange of ideas and awareness of social responsibility.

Gender:

The Gender Equity Cell (GEC) was established in the year 2016, provides equal opportunities to both the genders in terms of admissions, activities, representation, leadership, trainings, employment. All the students receive equal attention in class rooms, labs, allocation of projects, leadership roles in department student's forums.

Women Development Cell (WDC) has been established in our institution since 2007. WDC and IEEE Women

in engineering affinity group initiates in organizing the seminars/lectures by inviting the specialist/eminent personalities to focus on women empowerment and promoting leadership qualities in women. Each year, women's day is celebrated inviting eminent speakers from various fields of prominence in the society.

Environment Consciousness

The Institute has created a herbal garden inside the campus which is an island of medicinal varieties. Treeplanting campaigns are organized in the institute vicinity. Renewable energy sources are effectively utilized across the campus by installing solar lamps, water heaters and solar panels. A campaign to save energy in classrooms was mobilized to save energy.

There is a course titled Environmental Science and Engineering (EVS) which highlights the causes, effects and control measures in environmental pollution, social issues in ecosystem and bio diversity. Courses like Environmental Impact Assessment, Air Pollution Management, Industrial Waste Management and Disaster management are chosen from the elective subject for imparting knowledge for environment management awareness.

Institute has established the Environmental Awareness Club (EAC) which takes care of environmental issues across the campus and organizes environmental activities like water day, national science day, earth day, Safe driving, living smoke-free, to promote the behavioral changes for environment protection. Many Projects are undertaken by final year students like flood prediction, water pollution, sewage treatment, air pollution, vehicle pollution. Sustainability issues such as use of natural resources in building construction, materials, energy conservation are also dealt in projects.

Human Values: To inculcate good Human Values and Professional Ethics, the institute organizes several programs on Indian Heritage, culture, Gandhian thoughts, service to society, respect to others, work ethics, moral theories, animal welfare and adapting to corporate world of diverse global standards.

Professional Ethics:

Elective courses as Professional Ethics and Human Values create awareness on engineering ethics and human values, to instill moral and social values and loyalty and to appreciate the rights of others. The Institute also lays emphasis on conducting various programmes on human rights, voter's day, SWACHH Bharath.

Industrial visits, internships and field projects iterate the importance of team work, leadership quality and professional ethics. Plagiarism checks are made for final year projects reports and research papers.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

64

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View File
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

812

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the **A. All of the above**

**syllabus and its transaction at the institution from the following stakeholders
Students Teachers Employers Alumni**

File Description	Documents
URL for stakeholder feedback report	http://www.drngpit.ac.in/feedback
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	http://www.drngpit.ac.in/feedback

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

514

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

347

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Students of B.E./B.Tech are admitted through single window system of Tamilnadu Engineering Admissions (TNEA) based on their Higher Secondary Examination (HSC) marks. Every year the institute organises Fresher's Meet and Induction Program for the students admitted to help them adjust to the new environment and inculcate in them the ethos of the institution.

The Institute assess the knowledge and skills of the students before the commencement of the programme by conducting Entry Level Assessment Test covering mathematics, basic sciences, language and soft skills. Based on the performance of students in the test, learning levels of the students are identified. Every student, after admission would be put through a Bridge Course organised by the institute which reinforces the fundamental concepts and the required skills for technical education.

Slow Learners: The Institute conducts special classes after every CIA to improve their academic performance. Separate timetable are scheduled for each course in the institute and hostel premises to clarify their doubts and re-explaining the difficult topics and follow-up tests are being conducted on need basis. The Institute organise special training sessions by the subject experts for the students to clear their backlogs. The Institute forms mentors for motivating them to reach particular academic goals. The performance of students is monitored and reported to the parents through college portal and PTA meeting. Modern pedagogical teaching methods such as peer group system, collaborative learning are adopted in which the advanced learners act as mentors for the slow learners to improve their performance.

Advanced Learners: The students are continuously motivated by the course instructor to obtain high marks in end semester exam which results in university ranks. Apart from academics, the students are encouraged to participate in various co-curricular activities like student competitions, symposia, conferences, workshops, project contests and hackathon to make them compete with real world. The Institute established industry powered centers and e-learning facilities to improve their learning ability to succeed in competitive exams and certification courses. The institute provides opportunity to the students to participate in research internship program through tie-up with foreign universities like UTP- Malaysia, FAU-USA and Wayne state university-USA.

File Description	Documents
Paste link for additional information	NIL
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
1914	181

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

The Institute being affiliated to Anna University, Chennai, the role in design and development of the curriculum is limited. However the Institute takes necessary measures to bridge the gap in the curriculum so as to provide experiential and participative learning.

Experiential Learning:

State of art laboratories have been established for students to impart the experiential learning through Theory to Practice (T2P) Lectures. Students and staff are encouraged to

participate in IITPALS activities. The Institution has established various Industry Powered Centers and e-learning centers to improve their creative thinking in technical and research fields. Field visits have been organized as an extension of theory beyond classroom teaching.

Participative Learning:

Institute in association with professional societies and chapters organize various activities like Hackathon, IEEE Xtreme programming competition, HENOSIS, Project expo. Institute in collaboration with IIT PALS, MHRD Institution Innovation council, FORGE to promote creativity and critical thinking among students through active participation in webinars, project competitions, residential training organized by them.

Institute tie up with foreign universities for research internship and attachment programs that equip them to excel in global competitions.

Problem Solving Methodologies:

Assignments in higher level of thinking are given to the students to break down ideas into simpler parts and find evidence to support self-learning abilities.

Students are encouraged to find out the solutions for real time problems via case studies, hackathon and field/industrial projects. Field visits, In-plant trainings have been organized through IIPC to make the students acquainted with industry standards and work ethics.

Tutorial classes are being conducted for analytical courses in which modern pedagogical tools like group tutorial, collaborative learning are practiced by the students for improving their problem solving ability.

Industry based projects are being carried by the students.

File Description	Documents
Upload any additional information	View File
Link for additional information	NIL

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

An ICT enabled campus and IP enabled library facilities provide the necessary support to studentcentric learning. Students engage in complex, challenging problems and collaboratively work towards a solution by connecting theoretical knowledge to real world problems. Teaching-learning is made more interesting and effective by the use of illustrations and demonstrations. Sophisticated equipment and tools are available in all the respective department laboratories and in library.

With the support of TLC, Innovative teaching learning methodologies and pedagogy tools adopted by faculty members to enhance the learning experiences are as follows:

- Lecture with
 - demonstration in laboratories,
 - models/charts animation
 - field visit
 - Simulation based trainings
- Collaborative learning
- Brain storming
- Role play
- Flipped classroom
- Think-pair share
- Problem/Project based learning

Institution established e-learning facilities and resources like Swayam Prabha technology DTH channel, Center for Teaching Learning (TLC), EDUSAT, A-VIEW, VALUE Virtual Lab, IIT - B spoken tutorial, NPTEL, Learning Management System, e-books and e-journals, digital library to improve their creative thinking in technical and research fields.

Institution established industry powered centers like Center for Robotics - eYantra, Texas Instruments Center, NI LabVIEW academy, CISCO networking academy, Cyber security center, CDAC IoT research lab, Mathworks Academy, Salzer innovation centre to train the students on emerging technologies.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

171

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

181

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	View File
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

49	
File Description	Documents
Any additional information	View File
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File
2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)	
2.4.3.1 - Total experience of full-time teachers	
868.8 years	
File Description	Documents
Any additional information	View File
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File
2.5 - Evaluation Process and Reforms	
2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.	
<p>Institution follows a transparent and robust system for internal assessment framed by ADC. The process of continuous internal evaluation includes scheduling, conduction and post assessment.</p> <p>Scheduling of CIE:</p> <p>The Institute circulate the students calendar which covers the schedule of internal assessment at the beginning of each semester. The same is available in institution website, student portal and parent portal for ease of accessibility. Before each CIE, ADC releases a circular with the following activities:</p> <ul style="list-style-type: none"> • Question paper pattern, • CIE schedule, • Prepares the seating arrangement and displays in the 	

students notice board,

- Collects and submits the syllabus competition status report from each course handling faculty to principal within a stipulated time,
- Availability of assessment test booklets in the department,
- Schedule of revision class,
- Preparation of question paper within a stipulated time,
- upload of CIE marks in the Key-in campus,

Conduct of CIE:

The department ADC coordinator as per the circular received from ADC does the following activities:

- Prepares a list of course experts who prepares the Question paper for each course,
- Prepares and circulate the list of invigilators for the CIE,
- Ensures the availability of answer scripts,
- Reports the list of absentees to principal for each exam,
- Submits the scripts to ADC for valuation.

The ADC does the following activities:

- Collects repository of question banks at dark room,
- Facilitates provision in dark room for setting up of Question Paper,
- Prepares the list of squad members to ensure strict vigilance and discipline to avoid malpractice,
- Ensures scrutiny of Question Paper by concerned head of the departments/subject expert,
- Distributes Question Paper on the day of the exam to respective department ADC coordinators,
- Student absenteeism for internal examination session is generated and SMS sent to parents mobile
- Collects and retains the written answer scripts in central valuation hall,
- Facilitates the evaluators to evaluate the answer scripts in central valuation hall,
- Ensures the completion of valuation and entry of CIE marks in key-in campus within stipulated time,
- Conducts periodical academic audits for CIA.

Post CIE:

The course instructor interacts with students about the scheme of evaluation and distributes the corrected answer script within stipulated time. The discrepancies in marks awarded will be rectified by the course instructor after getting approval from the HoD and Principal. If student is not able to attend an internal examination due to sports/placement/medical/academic reasons, then the student is given an opportunity to appear for re-test. The internal assessment marks are communicated to parents through SMS, parent portal and university portal and it can be viewed by the students/parents.

File Description	Documents
Any additional information	View File
Link for additional information	NIL

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time-bound and efficient

The institute has devised an efficient mechanism to deal with examination related grievances which is transparent in the pattern & conduction of CIE and rectification of grievances is time bound.

