



Dr. N.G.P. INSTITUTE OF TECHNOLOGY
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Recognized by UGC & Accredited by NAAC)
Dr.N.G.P. Nagar - Kalapatti Road, Coimbatore, -641048, Tamilnadu, India.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



ECE NEWS LETTER



January-June 2017



Chief Patrons:

Dr. Nalla G. Palaniswami

Chairman

Dr. Thavamani D. Palaniswami

Secretary

Patrons

Dr.O.T. Buvaneswaran

CEO, KMCRET

Dr. K. Porkumaran

Principal

Chief Editor

Dr. S. Suresh Kumar

Director – Research HOD – ECE

Editors

Dr.M.Dhivya, ASP/ECE , Ms.S.Kalaivani , AP/ECE

Ms.S.Shanthini ,AP/ECE, Ms.S.Subashini, AP/ECE

Student Editorial members:

IV A

E.Abishake

V.K.Keerthi

III A

R.Nirmal Kumar

S.Nithin

III B

S.R.Priyalakshmi

T.Soundarya

II B

M.Suba

V.Prakash

Phone: 0422 -2369105, 2629362 | 0422 -2369128 Fax: 0422-2369106

E-mail: info@drngpit.ac.in | hod_ece@drngpit.ac.in



Dr.Nalla G.Palaniswami
Chairman,
Kovai Medical Center & Hospitals,
Coimbatore.

**Dr.Thavamani
D.Palaniswami**
Secretary,
Dr.NGP Institute of
Technology,
Coimbatore.



Dr.O.T.Buvaneshwaran
Chief Executive Officer,
Kovai Medical Center Research
and Educational Trust,
Coimbatore.

Dr.K.Porkumaran
Principal,
Dr.NGP Institute of
Technology,
Coimbatore.



Dr.S.Suresh Kumar
Director Research,
Professor and Head, ECE
Dr.NGP Institute of Technology,
Coimbatore.

INDEX

S.No.	Content	Page. No.
1	About ECE Department	1
2	Laboratory	4
3	Student Toppers in Academics	5
4	University Rank Holders	6
5	Achievements / Awards	8
6	Events – Association	9
7	IETE	11
8	Research	13
9	Placements	19

ABOUT ECE DEPARTMENT

The Department of Electronics and Communication Engineering (ECE) was established in the year of 2007 to impart quality education in frontline areas of electronics, Communication and its derived engineering and technology.

Since its inception, the department has been on high growth path with 27 well experienced and dedicated faculty members including 6 doctorates and 9 Pursuing Ph.D. The Entire Faculty team with diverse specialization and strong commitment mould the undergraduate and post graduate students (404) as holistic engineers with optimum learning environment.

The thrust areas of research are Digital Communication, Antennas, Signal processing and high Frequency Communication, Fiber Optic Communication, Instrumentation, VLSI and Microprocessors, Micro-Electronics Devices, Digital Electronics, Telecommunication, Microwave Engineering, Switching Systems, Computer Networks, Embedded and Real Time Systems and may more

The Laboratories are well equipped with modern training facilities to nurture the inclination of the students towards the standard set by the competitive syllabus and practical knowledge. The Department has various Industry collaborated centers and MoU signed with Texas Instruments, National Instruments, UTL Technologies which aids the students to meet the global challenges of the Engineering Industries.

Vision:

Facilitate transformation of Electronics and Communication Engineering Students into Competent Professionals contributing to the Global Societal Needs.

Mission:

MD1: To produce competent engineers with sound technical skills and serve the needs of the scientific community and society.

MD2: To adopt inspiring teaching and learning practices for quality education and research.

MD3: To promote experiential learning through collaborative interaction with industry and professional organizations

MD4: To attain professional excellence by providing well equipped Laboratories, and industry driven skill development programs.

MD5: To instill Ethical, Moral and Healthy professional practices for societal Benefits.

Programme Outcome:

Graduates of Electronics and Communication Engineering will have the ability to

POa: Engineering Knowledge: Apply Knowledge of Mathematics, Science and Engineering

POb: Problem Analysis: Conduct Experiments, Analyse and Interpret Data

POc: Design / Development of Solutions: Design an Integrated System to Meet the Needs within Realistic Constraints

POd: Conduct Investigations of Complex Problems: Investigate, Formulate and Solve Engineering Problems

POe: Modern Tool Usage: Demonstrate Skills to Utilize Modern Engineering Tools Significant for Engineering Practice

POf: The Engineer and Society: Acquire Broad Education Essential to Appreciate Global, Economic and Societal Concerns

POg: Environment and Sustainability: Comprehend the Impact of Engineering Solutions in Environmental Context for Sustainability

POh: Ethics: Practice Professional Responsibilities and Ethics

POi: Individual and Team Work: Cultivate Effective Interpersonal and Teamwork Skills

POj: Communication: Communicate Effectively on Engineering Activities

POk: Project Management and Finance: Realize Project Management and Finance in Multidisciplinary Environments

POl: Life-Long Learning: Improve the Professional Value through Self Education and Life Long Learning

DEPARTMENT DETAILS

- Faculty Strength : 27
- Student Strength – UG : 398
- Student Strength – PG : 6
- Value Added Courses
 - ✓ Embedded System & its Application using MSP430
 - ✓ C,C++, MATLAB, LABVIEW

MILESTONES (JAN - JUNE 2017)



KALAIVANI (7107134331003) of 2014 Batch secured 18 University rank with a CGPA of 8.62 in ME(EST).