The institute organizes Fresher's meet for students enrolled in the first year and their parents in which the processes of the internal and external examinations are sensitized. University conducts examination and allocates 80% marks for the end semester exams and 20% marks from their performance in CIE. Marks secured in CIE and attendance is entered periodically in the University web portal for awarding of internal marks and generating of hall ticket for end semester examination.

HoDs/Faculty regularly address the students about the mechanism followed by the Institute such as conduct of examination as per academic calendar, time duration, mark allocation, conduct of re-test in CIE for special cases, central evaluation, discussion on answer scripts with scheme of evaluation, publication of result, photo copy of university answer script, applying for revaluation if deviation in marks, scope for challenging the revaluation result, grading system, securing university rank/distinction/class.

ADC and Exam cell have been constituted by the institute to address all examination and evaluation related grievances arising during CIE and end semester exam respectively.

Internal Evaluation:

The institute has a transparency in internal examination by giving the provision to students for reporting the discrepancy in question paper to hall superintendent, who intimates to ADC and Principal. Further, the grievance will be conveyed to the respective HoD for rectification. Also, the corrective actions will be carried out by the concerned HoD to make the examination process error free in upcoming exams. The evaluated answer scripts are distributed to concerned students to verify the marks awarded based on the scheme of evaluation. In case of discrepancy, students clarify and get it rectified by the concerned faculty. After this process, CIE marks and attendance will be entered in the portal, which can be viewed by the students. The institute implemented corrective measures redressed by the students in CCM, TWM, PTA, Mentoring meeting are listed below:-

- Preparing special time table for recapitulating the course content delivered
- Arranging revision classes on the day of exam
- Rescheduling of exam on need basis
- Formatting of answer booklet for CIE similar to university answer booklets
- Revising the question pattern in line with university norms

University Evaluation:

The institute displays the schedule of exam circulated by the affiliating university. The internal mark is viewed by students and it is displayed in the student notice board. Feedback on university question paper is submitted to the exam cell. The discrepancies such as data missing, lengthy question, out of syllabus are communicated to the university through online web portal on the day of exam itself. After the university results are published, the student can receive the photocopy of answer script for applying revaluation/ challenge re-valuation on need basis. Students with health issues/partial disability can approach the university through institute exam cell for allocating separate venue and providing extra time

File Description	Documents
Any additional information	View File
Link for additional information	NIL

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Vision, mission, and PEOs are published on the college website (www.drngpit.ac.in), department website (<http://www.drngpit.ac.in/bio-medical.php>), and also circulated to the students through Email and by uploading posters in the social networking sites (<http://fb.com/bmedidians>).

Posted Location: Banner is exhibited in the main foyer of the Department ("A" Block - 3rd Floor). They are also prominently displayed on the Department notice boards, Laboratory notice boards, Cabin of all faculty members, HoD cabin, Department library, and Classrooms.

Catalogs: Distributed to the students during admission and to the industries. Apart from this, the catalogs are disseminated to all the stakeholders of the program through faculty meetings, parent-teacher meetings, Alumni meets, Workshops, Seminars, conferences, FDP, Educational fairs, and also through electronic media.

Curricular Books and Department Publications: Vision and Mission are published in the Academic Calendar, Practical Observation, Record Note, Handbook, Faculty Logbook, Department Magazine, and Newsletter.

Process of dissemination among stakeholders

The statements of vision, mission, and PEOs are disseminated among stakeholders during admission, student awareness workshops, student induction programs, Parent-Teacher meetings, Alumni meets, department advisory board meetings, and other intradepartmental meetings.

The Stakeholders includes:-

Internal stakeholder:

Management - Coordinate the activities of a program in order to achieve defined objectives.

Governing Council - Approves the mission and strategic vision of the department.

Academic Council - Exercises general supervision and guidance over the academic work of the institution to carry forward the objectives.

Department Advisory Board - Approves the PEOs and provides suggestions to the department for achieving the Programme effectiveness.

- - Act as channels for mission accomplishment.
- - Adapt the vision, mission, and PEOs for professional development.

External stakeholders:

- - Ambassadors for providing constructive suggestions for the smooth functioning of the institution.

Alumni - Brand Ambassadors carrying the mission forward.

Professional Bodies -IEEE, BMESI, SEEE, ISTE - support for excellence in education through awards and other forms of recognition.

Industry Representatives - Siemens Healthineers, GE Healthcare, Philips Healthcare, Medtronic, National Instruments, Kovai Medical Center and Hospitals, and Texas Instruments facilitate training, industrial visits, internships, and industrial projects.

Faculty from Renowned Institutions - IIT, IISc, IIST, TIER I Institutions, Foreign Universities - to handhold and suggest ways and means of delivering quality education.

Employer - Represents the major end-users of our graduates and gives inputs to overcome the gap between program and industry.

Accrediting Authorities - Accepted as agencies for the quality assurance process, under which our services and operations are evaluated.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://drngpit.ac.in/bio-medical.php
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

I. Procedure for Calculation of CO attainment

In the department, the level of attainment by the students in the courses is evaluated after every assessment continuously in each semester through the Course Outcomes. To evaluate the Course Outcomes the data is collected through Direct Assessment and Indirect Assessment.

Direct Assessment:

The direct assessment is measured from internal assessment and external assessment. The internal assessment for each course is done based on:

- i. Formative assessment through Multiple choice Questions - Online mode, Viva questions, observation and record - Cycle marks and,
- ii. Summative Assessment through internal test, class test, assignment, tutorial, model exam, mini-project.

Indirect Assessment:

The indirect assessment is measured through course end survey.

II Procedure for Calculation of PO/PSO attainment

PO attainment: The direct assessment is measured from 80 % CO attainment and indirect assessment is measured from 20% of Graduate Exit survey.

PSO attainment process: The direct assessment is measured from 80 % CO attainment and indirect assessment is measured from 10% of alumni survey and 10 % of graduate exit survey.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	NIL

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

541

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://drngpit.ac.in/iqac.php

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

<https://drngpit.ac.in/>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

16.82

File Description	Documents
Any additional information	View File
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)

3.1.2.1 - Number of teachers recognized as research guides

14

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year

3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year

1

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	View File
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://aicte-india.org/schemes

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

The institute has innate tendency to foster the culture of innovation inside the campus through various clubs/cells/centers for the research community and academic fraternity. With the objective of innovation in mind a broad spectrum of initiative are implemented.

1. IIPC to provide opportunities for the students and faculty through field visit, industrial trainings, internships, projects, industry lecture series, seminars, MoUs.

2. Institution Innovation Council (IIC) under MHRD innovation cell to nurture young professionals

by exposing them to new ideas and processes resulting in innovative and entrepreneurial activities.

3. Idea & Innovation Club under IIC to create awareness, educate, nurture and inculcate a culture of innovation aiming at idea and product innovation.

4. IIT Pals, an initiative of IITAIIC (IIT Alumni Interaction Centre), Chennai to channel the resources available within the IIT alumni community across the corporate, academic and entrepreneurial domains.

5. IPR cell to sensitize and create a conducive environment for protecting ideas and new innovations

6. Centers of Excellence to serve as a competence delivery center and to address the current challenges in learning technology and implementation

7. Association with KMCH Research Foundation (DSIR approved) to conduct meetings, conferences, symposium and projects in health care research to disseminate and acquire information.

8. Dr. NGPIT - Aosta Technology Incubation Center to provide technical assistance to students in mobile app development.

9. Research Attachment Programme with foreign universities to create conducive environment for the development of product towards research contribution.

Outcomes:

IIPC has entered into agreement with 19 leading industries, research organizations and foreign universities. Around 211 students were collaborative activities has been carried out during this year

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

86

File Description	Documents
Report of the event	View File
Any additional information	View File
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

36

File Description	Documents
URL to the research page on HEI website	https://drngpit.ac.in/research.php
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website

during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

112

File Description	Documents
Any additional information	View File
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

121

File Description	Documents
Any additional information	View File
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The institute is taking various initiatives towards extension and outreach activities for the neighborhood community and motivates the student's social participation to understand the social issues with ethical values. A mission statement for inculcating these ethical standards through outreach programs is practiced. This is further incorporated into the curriculum.

The institute established 9 technical clubs and 11 non-technical clubs in which various extension and outreach activities like blood donation camp, swachh bharat, unnat bharat abhiyan, tree sapling, hazards of plastic use, traffic rule awareness rally were organized for the benefits of the neighborhood community. Students and staff took part in various activities in collaboration with government and non-

governmental bodies, industry and community.

The institute has supported the village named Veeriyampalayam in which a hospital establishment and basic needs for education were carried out regularly. In collaboration with KMCH, the institute organized a Medical Camp and 1000 beneficiaries were screened for various tests like, B.P using Sphygmomanometer, Doppler ultrasound test, blood tests, ECG, CMT scanning and Fibro Scan.

The institute has adopted five villages under Unnat Bharat Abhiyan (UBA) namely Akkaraisengapalli, Palayur, Ganapathipur, Kakkadavu, Jallipatti aiming at for transformational change in rural development processes to help build the architecture of an Inclusive India. The institute has conducted activities such as awareness camp, Swachhata Hi Sewa Campaign, customization of solutions and development of new technology for societal issues in each village. The institute has initiated 15 ideas to implement in the villages for the technology development

File Description	Documents
Paste link for additional information	NIL
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

NIL

File Description	Documents
Any additional information	View File
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	View File

3.4.3 - Number of extension and outreach programs conducted by the institution through

NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

10

File Description	Documents
Reports of the event organized	View File
Any additional information	View File
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

158

File Description	Documents
Report of the event	View File
Any additional information	View File
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

193

File Description	Documents
e-copies of related Document	View File
Any additional information	View File
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

19

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	View File
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The Institute has established policies and procedures to create the infrastructure on par with requisite standards and norms, by adhering to the rules and regulation of regulatory bodies like AICTE, Anna University, etc. which includes human resources (Faculty, Technical and Administrative staff), laboratory equipment, built-up place, and learning resources. The institute aims at creation and enhancement of sustainable infrastructural facilities that supplement the teaching learning process. As such it successfully conducts the programmes offered in undergraduate, postgraduate and research level. The college spans over 18.93 acres of sprawling and a serene green campus. The campus has well planned infrastructure

comprising of 48 ICT enabled class rooms, 2 drawing halls, 11 tutorial halls and elective classroom, 45 laboratories, 10 industry powered centers, 9 seminar halls, 9 board room, department and IP enabled central libraries, conference centre, center for e-learning with resources like Swayam Prabha technology DTH channel, EDUSAT, A-VIEW, IIT - B spoken tutorial, NPTEL local chapter, Learning Management System and Center for Teaching Learning (CTL), e-books and e-journals, digital library to improve creative thinking and skills in technical and research fields; In collaboration with AICTE funded IIPC, Institution established industry powered centers like Center for Robotics - e-Yantra, Texas Instruments Center, NI LabVIEW Academy, CISCO Networking Academy, Cyber Security Center, CDAC-IoT Research lab, Mathworks Academy, Salzer innovation centre to train the students on emerging technologies. The sports facilities like play grounds, indoor auditorium, gymnasium to motivate the team spirit and leadership qualities among students. Extensive computing facilities with 1092 terminals and 13 Wi-Fi hotspots at prominent locations connectivity with 88 Mbps leased lines are available throughout the campus.

Optimal deployment of infrastructure is ensured through conducting workshops awareness programs/training programs for faculty and students. Effective utilization of infrastructure is ensured through appointment of adequate and well qualified lab technicians/ system administrator. The available physical infrastructure is utilized beyond regular college hours, to conduct certificate courses, co-curricular activities/extracurricular activities, campus recruitment training classes, campus recruitments, meetings, seminars, conferences etc. It is used as NTC authorized center, examination centre for bank recruitment examinations, Government examinations/Online Examinations.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

To inculcate team spirit and leadership qualities among

students, by encouraging the students to participate in various sports and games from inter-college level to national level with a qualified sports director. Sports facilities have been established for various games like cricket, football, basketball, and volleyball to ensure the focus of the institute in providing extra-curricular activities to the students.

Sports complex of the institution includes separate blocks (Sport Arena) for indoor games like Badminton, Table Tennis, Carrom and Chess. For outdoor games it has a Volleyball, Basketball, BallBadminton, Throw ball, Cricket, Football, Hockey, Tennicoit Court, Kho-Kho, Kabaddi grounds, 400m standard track - field (8 lane running track, Throwing events, Jumping events).

Gymnasium centre of the college has Treadmill, Cycling, Elliptical cross over machine, Leg press, Leg curl, Bench press, Leg extension, Shoulder press, Arm curl, Inner thigh press, Outer thigh press, Twister, Abdominal curl, Abdominal press, Chest press, Chest curl, Rowing machine, Weight plates 250Kg, Weight rod 2Kg and Dumbbell.

Regular cultural activities, on stage and off stage events were conducted through music & dramatic club of the institution, the talents in Dancing, Singing, Instrumental music, Dumb Charades, Mime shows etc., are identified and encouraged to participate in various cultural activities inside and outside the college.

Functions like Tech Fest, Independence Day, Republic Day, Sports day, Teacher's Day, Engineer's Day, Women's Day, Annual Day etc., are celebrated.

Extra-Curricular Activities

The college organizes events related to NSS, Yoga and YRC. There are nearly 25 different clubs pertaining to various topics of interest ranging from Health club to Robotics and others.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

68

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)**4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)**

67.32

File Description	Documents
Upload any additional information	View File
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource**4.2.1 - Library is automated using Integrated Library Management System (ILMS)**

OPAC (Online Public Access Catalogue) facility is made available through CAMPESiLIB Library Management Software to search the bibliographical details about the collections. Three separate nodes are made available in the Central Library for OPAC facility.

The college has central library and nine department libraries. The reading room is well furnished to accommodate 250 students at a time and provides conducive environment for study.

Exclusive reference section is available in the library. E-gate entry and exit is maintained for students and staff. New arrivals of books and journals are displayed on separate stands and racks.

Security of resources is ensured through a system of checking at the exit point for all resources borrowed by the users. CCTV cameras are fixed in the library for strict surveillance.

Electronic Resource Management package for e-journals

The library subscribes IEEE All-Society Periodicals package, ELSEVIER Science Direct package and DELNET through IP based access. A well-equipped Digital Library with 16 nodes having Internet connectivity is housed in the Central Library for accessing e-resources. As the access facility to e-journals is multi-user and IP based, students can access the E-Resources from anywhere in the campus.

Library Automation:

All the active book collection is updated in the CAMPESiLIB Library Management Software database version 6.4.10 and the OPAC is available for the users. The issue and return of books has been activated with the CAMPESiLIB Library Management Software.

Facilities available:

Printers , Scanners, Photocopy Machine: 09

Internet bandwidth: 88 Mbps

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	NIL

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	View File
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

19.70

File Description	Documents
Any additional information	View File
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

295

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

The institute has well structured IT facilities with 200Mbps bandwidth for 24x7 connectivity. The institution has wired and 15 Wi-Fi hotspot at prominent locations -wireless connectivity for use of students and faculty members across the campus including the hostel.

A separate team with in-house staff is constituted to take care of the IT & related needs of the campus such as Software Development, Hardware & Networking, Website designing & hosting, Email solutions, SMS solutions, etc.

IT infrastructure and internet facilities:

- 48Mbps of dedicated 1:1 leased line internet connectivity from BSNL and standby internet connectivity of 40Mbps from Internet Service Providers (ISP) - wire line solutions for education and research needs.

- MAC-binded 'Wi-Fi' provision at selective in-campus hubs and hostels.

Secured IT Infrastructure by Sophos XG Firewall and K7 Enterprise Endpoint Security software suite that supports 1000 users.

Desktops (1092) from various brands with latest processor capacity.

Compatible branded Higher-end servers (4) to meet the IT-specific tasks like file, database, virus and backup management.

Printers (66), Copiers (3) and Scanners (10) for document imaging and reprography.

Healthy connected 'CAMPUS-LAN' via structured Optical Fibre and CATx cabling throughout the entire campus for anywhere data access.

Piracy-free IT environment through proper licensing of software. Tailored 'Microsoft Campus Agreement (MCSA)' to utilize the latest Microsoft products.

A separate 'Open-source Lab' to extend open-source migration.

'Language Lab' with audio-video gadgets and state of the art communication teaching-learning tools.

Supportive IT atmosphere for NPTEL learning, A-VIEW workshop, EDUSAT, Value-added courses and various placement training programmes.

A dedicated helpdesk of 8 member technicians to address the computing and network issues.

Tie-up with leading assessment skill companies like TCS, Sify and Merittrac to conduct their authorized online tests.

Internet Accessibility: laboratories, class rooms, library, department, administrative area & seminar/AV halls.

Wi-Fi Availability: Classrooms, laboratories, department offices, hostels and library are connected through 802.11 a/b/g/n protocol.

IT Security Model: Secured IT infrastructure through sophos XG firewall to prevent unauthorized access with user privileges. Three-way Wi-Fi protection via IP restriction, MAC-binding & WPA/WPA2 password encryption.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

4.3.2 - Number of Computers

1036

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	View File

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

18.50

File Description	Documents
Upload any additional information	View File
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

The institute has individual personnel's for maintaining the infrastructure by way of building maintenance, transport, furniture and generator operator in case of power shutdowns. Separate complaint registers are maintained for various services like electrical, plumbing, housekeeping etc. Maintenance technician of the college, reports regularly about the breakage of instruments and devices to the higher authority.

The maintenance committee is headed by the Office Superintendent, who in turn monitors the work of the supervisor at the next level. The supervisor is accountable to the office superintendent and functions as the coordinator who organizes the workforce, maintaining duty files containing details about their individual floor - wise responsibilities, timings, leave etc. The maintenance officer conducts periodic checks to ensure the efficiency / working condition of the infrastructure.

Adequate in - house staff are employed to maintain hygiene, cleanliness and infrastructure on the campus so as to provide a congenial learning environment. classrooms, staffrooms, seminar halls and laboratories, etc are cleaned and maintained regularly by housekeeping and non - teaching staff assigned for each floor. Wash rooms and rest rooms are well maintained.

Dustbins are placed in every floor. The green cover of the campus is maintained by a gardener.

Organization chart for maintenance of physical facilities

Optimum working condition of all properties/ equipment on the campus is ensured through annual maintenance contracts (AMC). The AMC purview includes maintenance of Generator, Elevator, Air Conditioners, CCTV cameras and Water purifiers. Apart from contract workers, the college has trained in - house electricians and plumbers.

Lab assistants under the supervision of the system administrator maintain the efficiency of the college computers and accessories.

Parking facility is well organized. It is efficiently maintained by security under the control of security officer.

The campus maintenance is monitored through surveillance cameras. Proper inspection is done and verification of stock takes place at the end of each year.

Periodic reporting on requirements of repairs and maintenance are submitted by the HODs to the administrative office. The requirements are collectively processed in every semester break so as to keep things ready for the new semester.

Pest control of library books and records is done every year by the maintenance department as well as the general campus.

Estate office manager and his team are involved in the maintenance of infrastructure facilities. This team looks after the regular maintenance of civil works such as furniture repairs, masonry and plaster works, painting, carpentry, plumbing and house-keeping.

The non-teaching staff are also trained in maintenance of laboratory and computer equipment.

The Housekeeping office workers look after the maintenance of rest rooms, approach roads and neatness of the entire premises. Housekeeping services are regularly supervised.

The mechanism for maintenance in the institution is illustrated in the following figure.

A) Electrical Maintenance of Generator, UPS, Batteries

- The electrical maintenance team monitors the Generator, UPS, Batteries, and enter the condition/status of equipment in Log book.
- In case of major fault, the contractors are called for the service/replacement (belonging to equipment). The process is done based as per centralized procedure.