India Innovation Challenge 2016: Are You The One?

Shortlisted teams for the Quarterfinals (Selected for Golden Round)

Team ID	Project Title	College Name
101	Smart Car using IoT	Anna University, Chennai
102	Smart Car using IoT	Anna University, Chennai
103	Smart Car using IoT	Anna University, Chennai
104	Smart Car using IoT	Anna University, Chennai
105	Smart Car using IoT	Anna University, Chennai
106	Smart Car using IoT	Anna University, Chennai
107	Smart Car using IoT	Anna University, Chennai
108	Smart Car using IoT	Anna University, Chennai
109	Smart Car using IoT	Anna University, Chennai
110	Smart Car using IoT	Anna University, Chennai
111	Smart Car using IoT	Anna University, Chennai
112	Smart Car using IoT	Anna University, Chennai
113	Smart Car using IoT	Anna University, Chennai
114	Smart Car using IoT	Anna University, Chennai
115	Smart Car using IoT	Anna University, Chennai
116	Smart Car using IoT	Anna University, Chennai
117	Smart Car using IoT	Anna University, Chennai
118	Smart Car using IoT	Anna University, Chennai
119	Smart Car using IoT	Anna University, Chennai
120	Smart Car using IoT	Anna University, Chennai
121	Smart Car using IoT	Anna University, Chennai
122	Smart Car using IoT	Anna University, Chennai
123	Smart Car using IoT	Anna University, Chennai
124	Smart Car using IoT	Anna University, Chennai
125	Smart Car using IoT	Anna University, Chennai
126	Smart Car using IoT	Anna University, Chennai
127	Smart Car using IoT	Anna University, Chennai
128	Smart Car using IoT	Anna University, Chennai
129	Smart Car using IoT	Anna University, Chennai
130	Smart Car using IoT	Anna University, Chennai
131	Smart Car using IoT	Anna University, Chennai
132	Smart Car using IoT	Anna University, Chennai
133	Smart Car using IoT	Anna University, Chennai
134	Smart Car using IoT	Anna University, Chennai
135	Smart Car using IoT	Anna University, Chennai
136	Smart Car using IoT	Anna University, Chennai
137	Smart Car using IoT	Anna University, Chennai
138	Smart Car using IoT	Anna University, Chennai
139	Smart Car using IoT	Anna University, Chennai
140	Smart Car using IoT	Anna University, Chennai
141	Smart Car using IoT	Anna University, Chennai
142	Smart Car using IoT	Anna University, Chennai
143	Smart Car using IoT	Anna University, Chennai
144	Smart Car using IoT	Anna University, Chennai
145	Smart Car using IoT	Anna University, Chennai
146	Smart Car using IoT	Anna University, Chennai
147	Smart Car using IoT	Anna University, Chennai
148	Smart Car using IoT	Anna University, Chennai
149	Smart Car using IoT	Anna University, Chennai
150	Smart Car using IoT	Anna University, Chennai
151	Smart Car using IoT	Anna University, Chennai
152	Smart Car using IoT	Anna University, Chennai
153	Smart Car using IoT	Anna University, Chennai
154	Smart Car using IoT	Anna University, Chennai
155	Smart Car using IoT	Anna University, Chennai
156	Smart Car using IoT	Anna University, Chennai
157	Smart Car using IoT	Anna University, Chennai
158	Smart Car using IoT	Anna University, Chennai
159	Smart Car using IoT	Anna University, Chennai
160	Smart Car using IoT	Anna University, Chennai
161	Smart Car using IoT	Anna University, Chennai
162	Smart Car using IoT	Anna University, Chennai
163	Smart Car using IoT	Anna University, Chennai
164	Smart Car using IoT	Anna University, Chennai
165	Smart Car using IoT	Anna University, Chennai
166	Smart Car using IoT	Anna University, Chennai
167	Smart Car using IoT	Anna University, Chennai
168	Smart Car using IoT	Anna University, Chennai
169	Smart Car using IoT	Anna University, Chennai
170	Smart Car using IoT	Anna University, Chennai
171	Smart Car using IoT	Anna University, Chennai
172	Smart Car using IoT	Anna University, Chennai
173	Smart Car using IoT	Anna University, Chennai
174	Smart Car using IoT	Anna University, Chennai
175	Smart Car using IoT	Anna University, Chennai
176	Smart Car using IoT	Anna University, Chennai
177	Smart Car using IoT	Anna University, Chennai
178	Smart Car using IoT	Anna University, Chennai
179	Smart Car using IoT	Anna University, Chennai
180	Smart Car using IoT	Anna University, Chennai
181	Smart Car using IoT	Anna University, Chennai
182	Smart Car using IoT	Anna University, Chennai
183	Smart Car using IoT	Anna University, Chennai
184	Smart Car using IoT	Anna University, Chennai
185	Smart Car using IoT	Anna University, Chennai
186	Smart Car using IoT	Anna University, Chennai
187	Smart Car using IoT	Anna University, Chennai
188	Smart Car using IoT	Anna University, Chennai
189	Smart Car using IoT	Anna University, Chennai
190	Smart Car using IoT	Anna University, Chennai
191	Smart Car using IoT	Anna University, Chennai
192	Smart Car using IoT	Anna University, Chennai
193	Smart Car using IoT	Anna University, Chennai
194	Smart Car using IoT	Anna University, Chennai
195	Smart Car using IoT	Anna University, Chennai
196	Smart Car using IoT	Anna University, Chennai
197	Smart Car using IoT	Anna University, Chennai
198	Smart Car using IoT	Anna University, Chennai
199	Smart Car using IoT	Anna University, Chennai
200	Smart Car using IoT	Anna University, Chennai