B) For Computer Laboratories (Utilization and Maintenance)

- Students and faculty members are provided separate login credentials to access the intranet and internet. Access to internet is provided in the lab even after college working hours. Apart from the regular lab classes, students are offered with programming languages by various value added courses which are conducted in the lab.
- Preventive maintenance and breakdown maintenance procedure is followed so as to ensure maximum availability of the systems in the lab. Installation of antivirus and firewall ensures that the software and system is secured. A daily status check on the hardware and software condition of the machines is undertaken and the same is noted in a register. This ensures that the problem is identified and rectified at an early stage itself.
- Breakdown maintenance wherein the system fails due to SMPS problem or boot failure is recorded in a register. If the problem is minor, the technical support staff of the lab rectify it. For major failures, support from vendor is taken.
- Periodic maintenance is done by regular cleaning of the lab spaces, software updates and antivirus updates.
- The stock in the laboratories were verified for the available equipment and discarded equipment, by a meticulous stock verification process by faculty team from other department.

C) Maintenance of Electrical and Electronic Equipment

- Regular maintenance of equipments are carried out at the end of every semester.
- Breakdown register is maintained in the laboratories.

- As per the requirement minor repairs are carried out by the lab assistant or faculty member.
- Maintenance of computers is taken care of by computer maintenance centre.
- Major repairs are outsourced by following the procedure of the institute.
- The faculty trainer kits are serviced- by service engineers of specified companies. The measuring instruments are calibrated regularly by standard companies.

Stock verification is done at the end of every year by the staff members from other departments and the report is submitted to the Principal.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	NIL

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

582

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	View File
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year

681

File Description	Documents
Upload any additional information	View File
Number of students benefitted by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	http://www.drngpit.ac.in/placement.php
Any additional information	View File
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

556

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

556

File Description	Documents
Any additional information	View File
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

479

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

12

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	View File
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

14

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) during the year

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

03

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Dr.NGP.IT provides a platform for the active participation of the students in the various academic other administrative bodies / committees. The main purpose of this student council is to ensure harmony across an ample, vibrant, and continuous range of campus events and activities during the academic year. The council ensures involvement and engagement of all members of the Institute and its respective stakeholder groups. This council helps the students to develop their leadership and management skills. Every academic year, the head of the institution along with head of the department selects the student nominee based on academic performance for governing the curricular activities of the department / institution. Dr.NGP.IT has constituted an active student council comprising of Chairman, Vice Chairman, Secretary, Joint Secretary, Treasurer and office bearers members. The members of the student council along with senior faculty members are involving themselves for the planning, monitoring and execution of institutional level events such as Annual day, HENOSIS (National Technical Symposium), Tech Fest (An Interdepartmental Cultural Extravaganza), Sports day, Aikman (INDUSTUDENT CONFLUENCE), Career Day, Graduation Day, Alumni interactions

and Alumni lecture series, students project expo, Spectronic (School Level Science Tec nova), hostel day, and various technical and non-technical club activities viz. NSS, RRC, YRC, Yoga, retract club, Environment Awareness club, Renewable energy club, Robotics club, oracle club, Women's Development cell, Music and Dramatic club, Tamil mandram etc. As prescribed by the regulatory bodies like UGC, AICTE, Anna University, NBA, NAAC, the institute has constituted the students representatives in the following committees like Anti-Ragging committee Grievance redressed committee IQAC Library co-coordinating committee IIPC MHRD - Institution Innovation council Placement training cell Department Advisory Board Sports committee Cultural committee Magazine committee Discipline committee Hostel and canteen committee Class committee Each department has students' representatives for the effective functioning of various activities like Special Lectures by experts, Seminars, Workshops, Symposium, National Level Conference and Intra-collegiate meet organized by the association, professional societies and chapters

Following are the roles and responsibilities of the Students association and Students council. Role of the Students association and Students council:

1. To officially represent all the students in the College.
1. To identify and help solve problems encountered by students in the College.
2. To communicate its opinion to the college administration on any subject concerning to the students and on which the council wishes to be consulted.
3. To promote and encourage the involvement of students in organizing co-curricular, extra-curricular and extension activities.
4. Responsibilities of the Students association and Students council:
5. To promote the interests of students among the college administration, staff and parents.
6. To inform students about any subject of concerns.

7. To consult students on any issue of importance.
8. To organize financial campaigns for college and charitable activities.
9. To organize educational and recreational activities for students.
10. To participate in developing the college educational projects and to promote among the students.
11. To organize an activity to recognize the efforts of students involved in various college activities.

File Description	Documents
Paste link for additional information	http://www.drngpit.ac.in/centres-of-excellence/sacc.php
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

07

File Description	Documents
Report of the event	View File
Upload any additional information	View File
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions) (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Dr.NGPIT Alumni Association (Sl.no.182/2017) was inaugurated in the year 2011 and is registered as Society in the year 2017. The Alumni Association consists of President, Vice President, Secretary, Joint Secretary, Treasurer and Office Bearers.

The main objective of Alumni Association is,

1. To promote and foster mutually beneficial interaction among the alumni and with their juniors.
2. To encourage the formation of Chapters as a means to increase participation of Alumni.
3. To educate the students about the rewards and responsibilities of the life long relationship with the College.
4. To provide the discussion to establish a link between the alumni, staff, and students of the Institute.
5. To guide and help the outgoing batch of students of Dr. N.G.P. IT regarding the professional placements and higher studies.
6. To guide and assist Alumni who have recently completed their courses of study at the Dr. N.G.P. IT to keep them engaged in productive pursuits useful to the society.
7. To provide a common platform for all alumni students to meet regularly and exchange their views regarding professional activities.

Financial Contribution:

The alumni association supports the activities by extending financial support to the students as well as the Institution. From the contribution of alumni, a significant amount of money was spent for paying fees to the economically poor students, purchase of laboratory equipments, conducting alumni lecture series and establishing alumni chapters at different areas like Chennai, Bangalore and Cochin. Further, the alumni association

supports the conduct of Cricket and hockey tournament periodically for the benefit of the students. The awards for these events are sponsored by alumni.

Non-Financial Contribution:

It also serves as a forum for the alumni for exchange of ideas on academic, cultural and social issues of the day through the alumni lecture series being conducted by various departments at regular intervals. 82 interactions were held in various departments with their alumni to foster academic, industrial and cultural issues thus resulted the conduct of curricular and co-curricular activities. Alumni also contributes to extracurricular activities like sports and employability opportunities. Frequent Alumni Lectures are arranged by respective department for the benefit of students and the alumni extend their help for current career opportunities, Placement and industrial training required at the engineering fields. The alumni support the institution and contribute to its institutional, academic and infrastructural development.

File Description	Documents
Paste link for additional information	http://www.drngpit.ac.in/alumni.php
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs)	B. 4 Lakhs - 5Lakhs
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File Description	Documents
Upload any additional information	View File

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

The governance of the institution is reflective of and in tune with the vision and mission of the institution

Response:

INSTITUTE VISION:

To empower the students to succeed in a changing world to become productive engineers and responsible citizens.

INSTITUTE MISSION:

The stated vision of the Institution will be achieved by:

MI1: Producing graduates with sound technical knowledge and skills in diverse Engineering disciplines

MI2: Adopting innovative teaching and experiential learning practices by competent faculty

MI3: Enhancing knowledge and skills in cutting edge technologies through alliances with industry and research organizations

MI4: Creating conducive learning environment with state-of-the-art infrastructure and laboratories

MI5: Inculcating ethical standards among students, both societal and personal through outreach programs.

The Institute vision and mission statements reflect effective leadership established through its governance setup and defines the Institution's distinctive characteristics. Dr.N.G.P.IT through IQAC ensures quality teaching-learning process, 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 Institute's efforts in achieving its vision are reflected through various arrangements to co-ordinate the academic and administrative planning and implementation. The formulation process is illustrated here.

NATURE OF GOVERNANCE:

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, committees, councils and clubs execute the responsibilities vested in them.

The HoDs along with faculty members takes the overall responsibility of the functioning of the department. The function happens through subject mentors, subject co-ordinators, class advisors and tutors to provide academic support, guidance, counsel, monitor attendance and communicate student progress to parents. Faculty takes responsibilities in effective curricular transaction and holistic development of the students.

PERSPECTIVE PLANS:

- Enhancing the quality of Teaching - Learning
- Promoting of Research among staff and students
- Improving Entrepreneurship Development and Industry-Institute- Interaction
- Engaging extension and outreach activities
- Improving Quality Assurance and sustainability

PARTICIPATION OF THE TEACHERS IN THE DECISION MAKING BODIES:

- Principal leads the academic and administrative bodies for effective implementation.
- HoDs along with faculty make the decision for various activities of the department.
- Faculty members and administrative team are involved in the process of decision making in executing their duties, responsibilities and rights.
- Faculty members are nominated as members of various committees such as GC, AC, DAB, PAC, IQAC, IIPC, Training and placement Cell, ADC, CFD, Budget committee, admission committee, Discipline Committee, etc., so that they can get involved in decision making.

Faculty members actively take part in various functions like Annual Day, Sports Day, Graduation Day etc., as part of organizing committee and are encouraged to give ideas

pertaining to the growth and betterment of the institution.

File Description	Documents
Paste link for additional information	http://www.drngpit.ac.in/vision-mission.php
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

The effective leadership is visible in various institutional practices such as decentralization and participative management.

The institution practices decentralization and participative management Response:

The institute practices a well decentralized pattern of working and participative management in keeping with its policy of decentralized governance. The Principal is assisted by the following faculty members in carrying out the administration of the institution.

The Institute disburses responsibilities from top-down by decentralizing duties and responsibilities for quick decision making. Faculty members are given opportunities with entrusted responsibilities for effective functioning of the academic system. At the student level, student council entrust leadership qualities by encouraging them to participate in all academic and administrative responsibilities.