Three Batches received a grant of Rs.39,770.87 for the Quarterfinals of “India Innovation Challenge Design Contest 2016” Sponsored by Texas Instruments Inc. in collaboration with Department of Science and Technology (DST), Anchored by IIM Bangalore and supported by MyGov.



1. Deeksha , Indumathi, Jefferson Moses, Nikitha, Mahmootha Afreen of III ECE A received first prize in “RoboFeast 2017 - National Robotics Championship” jointly organized by Cognizance, IIT Roorkee and Revert Technology Pvt.Ltd during 24th -26th March 2017.
2. S.Rajesh , E.Sabarinathan , N.Vaheeswari , R.Vinodhini , G.Vignesh of III ECE B received Third Prize in “RoboFeast 2017 - National Robotics Championship” jointly organized by Cognizance, IIT Roorkee and Revert Technology Pvt.Ltd during 24th -26th March 2017.



Jeffin Shaji, Gowtham A, K.Jubiamir Ibrahim, Muniappan A.V. of Final ECE ‘A’ received a grant of Rs.10,000 from TamilNadu State Council for Science and Technology for the Project titled Smart Car using IoT .



E.Gurunath of III ECE ‘A’ secured first prize with a cash Prize of Rs.9000 for Line Follower, in National Level Techno Cultural Fest, at Kumaruguru College of Technology, Coimbatore.



Two batches of III ECE ‘A’ students are shortlisted for Final Round NIYANTRA – Annual Student Design Contest.

LABORATORY



DIGITAL SIGNAL PROCESSING LABORATORY
LAB AREA: 115 Sq.m
TOTAL COST: RS.35,70,255.75



VLSI DESIGN LABORATORY
LAB AREA: 115 Sq.m
TOTAL COST: RS. 19,31,016.00



COMMUNICATION LABORATORY
LAB AREA: 209 Sq.m
TOTAL COST: RS. 30,15,906.17



IC LABORATORY
LAB AREA: 209 Sq.m
TOTAL COST: RS. 13,190,20.00



TEXAS INSTRUMENTS CENTRE
LAB AREA: 159 Sq.m
TOTAL COST: RS.68,05,490.00












ELECTRONICS & SIMULATION LABORATORY
LAB AREA:141 Sq.m
TOTAL COST: RS. 19,26,290.91

STUDENT TOPPERS IN ACADEMICS




The toppers list in each class for the academic year 2015-2016:

Class	I	II	III	
II A	 R, GEETHA CGPA - 8.11	 NAVEENA R CGPA-7.70	 ARAVIND R CGPA-7.66	 NIDHA SALMA M CGPA - 7.68
II B	 G. SHILPA CGPA - 8.11	 SOWNDARYA B CGPA - 7.78	 SAMYUTHA P CGPA - 7.77	
III A	 ASHLIN SELMA CGPA 8.34	 GOMATHI G CGPA 8.32	 DIMPIL KABADIA K.R CGPA 7.81	
III B	 SHRUTHI S CGPA-8.25	 NIVETHA B CGPA 8.19	 SHINY G DEBORAH S CGPA 8.13	

c

IV A	 ANI.R CGPA 9.07	 ABIRAMI.K CGPA 8.42	 DHANA LAKSHMI R CGPA 8.20
IV B	 PONDEVI S CGPA 8.40	 SUGANYA.S CGPA-8.06	 PAVITHRA B CGPA 8.06
II ME (EST)	 SRINATH V CGPA 7.98	 GOKILA J CGPA 7.77	 UMEGA R CGPA 7.66

UNIVERSITY RANK HOLDERS

S.No.	REGISTER No.	NAME OF THE STUDENT	CGPA	UNIVERSITY RANK	BATCH	PHOTO
1	070107105011	BRINDHA.A	9.37	24	2007-2011	
2	070107105033	NIKHILA CHANDRAN	9.37	24	2007-2011	
3	070107105055	SUMA.K.S	9.14	47	2007-2011	

4	080107105116	YAMUNA DEVI V D	9.09	42	2008-2012	
5	090107105102	SATHEESH KUMAR.S	8.9	45	2009-2013	
6	100107105087	SHARON SARA VARGHESE	9.26	4	2010-2014	
7	100107105108	VARSHINI.S.B	8.74	42	2010-2014	
8	100107105108	VAISHNAVI.V	8.69	47	2010-2014	
9	100107105082	SANJUNA.B	8.66	50	2010-2014	
10	710711106092	SHANTHI.S	8.92	34	2009-2015	
11	7107134331001	ARUNKUMARA	8.81	14	2013-2015	
12.	710714431003	KALAIVANI	8.62	18	2014-2016	

ACHIEVEMENTS /AWARDS

S. No	Name of the Student	Name of the award	Awarding Authority	Name of the contest	Date
1.	E.Gurunath	1 st Prize	Kumaraguru college og Technology, Coimbatore	Line Follower ,KCT Yugam 2017	9 th to 11 th February 2017
2.	Deekshath R	3 rd Prize	Sri Sakthi Institute of Engineering and Technology,Coimbatore	Basket Ball tournament	22 to 24 th February 2017
3.	Praveen J	3 rd Prize	Sri Sakthi Institute of Engineering and Technology,Coimbatore	Basket Ball tournament	22 to 24 th February 2017
4.	Reshman K	3 rd Prize	Sri Sakthi Institute of Engineering and Technology,Coimbatore	Basket Ball tournament	22 to 24 th February 2017
5.	Vignesh Kumar M	4 th Position	Tamilnadu College of Engineering , Coimbatore	TCE T-20 Cricket Trophy 2017	23 rd Feb to 1 st March 2017
6.	Praveen J	4 th Position	Tamilnadu College of Engineering , Coimbatore	TCE T-20 Cricket Trophy 2017	23 rd Feb to 1 st March 2017
7.	Gokul N	4 th Position	Tamilnadu College of Engineering , Coimbatore	TCE T-20 Cricket Trophy 2017	23 rd Feb to 1 st March 2017
8.	H.Mohamed Ibrahim	3 rd Place in Mens Hockey	Department of Physical Education-Coimbatore institute of Technology, Coimbatore	"CIT Alumini Trophy – State Level Inter Engineering Tournaments" 2016-2017	9 to 11 th March 2017
9.	H.Mohamed Ibrahim	4 th Place in 11 th Tech Hockey League for Major Dhayanchand Memorial Trophy	Department of Physical Education PSG College of Technology, Coimbatore	11 th Tech Hockey League for Major Dhayanchand Memorial Trophy	1 st to 5 th March 2017
10.	Nikitha S R MohamoothaAfreen M Jefferson Moses Deeksha S Indhumathi P	1 st Position in Final Round	Revent Technology Pvt. Ltd., Cognizance, IIT Roorkee	"RoboFest-2017 National Level Workshop cum Championship on Quad Copter Development"	24 th March to 26 th March 2017
11.	S.Rajesh E.Sabarinathan N.Vaheeswari R.Vinodhini G.Vignesh	3 rd Position in Final Round	Revent Technology Pvt. Ltd., Cognizance, IIT Roorkee	"RoboFest-2017 National Level Workshop cum Championship on Quad Copter Development"	24 th March to 26 th March 2017
12.	HemavathiYoganathan MohanaPriya S	1 st Prize	Department of ECE, RVS College of Engineering and Technology, Coimbatore	Technical Quiz	24 th March 2017

13.	Abishake E	2 nd Place	Department of ECE - Rohini College of Engineering and Technology, Kaniyakumari, TamilNadu.	Circuit Debugging	24 th March 2017
14.	Jaya Kumar A	3 rd Place	Department of IT - Sri Ramakrishna Engineering College, Coimbatore	Technical Connection	10 th March 2017
15.	Selvakumar J	3 rd Place	Department of CSE- United Institute of Technology, Coimbatore	Trouble Shooting (CPU)	15 th March 2017
16.	Pondevi G Ani R	Best Student Award for the year of 2016	ISTE TN&P Section at 16 th ISTE TN&P Section Annual Convention for Engineering Students held in PSNA College of Engineering and Technology, Dindigul.	ISTE Chapter Best Student Award	4 th March 2017
17.	K.Venkatesan	2 nd Prize	Department of ECE, RVS College of Engineering and Technology, Coimbatore	Circuit Debugging	24 th March 2017
18.	H.Mohamed Ibrahim	3 rd prize	Dr.N.G.P. Institute of Technology	Mono Acting	11 TH FEB 2017
19.	H.Mohamed Ibrahim	1 st prize	PSG College of Technology	Hockey	17 TH MAR 2017
20.	H.Mohamed Ibrahim	Goalie of Coimbatore hockey team 2017	Erode Sports Development Authority of TamilNadu	Hockey	11.3.2017 To 13.3.2017

EVENTS


Association

The ECE Association was inaugurated in October 2009 seeded with the idea of organizing a national level technical symposium which would be the first of its kind in the college. Since its conception in 2009, the ECE Association has played the vital role of being the much needed bridge between the students and industry level research and development.