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

CASE STUDY: Preparation of Academic Calendar aligned with the Academic Schedule of Anna University - semester wise pattern

The institute functions with the method of decentralized governance system. The heads of the department have been bestowed with the authority of deciding the activities and delegating the responsibilities to the staff members.

This ensures a systemized, all inclusive institution level academic calendar framed in line with Anna University schedule. At the beginning of every semester, an academic calendar is prepared by the Principal keeping in mind the parameters of institutional excellence. This is further deliberated in the presence of IQAC, ADC, Directors, HoDs and the members of student council. The key parameters in institutional academic calendar comprises:

- Administrative meeting like GC, AC, DAB, PAC, Department level HoDs meetings, IIPC board meetings, Research council meetings etc.
- Reopening dates, Assessment schedule, University examinations, Information about holidays, closing dates etc.
- Internal assessment dates, Question paper preparation, Result analysis, Result intimation to parents, Project reviews etc.
- Fresher's meet, Induction program, Bridge course, Class committee meeting, PTA etc. Professional society chapters, Club and association activities, Industry and field visits, FDPs etc.
- Placement readiness programs, Value added certification programs, Career day, Industry connect events etc.
- Institutional annual events like Annual day, Sports day, Techfest, Spectronics, AIKYAM etc. Academic Audit, Stock verification etc.

- This system oriented broad based schedule is adhered to in accordance with the affiliating university. Once approved, the finalized institutional academic calendar is circulated to all the departments.

The department academic calendar is planned and prepared

inline with the institutional academic calendar with the participation of the HoD, Faculty and Student representatives.

The department level activities pertaining to association inauguration, workshops, conferences, seminars, guest lectures, field trips, FDPs, Alumni lecture series, Industry expert visits, virtual industry tours, Industry visits etc. are envisaged in the department level calendar.

In the advent of inability to conform to specific dates, subsequent meetings are held at department level and the deviation report is forwarded to the Principal for further proceedings.

This highlights the features of decentralization making the entire process participatory and not arbitrary.

File Description	Documents
Paste link for additional information	http://www.drngpit.ac.in/academic-council.php
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The institutional Strategic/ perspective plan is effectively deployed

Perspective/Strategic plan and Deployment documents are available in the institution Response:

Yes, the Institute has prepared a perspective/strategic plan to fulfill the academic and research development, extra-curricular activities, sports, culture, infrastructural facilities of the Institute. The Institute perspective plans is available in the link (<http://www.drngpit.ac.in/iqac.php>)

Activity: Improving Quality Assurance and Sustainability

The objective of quality assurance and sustainability are:-

- To frame the Quality Policy for the academics and research
- To identify the best practices in the institution
- To formulate various committees for effective functioning
- To conduct Periodic audits for academics and administration

The need of framing the quality policy for academics and research was perceived well by the institution. The IQAC has framed the ADC guidelines, project guidelines and research guidelines for improving examination process, research projects and publications.

- The ADC guidelines address the transparent mechanism of continuous internal assessment & evaluation. The outcome of implementing this system apprises CIE which is robust and efficient and the grievances are addressed effectively.
- The project guidelines addresses the quality projects in industries carried out by the students. In spite of pandemic due to Covid 19 students were encouraged to takeup online projects and internships. 810 students underwent internships and industrial projects.
- The research guidelines regulates and monitors the activities pertaining to research, patents.

Outcomes:

- Publications in Scopus indexed journals are improved from 81 in 2019 to 120 in 2021. Number of faculty with PhD qualification is improved from 48 in 2019 to 61 in 2021.
- Research projects funded by Government and non-government recognized bodies worth for Rs.30.78 lakh in 2021.

The outcome based education is one of the best practices implemented in the institution since 2017 which resulted in innovative teaching methods, usage of modern pedagogy tools and effective utilization of ICT thereby improving the knowledge level of students.

The need of formulating various committees and clubs is to

ensure the quality. The committees such as GC, AC, IQAC, DAB, ADC and clubs such as IIC, EAC, REC, Idea and Innovation Club, etc., are formulated to carry out the activities ensuring the quality.

The need of conducting periodic audits for academics and administration is to fulfill the gaps towards quality assurance and sustainability. The institution formulated auditing committees to carry out inter department and intra audits and invite external experts for each year. The non conformities identified and corrective actions are carried out by the faculty.

With the effective implementation towards quality policies, the 5 programmes (BME, CSE, ECE, EEE and Mechanical) in the institution have been accredited by National Board of Accreditation (NBA) & NAAC with A+ Grade. In addition to this, the institute has achieved the following awards and achievements.

- Atal Ranking of Institutions on Innovation Achievements (ARIIA)' 2020 awarded under the Private / Self Financing Institution - Band B category (All India Ranking 26-50)
- Dr.K.Porkumaran, Principal, Dr.N.G.P. Institute of Technology received "Outstanding Engineer Award 2020 from The Institution of Engineers (India), Coimbatore Local Centre during 53rd Engineers Day Celebration.
- PALS 2019-20 InnoWAH Finalist - Dineshkumar S, Mahilan S, Karthikeyan K, Ajaykumar KS Mentor - Dr.S.Sankar Ganesh idea titled "Mobile App for Domestic Water Management System"
- AICTE - Internshala Internship Day All India Rank 417 out of 2,830 participating colleges across India 147 Zonal Rank from all the participating colleges of South Zone.
- DATAQUEST - CMR Survey TOP T-SCHOOLS 2020" (Government and Private) in India.
- Mechanical Engineering students idea titled "Ultra compact personalized flying vehicle" have been shortlisted for final presentation of SIH 2020 software Edition
- CSE students idea titled "Detection of Physical factors causing root rot during crop growth and maturity" have been shortlisted for final presentation of SIH 2020 software Edition.
- BME students idea titled "Warm Bed Mattress" have been shortlisted for final presentation of SIH 2020 Hardware

Edition

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	http://www.drngpit.ac.in/igac.php
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

The Institution ensures effective implementation of governance, administrative functions, policy guidelines, service rules for employment at all functional level. The Governing Council takes the responsibility of monitoring the implementation of activities in the institutional strategic plan.

- Governing Council take policy decisions regarding the academic and administrative affairs of the institution. Also it is responsible for leading the development and execution of the institution's long term strategy, managing the overall operations and resources of the institution.
- Principal is the Chairperson and suggests recommendations to the management regarding student and staff progression. He takes utmost care for the smooth functioning of the academic system and enhances the standards of education by providing an outstanding, creative and participative learning environment in the institution.
- HoDs are responsible for executing the Academic Plan of the department. They take decisions concerning department

affairs.

- Faculty takes up positions viz. Academic Coordinators, Course Mentors, Course Coordinators, Class advisors and Tutors. They are responsible for effective curricular transaction and address the grievances of students, if any.
- Administration team takes decisions regarding the entire administrative affairs of the institution. Placement officer's duty is to conduct placement readiness program that meets the requirements of the recruiters and arrange on and off campus placement drives.
- Librarian is responsible for acquisition and provision of library resources and ensures it to meet the needs of all its users.

Physical Director is to motivate and coach the students to take part in national, state level sports activities and competitions. Organize and conduct inter and intra collegiate sports events.

Service Rules, Procedures, Recruitment and Promotional Policies

- Procedures, recruitment, promotional policies are framed as per the rules and regulations of AICTE and the Anna University.
- Service rules are approved by the Governing council and are available in the college website. Service register for all faculties is maintained in the institution.
- Career advancement scheme is implemented in accordance with AICTE rules.
- Faculty members, technical and non technical staff is appointed as per norms based on the institute HR policy.

Necessary ratification is obtained from the 18th Governing Council dated 09.10.2020.

The Grievance redressal system is implemented to sort out the student grievances. This system attempts to address genuine problems and grievances irrespective of the nature of the problem.

A suggestion box is kept in the foyer to receive grievances and suggestions. The box is opened every Monday and the issues are sorted promptly based on the gravity.

The students can also approach the grievance redressal cell to voice their grievances regarding academic and non academic matters. The cell redresses the grievances at individual, class level and grievances of common interest.

Students can use the online grievance redressal linked on the website to express constructive suggestions and grievances.

File Description	Documents
Paste link for additional information	NA
Link to Organogram of the institution webpage	https://drngpit.ac.in/academic-council.php
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

The institution has effective welfare measures for teaching and non- teaching staff

Response:

The institute 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., Staff members are provided with medical concessions at KMCH and fee concessions for their wards in the NGP group of institutions.

The Institute is implementing various schemes for the welfare of the teaching and non teaching staff members. The staff members are encouraged and given financial assistance to pursue higher education, to attend FDP in their field of interest, industry visits and trainings to attend and present research papers in conferences, to publish research papers in indexed journals, to organize seminar, guest lecture, FDP for faculty members. Orientation programs are conducted for the newly recruited faculty members once in a year to enhance their teaching ability. The faculty members are encouraged to attend the seminars conferences as well as refresher courses organized by university and AICTE. The faculty members are given on duty to participate/act as a resource person in the outside Institute. The Institute provides the following welfare scheme towards motivating and retaining the employees such as EPF, insurance, Vacation for teaching and non teaching staff members, casual leave, medical leave, Free transportation for the non teaching staff members. The faculty members are appreciated with promotions and rewards benefits to Faculty. Some of the other benefits are:

- All the staff members of Dr. N.G.P. IT are entitled to avail free ambulance service in case of emergency
- The staff members are covered under medical insurance and accidental insurance. Non teaching staff members are eligible to avail free transport facilities of Dr NGPIT.
- Staff members staying in institute hostels provided with free food and accommodation with free of cost.
- The institute supports the teaching staff to enhance professional development by permitting study leave to faculty for carrying out research projects.
- Faculty members are encouraged to associate with State, National and International professional bodies.
- Concession provided in the group institutions.