The Association works with the following objectives:

- All students of the Department of ECE, Dr.NGP IT are given default membership
- To provide for all supportive co-curricular training required by students to enhance their curricular performance and keep them updated with recent trends in industry
- To work towards bridging the distance between the textbook syllabi taught and the practical application in industry
- To groom and nurture the qualities of teamwork, leadership, mutual understanding and co-existence and to provide exposure to public and executive communication.

- To motivate continued inspiration of the students towards core research in the field of Electronics and Communication Engineering

<p>FACULTY INCHARGE</p> <p>Mr.C.Senthilkumar</p> 	<p><u>OFFICE BEARERS:</u></p> <p>SECRETARY : SHARON CHESLENA J - IV ECE-B JOINT SECRETARY : DEEKSHA S – III ECE A TREASURER : KARTHICK B – IV ECE A JOINT TREASURER : YOGESH M – III ECE B</p> <p><u>EXECUTIVE COMMITTEE MEMBERS</u></p> <table> <tr> <td>EFFY MARIA : IV/ECE - A</td> <td>DEEPAK DINAKARAN G : III ECE – A</td> </tr> <tr> <td>ANIRUDHAN.G : IV/ECE - A</td> <td>POOJA.B : III ECE - B</td> </tr> <tr> <td>PON DEVI.G : IV/ECE - B</td> <td>SABARI NATHAN E : III ECE - B</td> </tr> <tr> <td>SARAVANA GANESH.L : IV/ECE - B</td> <td>JITHIN R : II ECE - A</td> </tr> <tr> <td>INDHUMATHI P : III/ECE - A</td> <td>NIDHA SALMA : II ECE - A</td> </tr> <tr> <td>RAGUL : II ECE - B</td> <td>SOWNDARYA : II ECE - B</td> </tr> </table>	EFFY MARIA : IV/ECE - A	DEEPAK DINAKARAN G : III ECE – A	ANIRUDHAN.G : IV/ECE - A	POOJA.B : III ECE - B	PON DEVI.G : IV/ECE - B	SABARI NATHAN E : III ECE - B	SARAVANA GANESH.L : IV/ECE - B	JITHIN R : II ECE - A	INDHUMATHI P : III/ECE - A	NIDHA SALMA : II ECE - A	RAGUL : II ECE - B	SOWNDARYA : II ECE - B
EFFY MARIA : IV/ECE - A	DEEPAK DINAKARAN G : III ECE – A												
ANIRUDHAN.G : IV/ECE - A	POOJA.B : III ECE - B												
PON DEVI.G : IV/ECE - B	SABARI NATHAN E : III ECE - B												
SARAVANA GANESH.L : IV/ECE - B	JITHIN R : II ECE - A												
INDHUMATHI P : III/ECE - A	NIDHA SALMA : II ECE - A												
RAGUL : II ECE - B	SOWNDARYA : II ECE - B												

Association Activities

S.No	Date	Event/Program me	Topic	Chief Guest, Designation
1	24.02.2017	Guest Lecture	Research Issues in Device Fabrication & VLSI	Dr.V.N.MANI, Scientist – E(Additional Director Grade), Centre for Materials for Electronics Technology(C-MET), Department of Electronics & Information Technology, Govt. of India, Cherlapalli, Hyderabad 500 051, INDIA
2	27.02.2017	Guest Lecture	Research Areas in Fundus Images	Dr.Ashish Sharma MS, Innovator and Head, MII RetCam Development Team Fellow Bascom Palmer Eye Institute, Miami, FL, USA (2008-2009) Fellow University of California, Irvine, CA, USA (2006-2008) Ex Consultant LVPEI Hyderabad, India (2009-2010) Consultant Retina and Head Research, Lotus Eye Hospital and Institute, Coimbatore, TN, India
3	04.03.2017	Seminar	Industrial Aspects on Embedded Systems	Mr.B.Namashivaayam Senior Analyst Engineer Caterpillar, Innovation & Technology Development Center Chennai

4	08.03.2017	Guest Lecture	Wireless communications	Dr.S.Sasipriya Professor ECE Department Sri Krishna College of Engineering & Technology Coimbatore.
5	09.03.2017	Guest Lecture	Career Opportunities in ESDM	Mr.Aravind Govindaraj, Divisional Head, UTL Technologies Limited, Bangalore.
6	17.03.2017	Guest Lecture	Research and Development Activities for Engineering Application	Dr.Mahendran Basuvaraj Chief Scientist Canadian Headquarters EnviroWayDtg. Mfg. Saskatchewan,Canada

IETE

The Institution of Electronics and Telecommunication Engineers (IETE) is India's leading recognized professional society devoted to the advancement of Science and Technology of Electronics, Telecommunication & IT. Founded in 1953, it serves more than 60,000 members through various centers, whose number is 65, spread all over India and abroad. The Institution provides leadership in Scientific and Technical areas of direct importance to the national development and economy. Government of India has recognized IETE as a Scientific and Industrial Research Organization (SIRO) and also notified as an educational Institution of national eminence. The objectives of IETE focus on advancing electro-technology. The IETE conducts and sponsors technical meetings, conferences, symposia, and exhibitions all over India, publishes technical journals and provides continuing education as well as career advancement opportunities to its members.

The IETE Students chapter at Dr.N.G.P. Institute of Technology was started during 23rd February 2011. Through IETE, various activities like workshops, seminars, guest lectures, invited talks and competitions are organized periodically. The details of various activities conducted through IETE are given below.

<p>FACULTY INCHARGE</p> <p>Mr. R. Rajkumar</p> 	<p><u>OFFICE BEARERS:</u></p> <p>SECRETARY : MS. ANI R – IV ECE A</p> <p>JOINT SECRETARY : MR. VIGNESH G – III ECE B</p> <p>TREASURER : MR. PRADEESH BABU K – IV ECE B</p> <p>JOINT TREASURER : MS. JAISRI G – III ECE A</p>																								
	<p><u>EXECUTIVE COMMITTEE MEMBERS</u></p> <table style="width: 100%; border: none;"> <tr> <td>AJEETH S</td> <td>: IV ECE A</td> <td>RAJKUMAR I</td> <td>: III ECE A</td> </tr> <tr> <td>KARTHICK B</td> <td>: IV ECE B</td> <td>SRIVIVEKA S</td> <td>: III ECE A</td> </tr> <tr> <td>NIRANJANVEERABAGU P</td> <td>: IV ECE B</td> <td>NIVETHAA E</td> <td>: III ECE B</td> </tr> <tr> <td>SUSHMITHA S</td> <td>: III ECE B</td> <td>ARAVIND R</td> <td>: II ECE A</td> </tr> <tr> <td>INDHU S</td> <td>: II ECE A</td> <td>RAMESH M</td> <td>: II ECE B</td> </tr> <tr> <td>KAVIN KUMAR S</td> <td>: II ECE A</td> <td>PREETHI I</td> <td>: II ECE B</td> </tr> </table>	AJEETH S	: IV ECE A	RAJKUMAR I	: III ECE A	KARTHICK B	: IV ECE B	SRIVIVEKA S	: III ECE A	NIRANJANVEERABAGU P	: IV ECE B	NIVETHAA E	: III ECE B	SUSHMITHA S	: III ECE B	ARAVIND R	: II ECE A	INDHU S	: II ECE A	RAMESH M	: II ECE B	KAVIN KUMAR S	: II ECE A	PREETHI I	: II ECE B
AJEETH S	: IV ECE A	RAJKUMAR I	: III ECE A																						
KARTHICK B	: IV ECE B	SRIVIVEKA S	: III ECE A																						
NIRANJANVEERABAGU P	: IV ECE B	NIVETHAA E	: III ECE B																						
SUSHMITHA S	: III ECE B	ARAVIND R	: II ECE A																						
INDHU S	: II ECE A	RAMESH M	: II ECE B																						
KAVIN KUMAR S	: II ECE A	PREETHI I	: II ECE B																						

IETE Activities

S. No	Name of the program	Date	Resource Person & Designation	Venue
1	Workshop on Quad Copter Development Cum Championship-ROBOFEST-2017	24.02.2017 to 25.02.2017	Mr.N.Sundaresan, Senior Research Engineer, Revert Technology Pvt Ltd, New Delhi	Dr.N.G.P IT
2	Recent Trends in Wireless Technologies	15.02.2017	Mr.T.Senthil Junior Telecom Officer, Bharat Sanchar Nigam Limited (BSNL), Coimbatore	Dr.N.G.P IT
3	New Developments and Thrust Areas in Multidisciplinary Engineering Research	10.03.2017	Dr. J. Sivaraman National Post Doctoral Fellow Department of Biomedical Engineering Indian Institute of Technology- Hyderabad, Telangana Ms.S.Sathiya Senior Research Fellow Department of Instrumentation and Control Engineering National Institute of Technology, Tiruchirappalli Mr.N.S.Suresh Senior Research Fellow Department of Electrical and Electronics Engineering National Institute of Technology, Tiruchirappalli Ms.R.Sree Ranjani Research Associate Department of Electronics & Communication Engineering, Amrita School of Engineering, Coimbatore	Dr.N.G.P IT