Maternity Leave/Medical Leave/Casual Leave/Compensatory Off

facility Day care facility for wards of staffs at NGP group

File Description	Documents
Paste link for additional information	NA
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year**6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year**

43

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year**6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year**

56

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	View File
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

132

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	View File
Upload any additional information	View File
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

Institutions Performance Appraisal System for teaching and non-teaching staff

Response:

The institute has structured mechanism for the performance evaluation system for teaching and non-teaching staff and is carried out regularly at the end of every academic year.

Appraisal Mechanism:

The faculty need to self assess and will write the scores earned for the following criteria's in the Self appraisal form (1000 Marks) with the following key parameters.

Academic Performance (210 Marks) Service to College (150 Marks)
Professional Development (280 Marks)

Research and Development Activities (200 Marks) Industry
Institute Collaboration (160 Marks)

The faculty will submit the self appraisal form to the Head of the Department with all the relevant supporting materials/documents

Head of the Department will award scores for all the criteria and will submit to the Head of the Institute with all the recommendations.

Head of the Institute will assess the scores awarded for the criteria and submit to the management with all the recommendations.

The Strength and Weakness of the faculty member in all the criteria are analyzed by the Head of the Department and the Head of the Institute and the same will be conveyed to the faculty member for further improvements.

HoD observes the preparedness and involvement of the faculty in multiple activities throughout the year. A feedback taken from the students gives further inputs regarding the effectiveness of the teaching learning methodologies used. Heads will administer the feedback questionnaire to students for academic programmes and any other training programme of similar type through the learning management system.

The self appraisal scores with the recommendations of the Head of the Department and the Head of the Institute will be considered by the management for career advancements.

The responsibility and involvement of the non - teaching staff are also assessed. The components of assessment are as follows:

Professional Competence Technical Performance Service to the Institute

Skill upgradation through participation in courses

File Description	Documents
Paste link for additional information	NA
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Institution conducts internal and external financial audits regularly

Response:

M/s Dr NGP Institute of Technology is run by M/s Kovai Medical Centre Research and Educational Trust.

Internal Audit:

Finance Controller is responsible for Internal Audit and Internal Control. The scope of internal audit programme comprising of Vouching, Monitoring the day to day operation. Confirmation balance of Assets and Liabilities, Statutory payment like PF, ESI, TDS and other local taxes and Prompt payment of Bank repayable. Review with Institutional accounts team for the observation of the audit quires. Ensure the audit quires are properly carried out.

External Audit :

Half yearly and Yearly Books of Accounts submitted to the Statutory Auditor for carry out the External Audit. They will check Bank and Cash Vouchers, Purchase orders with Bills, Bank statements and other statutory related documents. After analyzing the books of accounts they will submit the queries to

Finance controller. After the explanation from the institution financial department, the Financial statements will be prepared. The financial statements of the Institute provide a realistic statement through the audit report that the books of accounts reflect a true and fair view of the operational activities and the financial position of the Institute for the relevant financial year.

Overview of the Finance, Accounts & Audit

Book Keeping : Double entry Book keeping

Systems : Tally ERP SERVER - Version 6.5.4

Accounting Standard : Follow with Indian Accounting Standards

Qualification & Experience : Graduate in B Com, M Com, MBA with more than 30 years of experience.

Auditors : CA with 40 years of experience

Internal Audit : We have a month end book closing mechanism.

- Monitor Day to Day accounting activities. Monitor legal requirements.
- Operate appropriate systems of internal controls. Develop, publish and follow the accounting standards. Book closing. Trail balance preparations
- Monthly Audit carried out by Finance Controller.
- Audit Observations discussed with Institution accounts team.
- Clarification / Rectification from Institution accounts team carried out every month.

External audit : Checking of all the expenses / Vouchers Bills accounted in a respective months.

- Book closing. Trail balance, Finance reports Preparations, Submitted to Auditors. Audit carry out by External auditors.
- Audit Observations carried from accounts team. Book closing.
- Books with Financial report Submitted to Auditors
- Every Quarterly and Half yearly Auditors will come and securitize the vouchers Clarification / Rectification from Accounts team.

- Final Book closing - Trail Balance - Financial Reports preparation. Discussion with Management
- Financials Approved by Trustees Submitted to Income tax department. Financial year book closing.

The institute ensures that information provided in the financial statements are of high quality and are acceptable by the Trustees, Chartered Accountants and the Government bodies.

File Description	Documents
Paste link for additional information	NA
Upload any additional information	View File

6.4.2 - Funds / Grants received from non-government bodies, individuals, philanthropers during the year (not covered in Criterion III)

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

nil

File Description	Documents
Annual statements of accounts	View File
Any additional information	View File
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Institutional strategies for mobilization of funds and the optimal utilization of resources

Response:

Funds mobilization from various resources is detailed as below.

Tuition fees

Grants from Government and Non Government bodies Interest on

Fixed Deposit

Term loan from Banks

Utilization of resources

- Funds received mainly from Student Tuition fees are spent on payment of salary of teaching, non-teaching staff, recurring and non recurring expenses of the Institution.
- Grants received from Government and Non Government bodies are mainly earmarked for student Skill and Development activities. Trustees and Finance Controller of the Institution monitor the utilization of received grants.
- Adequate funds are allocated for effective teaching-learning practices that include Research programs, Orientation Programs, Workshops, training programs, Refresher Courses and National and International seminars that ensure the quality of education.
- Budget is utilized to meet day to day Operational, Administrative expenses, Capital, Maintenance of fixed assets, Green initiatives and Energy saving equipment.
- Funds are allotted and utilized every year for augmentation of library facilities to enhance higher learning practices of students.
- Adequate funds are utilized for development and maintenance of infrastructure of the Institution. Funds are allocated for social service activities as part of social responsibilities through NSS, YRC, Red Ribbon Club. SAC club and other club activities.
- Main motto of resource mobilization and optimal utilization of resources is to put Dr NGP Institute on bench mark in tune with quality teaching and unique growth of students.

Bank Funding

The essential assets for the Institution are availed through Term loan from Banks. Those Funds are used in Building, Electrical, Plumbing, Furniture and Fittings and Vehicle, Which are essential to the Institution.

File Description	Documents
Paste link for additional information	NIL
Upload any additional information	View File

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

The IQAC is constituted to monitor 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.

Practices institutionalized as a result of IQAC Initiatives:

1. Establishment of Academic Development Cell to ensure effective curriculum transaction and systematic assessment.

The ADC is established to ensure preparation and implementation of academic calendar related to the academic aspects such as instructional planning and delivery, assessment and evaluation of student learning for theory, practical and project and periodical academic audits.

Academic Calendar

An institution level academic calendar is prepared in line with Anna University. Based on this, department academic calendar is prepared keeping the following key parameters as inputs.

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.

Course Plan

- Course 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 to provide synergetic massive learning exchange platform Invited talks by eminent professionals from industry and academia.
- Case studies and industry visits
- Value additions through industry powered laboratories.

Academic Audits

- 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
- Enrichment programs
- University question papers
- Invited talks, Seminars, Workshops and Conferences
- 2. Establishment of IPR cell:
 - The IPR cell has been established in the year 2016 with the objective of converting the lab to land projects into patent.
 - Organizes various seminars and FDP on topics related to patent filing, patent searching
 - Innovative projects are presented in the department level and top 3 projects are shortlisted and forwarded to IPR scrutiny committee
 - IPR scrutiny committees reviews and performs patent search for viability
 - Recommends the patentable projects to management for sponsoring the application fees and consulting fees
 - Legal terms viz. patent claim, 3D drawing, specifications are incorporated into the application for patent filing
- Outcomes:
 - 18 patents have been published by the faculty across various domains.
 - MHRD - Institution Innovation Council along with Idea & Innovation club organized 16 events like project expo, Hackathon, submission of Proof of Concepts (PoC) to bring out innovative ideas 1 project shortlisted as finalist out of 30 innovative ideas submitted to SIH 2018

File Description	Documents
Paste link for additional information	https://drngpit.ac.in/iqac.php
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and

recorded the incremental improvement in various activities

The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

Response:

Yes, the institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through the following mechanism governed by IQAC.

Examples for Reviews and Reforms in Teaching learning:

1. Periodical meetings for governance
2. IQAC initiated to formulate Programme Assessment Committee, Department Advisory Board and course mentor system which help to review the progress of course completion, effective teaching learning, attainment and assessment of learning outcomes, etc., Periodic meetings are conducted in which the committee members present their evaluations and plans for improvement. The committee reviews and provides feedback and suggestions.

Structure, Methodologies and Frequency of Meeting:

Reforms:-

- Formulation of COs, POs/PSOs for implementation of OBE, assessment (formative and summative) and attainment for COs, POs/PSOs are carried out.
- Establishment of Centre for Teaching and Learning to facilitate teaching-learning related activities using modern pedagogy techniques and innovative practices.
- Strengthening of ICT facility by providing smart boards for each department, LCD projector and audio system for all class rooms towards strengthening teaching learning practices.
- Establishment of Centre of excellence for bridging the gap between industry and academia. Strengthening E-Learning facilities such as LMS, NPTEL, Swayam Prabha, Digital library etc, Organizing Skill development course such as VAC, Life Skill Course, Certification Course, VET

to upgrade the skill set of the students thereby increasing their employability.

- Organizing Faculty empowerment programme to foster a dedicated and enthusiastic effort to implement effective teaching learning process.
- Arranging Factory visits towards knowledge upgradation on recent technology.

3.Feedback System

IQAC has framed a structured feedback mechanism for analyzing the effectiveness of the teaching learning process. The feedbacks are collected on the aspects such as Curriculum, Infrastructure Facilities and Faculty. In addition, feedbacks are also collected for certification courses, industrial visits and training programs.

Feedback on Teaching and Learning Process:

Feedbacks from students are obtained periodically by the Head of department in the course review meetings, TWM, CCM and end semester meetings, Course end survey, Graduate Exit Survey, Alumni Survey. Students feedback on teaching-learning process are collected, analyzed and presented to the department Heads. From the assessment of the feedback, suggestions for improvement if any, is carried out. The following feedback listed in the following table is obtained from students.