RESEARCH

Research Expertise Available

S.No.	FACULTY NAME	FACULTY IN WHICH Ph.D. AWARDED	RESEARCH AREA	UNIVERSITY
1.	Dr. S. Sureshkumar	Electrical Engineering	Power Electronics & Drives, Embedded Systems, Signal & Image Processing, Renewable Energy Technologies	Bharathiar University
2.	Dr. K. Gayathri Devi	Information and Communication Engineering	Image Processing, Medical Image Processing	Anna University
3.	Dr.K.Muthulakshmi	Information and Communication Engineering	Image Processing, Medical Image Processing	Anna University
4.	Dr. M. A. Raja	Information and Communication Engineering	Digital Signal Processing	Anna University
5.	Dr. B. Arunadevi	Information and Communication Engineering	Pattern Recognition, Artificial Neural Networks, Soft Computing, Robotics, Medical Image Processing	Anna University
6.	Dr. M. Dhivya	Electrical Engineering	Wireless Sensor Networks, Soft Computing, Embedded Systems	Anna University

Faculty pursuing Ph.D

S.NO	FACULTY NAME	DEGREE	UNIVERSITY / INSTITUTE	YEAR OF ENROLLMENT	STATUS
1.	Ms. M. ThillaiRani	Ph.D	Anna University, Chennai	2012	Pursuing
2.	Mr. K. P. SaiPradeep	Ph.D	Anna University, Chennai	2012	Pursuing
3.	Mr. C. Senthilkumar	Ph.D	Anna University, Chennai	2011	Pursuing
4.	Ms. M. Fahmitha Banu	Ph.D	Anna University, Chennai	2016	Pursuing
5.	Mr. R. Rajkumar	Ph.D	Anna University, Chennai	2011	Pursuing
6.	Mr. S. Shanmuga Raju	Ph.D	Anna University, Chennai	2017	Pursuing
7.	Mrs. S. Nithya Devi	Ph.D	Anna University, Chennai	2015	Pursuing
8.	Mr. U. Vinothkumar	Ph.D	Anna University, Chennai	2017	Pursuing
9.	Mrs. P. Divya	Ph.D	Anna University, Chennai	2017	Pursuing

Ph.D. DEGREE AWARDED

S.NO	Name of the Faculty	Date	Title of the thesis
1.	Mrs. K. Muthulakshmi	20.05.2017	Systematically minimizing the impact of mobility in MANETS.

Research Facilities Available

Name of the Lab	Equipments with Quantity	
VLSI LAB	1. Xilinx System Edition Version 13.4(logic Edition, Edk, System Generator)	25 user license
	2. Xilinx Spartan 3E FPGA trainer kit (VSK Spartan 3E),500 k gate density	5 kits
	3. Xilinx Spartan 3E FPGA trainer kit (VPTE - 10)	10 kits
DSP LAB	1. DSP Starter Kit (DSK) FIXED POINT DSP	5 kits,
	2. DSP Processor Kit TMS320VC 5416(DSK)	10 kits
	3. MATLAB 2012 B Version	25 users
COMMUNICATION LAB	1. Software Defined Radio Platform for Link Simulation Studies	10 Software License 1 Hardware Unit
EMBEDDED SYSTEMS LAB	1. ORCAD Simulation Suite	10 users
	2. 8051 Microcontroller Development Kit	5 kits
	3. ARM Microcontroller Development Kit (2148)	5 kits
	4. PIC Microcontroller Development Kit 18FX(8 bit)	5 kits
	5. ARM Microcontroller Development Kit	5 kits
	6. Embedded DSP Based System Designing	6 kits
	(a) Analog DSP Tool Kit	6 kits
	(b) Code Compressor Studio For Embedded DSP Using Texas Tool Kit	10 kits
	7. ARM Development Board Stellaris LM3S8962	6 kits
	8. Embedded Trainer Kits with ARM Board	10 Kits
	9. Embedded Trainer Kits(Suitable for Wireless Communication)	10 Kits
TI LAB	10. Adequate Hardware, Software & Consumables	1
	11. ALTYERA FPGA CYCLONE IIEP2C5T144 Development Board	1 Kit
	1. Analog Starter Kit :20 Kits , Steps Experimenter Board	20 Kits
	2. MSP430 Launch Pad : 75 Kits , MSP5529 Experimenter Board	4 Kits
	3. C2000 Piccolo Launch Pad :40 KITS, Steps Experimenter Board	20 kits
	4. C2000 Peripheral Explorer Kit - TMDSPREX28335,	4 kits
	5. Steps Experimenter Board	20 Kits
	6. Anvyl Board	1 Kit
	7. Zed Board Zynq-7000 Development Board	1 kit
	8. Mentor Graphics Hep-1 & Hep-2 (3 Yr License)	40 User License
9. Atlys Spartan 6 FPGA Development Kit	5 Kits	
10. Virtex 5- Genesys -Digilent	1 Kit	