Action Taken and Impact Analysis:

Based on student feedback received

- in tutor ward meeting, Placement orientation & Career Day program has been organized for all the students to get the awareness on skill sets required for employability.
- in the class committee meeting, additional classes are provided for analytical courses to strengthen their learning ability.
- in course review meeting, special classes for theory and lab sessions are arranged for the completion of the syllabus portion before the internal assessment
- in end semester review, orientations regarding the university examination preparation and additional revision classes for the slow learners are organized.

Based on which, students are able to solve the complex problems with more confidence

- in course end survey, usage of modern pedagogical tools like NPTEL, Virtual industry tour, industry guest lectures, etc. has been increased.

File Description	Documents
Paste link for additional information	na
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://drngpit.ac.in/iqac.php
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

The institute provides facilities to all the staff members and students towards promoting education that would be sensitive to the needs of the various sections of society with special

emphasis on gender equity and gender sensitivity. It aims to prepare the student to be self-reliant, specialists in their chosen discipline, continuous learners, effective communicators, respectful of different cultures, socially responsible, aware of their social and civic responsibilities, sensitive to gender issues with zero tolerance towards sexual harassment, women safety and security, and environmental consciousness. Students of both the genders are given equal opportunities to grow and develop into able, responsible citizens of the future. The institute makes efforts to maintain gender balance among the staff members and students.

Gender Equity Initiatives

The institution established gender equity and women empowerment initiatives through Gender Equity Cell (GEC) and Women development cell (WDC). The cells have organized 68 such programs exclusively.

Gender Equity initiatives are grouped into four impact areas:

- Recruitment, promotion, and tenure;
- Professional and leadership development;
- Equal opportunity for administrative and leadership positions; and
- Recognition and increased visibility of the Institute's commitment to gender equity.

The major activities promoted by Gender equity cell are listed below:

1. Implicit bias workshops
2. Processes and pathways to advancement and promotion
3. Favourable salary administration
4. Professional and leadership development programs
5. Inclusive and open processes for appointments
6. Reporting system awareness
7. Success story promotion
8. Event promotion
9. Gender equity data

Equal opportunity in academic and administrative activities for staff and student member

- Specific facilities provided for women in terms of:
 1. Safety and security

- Round the clock security at all entrance and at all prominent locations across the campus.
- Institute premises covered under IP enabled advanced video surveillance system with 92 cameras.
- Secured environment for male and female students in the hostel premises.
- Fire safety trainings and other safety awareness training programs are organized for staff and student of both the gender. 225 fire extinguishers and fire hydrant systems are provided in prominent locations.
- Basic life support training programs are provided through healthcare club to students and staffs at regular intervals.
- Insulated mats are provided in electrical laboratories for safety from shocks.

Ambulance facilities readily available in 24 hour service

2. Counseling

The counseling system in the institution is a cyclic and continuous interaction with students to assess their progress. The system effectively covers academic, psycho-social and career issues. A team comprising of faculty tutors, class advisors, head of departments, peer mentors, alumni, placement coordinators, professional counselors, industry mentors and placement counselors provide guidance and Mentoring for the students. Each department is provided with a separate counseling room for one to one interactions with students and staff members. Close mentoring and monitoring of students is done and a healthy student-faculty relationship is maintained. Dr.Karthikayani Murugan, Clinical Psychology is appointed for Professional Counselling.

3.Common Rooms

- Common room is provided separately for both gender of student and staff
- Medical room is provided with first aid kit

Separate study hall in hostel premises

File Description	Documents
Annual gender sensitization action plan	http://drngpit.ac.in/centres-of-excellence/authentication_cert.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	http://drngpit.ac.in/centres-of-excellence/authentication_cert.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

B. Any 3 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

The institute inspires inhabitants to remain eco-friendly through its campus. Besides having infrastructure, construction as per the necessity for an educational campus, the institute puts in conscious efforts to enhance and nurture the eco-friendly environment on the campus. Monitoring and assessment of the green environment on the campus is done periodically.

Institute practices the waste management including solid waste management, liquid waste management and E-waste management.

Solid waste management

The total solid waste collected in the campus is 15 to 20 Kg/day on an average, from tree droppings, cups, paper, food waste etc. The waste is segregated at source by providing

separate dustbins for Bio-degradable and non bio-degradable waste. Metal, Food and wooden waste is stored and given to licensed agents for further processing.

Liquid waste management

The Sewage water from the entire campus is received through the underground pipe lines. The treated water about 4166 liters/hour by Sewage treatment plant (STP) of 100KLD is used for gardening and flush out purposes. 19 lakh is spent to install STP.

Biomedical waste management

The institution takes efforts in collecting & segregating biomedical waste from labs. The same is carefully disposed off by a third-party vendor.

E-waste Management

Efforts are taken to identify the sources of e-waste in the institute through its e-waste management system through environmental awareness club (EAC) and it has vendors to dispose the e-waste materials. The concept of reuse e-products has greatly reduced the problem of disposal. Electronic goods are put to optimum use; the minor repairs are set right by the staff and the Laboratory assistants; and the major repairs, by the professional technicians, and are reused. The damaged computers are used by the instructor in the practical sessions of the Certificate Course in Computer Maintenance and Hardware. They are exchanged with the local dealers. UPS Batteries are recharged / repaired / exchanged by the suppliers. The waste compact discs are used by students for decoration and participation in competitions on 'Art from Waste'. When they fall out of use, they are handed over to the agent of the suppliers of electronic equipment. Separate store is maintained for E-waste storage.

Hazardous chemicals and radioactive waste management

Institute produces only a negligible quantity of hazardous waste. Yet, efforts are on to curtail its spread. Chemical and biomedical waste are stored and given to authorized scrap agents for further processing

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	View File
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

B. Any 3 of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**
- 3. Pedestrian-friendly pathways**
- 4. Ban on use of plastic**
- 5. Landscaping**

A. Any 4 or All of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	B. Any 3 of the above
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	View File
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	B. Any 3 of the above
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File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	View File
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The institution focus in bringing harmony and tolerance towards cultural, regional, linguistic, communal socioeconomic and other diversities to impart oneness in the minds of students. The objective is to imbibe parity thinking in students and staffs on all believes and practices followed by various cultures, regions, linguistic, communal socioeconomic and other diversities.

The Music and Dramatic Club, Uyir Club, YRC Club, Rotaract Club and Consumer Club established at DrNGPIT ensure that the above said objective is imbibed to the student's community through various activities organized through online mode.

Programs on Cultural, Regional, Linguistic & Communal Socioeconomic:

Yoga-The Natural Immunity Booster, Programme on Transition from School to College, Assertive Personality, Redefining me, The Social Dilemma, Empowering The Moral Values, Ethics And Behavioral Attitude In Teaching Skills Among Teachers in three phases, Riding through tough times and Equipping for your bright future, Hone Your Soft Skills, Recycling and Reuse of Plastic Waste, Utilization of E-Waste in Construction Industry, Taste the Failures, Swachhta - Rural Engagement

Programs on Other diversities:

Exemplary Alumni Series on " The Social Dilemma, STTP on Empowering The Moral Values, Ethics And Behavioral Attitude In Teaching Skills Among Teachers in three phases, Riding through tough times and Equipping for your bright future, Hone Your Soft Skills, Department of Civil conducted National Level Virtual Conference on Recycling and Reuse of Plastic Waste Emerging Technologies in Construction Industry, Utilization of E-Waste in Construction Industry, Healthy and Well Being, Sky is the Limit, Social Entrepreneurship - Swachhta - Rural Engagement.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File
Any other relevant information	View File

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Sensitization of students and employees of the institution to the constitutional obligations say values, rights, duties and responsibilities of citizen develops universal values in students and staffs.

The activities of The Music and Dramatic Club, Uyir Club, YRC Club, Rotaract Club and Consumer Club at DRNGPIT contributes towards inculcating the constitutional obligations say values, rights, duties and responsibilities of citizen to the students of DrNGPIT. The conduct of various activities under themes such as national values, human values, communal harmony, social cohesion etc., helps to remind, develop right behavior to reinstate constitutional obligations in each of their minds. Various departments conducted programs in online mode. To name a few International Women's Day celebrations, Teacher 2.0 - Motivator & Learner, Share & Inspire on A Take on Health, Let us be an Engineer Not just a Graduate, Roles of clinical engineers in modern healthcare industry - A post Covid 19 Impact, Safe and clean environment for Healthy Living and Safety of Women

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	http://drngpit.ac.in/centres-of-excellence/7.1.9-igac-report.pdf
Any other relevant information	nil

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this

B. Any 3 of the above

regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff
4. Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	View File

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

DRNGPIT has taken efforts in organizing national and international commemorative days, events and festivals during the year. All national festivals are celebrated with great enthusiasm to inculcate a sense of patriotism in students. Every year students come together and perform cultural programs like dance, skits highlighting societal problems. Ex-defense or police persons are invited to share their experience, to inspire and to motivate young minds to contribute in building the nation. National flags are distributed to faculty, staff and students to instill sense of pride amongst them. The NSS unit and the student's council organize many cultural programs to address prevailing social issues. The student, faculties and staff participate and rejoice during this celebration with great patriotic fervor.

Due to pandemic the programs were conducted online for the academic year 2020-21. The list of events is, Social Entrepreneurship - Swachhta - Rural Engagement, Teachers day celebration, Independence day celebration and Engineers Day on Vishveshwarya Day is celebrated

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

BEST PRACTICE -I

1. Title of the Practice: Industry Alliances and Partnership through AICTE sponsored IIPC Centers of Excellence, Industry powered centers and MoUs.

2. Objectives of the Practice: The objectives in establishing IIPC is to strengthen Industry-Institution interaction so as to enable free consultation, technology upgradation, orienting staff and student to industry practices, changing trends and workplace culture with the required skills and to assist in undertaking industry projects.

- To arrange industrial training for students and identify appropriate student project work in industry.
- To interact with industrial organization for conducting joint project work involving faculty, research scholars and students
- To invite professionals from industry to sensitize the students and faculty with industry practices. Also, associating with experts from industry in planning and review process of elective and value added courses.
- To organize personality development workshops and soft skill training with the help of industry experts.
- To arrange technical festivals, project expo, design competitions/ Hackathon events to carry out more innovative and lab to land projects.

- To plan and execute continuing education programs.

3. BENEFITS :

- Augmentation of certified courses, guest lectures, seminar, workshops, field trips, industrial projects to fulfill the identified curriculum gaps.
- Sharing of 47 resources and expertise by establishing Centers of Excellence.
- Promoting students and staff industry linkages through MoUs.
- Revenue generation by consultancy and collaborative research projects towards product development, publications and intellectual property rights.
- Faculty stand to gain by way of exposure to latest industry practices for more effective teaching learning processes.
- Industry stands to gain by way of creating employable manpower pool and increased thereby improvement in the quality of goods and services for society.
- Augmenting much industrial collaboration that yields better placement and internships.

4. The Context Since there exists a hiatus between curriculum taught and industry requirements, Centers of Excellence, Industry powered centers have been set up to provide industry certified courses and hands on training for better employability and career growth.

5. Practice

- Linkages have been created with industries and MoU's have been signed.
- Industry powered laboratories have been established.
- Internships in-plant trainings and industrial projects in reputed organizations.
- Finding solutions of various problems faced by industry during the operation of industrial unit.

- Conducting market survey and feasibility reports through projects assigned to students and making them industry fit.
- Research internships and attachments programs have been provided with industries and foreign industries.

6. Evidence of Success

During the academic year 2020-21 one MOU is signed with Test And Verification Solutions (A Subsidiary Of Tessolve Semiconductor)

Following are the evidence of success signed till the academic year 2019-20.

Signed 56 MoUs with leading industrial organizations to name a few Siemens Healthcare Pvt. Ltd., Giles Brooker Group, IIT Pals (IIT Alumni Leadership Series), Dexler Information Solutions Pvt Ltd., Texas Instruments, TMI Systems, Helix Pvt Ltd, IBM India Pvt Ltd., KEF Infrastructure India Pvt Ltd., Shankar and Associate, Coimbatore Productivity Council, Oracle Corporation, Cisco Systems Ltd., National Instruments, Siemens Limited, HCL, BSNL, CODISSIA, COINDIA, UTL Technologies Ltd., MoU signed with foreign universities like UniversitiTeknologiPetronas, Malaysia, Florida Atlantic University, USA, Wayne State University, USA for research internship programs and staff training programs. Established industry powered centers and Centers of Excellence namely Mathworks Academy, Salzer Innovation Center, CDAC- IoT research lab, NI LabVIEW Academy, CISCO Networking Academy, IITB E- Yantra : Centre for Robotics, TI Centre. Arranged internships, in-plant training and industrial projects with reputed industries like DRDO, ISRO, CTS, BHEL, Keltron, Pricol, Ashok Leyland and others.

7. Problems Encountered and Resources Required Constant motivation is required to enable the students to become certified professionals in the programs conducted by these establishments and to manage time between regular academic schedule and industry interface programs.

BEST PRACTICE -II

1.Title of the Practice: Green campus initiatives and practices.

2.Objectives The Institute is implementing appropriate Green

campus practices to foster a culture of self-sustainability and make entire campus environment friendly. The major objectives of green campus initiatives are:

- ? To promote optimum utilization of renewable resources.
- ? To establish the green campus structures for the sustainable implementation of green campus 48 practices.
- ? To create a model for waste management and eco-friendly methods.
- ? To reduce greenhouse emissions on campus in order to cope up with climate change.
- ? To ensure the preservation of natural resources with aids of rain water harvesting system, sewage treatment plants, bio hazard management and E- waste management etc.
- ? To create awareness about green campus practices among the students and staff members.

3. BENEFITS :

- ? Establishment of rain water harvesting system, sewage treatment plant etc. inside the campus. ? Reduction in conventional energy consumption and energy losses through enhanced utilization of renewable energy practices.
- ? Establishment of renewable energy clubs, Natural club and environmental awareness clubs through which many events and seminars are conducted to create awareness about Green campus initiatives and practices among the students and staff members.
- ? Green audit is conducted in a yearly basis to assess waste management mechanism, natural issues, sources of water etc. and suggested appropriate remedial actions.
- ? Obtained green energy audit certificate from TUV India Pvt. Ltd., which ensures the implementation of Green campus initiatives in the campus.
- ? The two blocks has a central open quadrangle which allows cross ventilation and ample sunlight to all the class rooms

4. The Context : Since the need arise to protect the

environment, prevent the waste of water and optimum utilization of energy resources in the campus, the institute adopts various Green initiative practices with the voluntary participation of students and staff members.

5. The Practice Energy audit process has been implemented through energy audit team comprising faculty and students. Instructional labels with respect to Green campus initiatives are displayed at prominent location inside the campus. Renewable energy such as solar plants, solar heaters and solar lamps have been installed inside the campus. Rain water harvesting system have been constructed with cost of Rs. 92,340/- within the campus. Tree plantation activities are carried out at regular basis through EAC in association with NSS. Sewage is being treated with usage of sewage treatment plant. Usage of paper has been optimised on the campus by using ICT tools. Establishment of waste management system to treat hazardous and E-waste etc. Usage of common transport system, battery operated vehicle and increase of usage of bicycles are encouraged among the faculty and students to reduce the carbon footprints.

6. Evidence of Success:

The following are the evidence of success attained during the academic year 2020-21.

- Automatic tank level controls are installed in all overhead tanks.
- Water doctor are provide in all floors which automatically detects water level and sensor and indicator are provided for energy efficient operation.
- Alternate and renewable energy sources like solar electricity (190kWH solar plants in Six Buildings) which contributes 23.41% of total power requirement.
- 34.56% of annual lighting power requirement met by LED light sources with an annual expenditure of Rs3.94 Lakh and these measures are audited by TUV India
- Existing CFL and conventional light sources are replaced with LED bulbs at a cost of Rs. 1,21, 800.00/-
- All street lights are replaced by LED lighting which further reduces in the energy consumption. About 1100 Tube lights are replaced by LED Lighting.
- Total power requirement met by the renewable energy sources is about 27 Installation of 3 roof top solar

plants with the capacity of 20KW, 30 KW and 60KW in the campus to meet the annual power requirement of the institution.

- Around 32000 Litres of rainwater have been harvested through rain water harvesting system which has also increased the ground water levels. The harvested rain water system is used for gardening and other purposes.
- Considerable improvement in cleanliness and Hygiene has been observed after the implementation of waste collection mechanism through the usage of different color bins representing Bio degradable and plastic wastes. Further a mechanism has been established to process the e-waste through an environmental friendly measure.

7. Problems Encountered and Resources Required: Constant motivation is required to enable the students and faculty on sustainable utilization of the established green campus practices.

File Description	Documents
Best practices in the Institutional website	https://drngpit.ac.in/
Any other relevant information	NIL

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

INSTITUTIONAL DISTINCTIVENESS: The vision of Dr.NGP Institute of Technology, Coimbatore is to empower the students for succeeding in a changing world to become productive engineers and responsible citizens. To achieve this Vision, institute works comprehensively in both academic and administrative aspects. Creating conducive learning environment with state-of-art infrastructure and laboratories and emphasize on inculcating ethical standards among students through outreach programs. Activity- Conducive learning environment to impart quality education: Dr. NGPIT has an eco-friendly campus with 48 ICT enabled classrooms, 45 well equipped state of art laboratories, IP enabled well stocked library, 14 Industry powered centers which nurture the students to enhance their technical competency. Institute ensures the continuous upgradation of the laboratories to fulfill the curriculum gaps

as per the industrial needs. In every department, class rooms, tutorial/Elective room and seminar halls are equipped with ICT facilities. In labs and class rooms LAN and Wi-Fi facilities are available. Exclusive department library is equipped with computing facilities, adequate seating capacity, technical books to impart quality education. Institutes indigenously developed Learning Management System (LMS) web portal is accessible to all stakeholders with learning material, attendance, internal test performance and other news and events. LMS: It is an IP enabled online software used to share the course content to the students for the enhancement of Teaching Learning process. It also used to share various study materials on the basis of anytime and anywhere accessing. It provides an efficient way to conduct forum discussion among the student community and online quiz. Library: The institute has central library and nine departmental libraries. There is an Online Public Access Catalogue (OPAC) for students and staff. The reading room is well furnished to accommodate 250 students at a time and provides conducive environment for study. Exclusive reference section is available in the library. The institute established 14 industry powered centers and incubation centers to offer value added courses, Life skill courses and vocational educational courses to the students and the public.

Students are encouraged to participate in various extension and outreach activities through professional societies, clubs to instill social and ethical values. Through IIPC, the institute has signed MoUs with industries and foreign universities for research collaborations, Internship/Inplant training programmes, Industrial Visits to gain knowledge on real time applications. Institute provides prerequisite training to students for building and developing competencies for the placement and career development. Academic Facilities: The institute has a vast campus with well planned network comprising more than 48 class rooms, 4 drawing halls, 14 tutorial halls, 7 elective classroom, 62 laboratories, 8 department seminar halls, 1 conference centre with seating capacity of 1200, 9 department libraries in addition to the central library, Convention Center, Audio Visual enabled classrooms, IP enabled library. In addition Center for e-learning facilities established with resources like Swayam Prabha technology DTH channel, Center for Teaching Learning (TLC), EDUSAT, A-View, IIT - B spoken tutorial, NPTEL nodal center, Learning Management System, e-books and e-journals, digital library to promote the eLearning practices to enhance

the quality of education

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	View File

7.3.2 - Plan of action for the next academic year

1. To apply for Autonomous status with Anna University Chennai and UGC, Delhi

2. To renew NBA for 5 programs - BME,ECE, EEE, CSE and MECHANICAL

3. Formulation of various statutory committees for smooth functioning of Autonomous