11. Nexys 3- Spartan 6 FPGA Board- Digilent	10 Kits
12. Analog System lab Starter Kit ASLK	18 Kits
13. TIVA Launch Pad EK-TM4C123GXL	15 Kits
14. SENSE HUB BOOSTER PACK	5 Kits
15. MSP 430G2 Launch Pad MSP-EXP430G2	12 Kits
16. CC110L BOOSTERPACK	6 Kits

Research Workshops Conducted

S.No	Date	Event/ Programme	Topic	Chief Guest, Designation
1	24.02.2017	Guest Lecture	Research Issues in Device Fabrication & VLSI	Dr.V.N.MANI, Scientist – E(Additional Director Grade), Centre for Materials for Electronics Technology(C- MET), Department of Electronics & Information Technology, Govt. of India, Cherlapalli, Hyderabad 500 051, INDIA
2	27.02.2017	Guest Lecture	Research Areas in Fundus Images	Dr.Ashish Sharma MS, Innovator and Head, MII RetCam Development Team Fellow Bascom Palmer Eye Institute, Miami, FL, USA (2008-2009) Fellow University of California, Irvine, CA, USA (2006-2008) Ex Consultant LVPEI Hyderabad, India (2009-2010) Consultant Retina and Head Research, Lotus Eye Hospital and Institute, Coimbatore, TN, India
3	04.03.2017	Seminar	Industrial Aspects on Embedded Systems	Mr.B.Namashivaayam Senior Analyst Engineer Caterpillar, Innovation & Technology Development Center Chennai
6	17.03.2017	Guest Lecture	Research and Development Activities for Engineering Application	Dr.Mahendran Basuvaraj Chief Scientist Canadian Headquarters EnviroWayDtg. Mfg. Saskatchewan,Canada
7	10.03.2017	Seminar	New Developments and Thrust Areas in Multidisciplinary Engineering Research	Dr. J. Sivaraman National Post Doctoral Fellow Department of Biomedical Engineering Indian Institute of Technology- Hyderabad, Telangana Ms.S.Sathiya Senior Research Fellow Department of Instrumentation and Control Engineering National Institute of Technology, Tiruchirappalli

				<p>Mr.N.S.Suresh Senior Research Fellow Department of Electrical and Electronics Engineering National Institute of Technology, Tiruchirappalli</p> <p>Ms.R.Sree Ranjani Research Associate Department of Electronics & Communication Engineering, Amrita School of Engineering, Coimbatore</p>
--	--	--	--	--

Journal Publications

S. No	Author Name	Title of the Paper	Publisher	Name of the Journal	Vol., Issue, Page No	Month/Year
1.	Dr.S.SureshKumar	Investigation of Broken bar and eccentricity problem in asynchronous machines using PDT & MCSA Technique	University "POLITEHNICA" Timisoara	Journal of Electrical Engineering	Vol.16, Issue:4, pp: 422-427	December 2016
2.	Dr.M.A.Raja Mr.C.Senthilkumar Dr.B.ArunaDevi Ms.P.Divya	A Region-based Approach on segmentation of Medical Image Compression.	IJPPAS	International Journal of Printing, Packaging and Allied Sciences	Vol 4, Issue 4, pp:2915-2921	December 2016
3.	Dr.S.SureshKumar	Eccentricity Problem in Asynchronous Machines	University "POLITEHNICA" Timisoara	Journal of Electrical Engineering	Vol.17, No.1, pp.no.265-269	March 2017
4.	Dr.K.Gayathri Devi	Segmentation of Colon and Removal of Opacified Fluid for Virtual Colonoscopy	Springer	Pattern Analysis and Applications	DOI 10.1007/s10044-017-0641-y PP no:1-15	March 2017
5.	Dr.K.Gayathri Devi Dr.M.Dhivya	Review of Current Strategies in Waste Management System	Kalpna Corporation	Indian Journal of Environmental Protection	Vol.37, No.5, pp.428-437	May 2017
6.	Ms.S.Nithya Devi	High-speed and Low-Power Carry Skip adder using HAN-CARLSON ADDER	Bonfay	Journal of Recent Research in Engineering and Technology	Vol 4, Issue 6, pp:01-08	June 2017

Conference Publications

S.No	Name of the staff & Designation	Title of the paper/ presentation	Conference Title	Month & year
1.	Dr.S.SureshKumar	Wind Farm Power Prediction Based on Wind Speed and Power Curve Models	Intelligent and Efficient Electrical Systems, PSG College of Technology	January 2017
2.	Mrs.A.Brindha Ms.V.SangeethaPoorani	A Study of Nano Technology Based Wireless Sensor Networks	Advanced Functional Materials and Their Applications in Engineering-(NCAFMAE 2017)	January 2017
3.	Dr.M.A.Raja	LabVIEW Based Blind Path Navigation System Using GPS- A Novel Application	46th ISTE Annual National Convention and National Conference 2017, Gulzar Group of Institutes, Ludhiana, Punjab	February 2017
4.	Dr.M.A.Raja, Dr.B.ArunaDevi	Nanoscience and Nanotechnologies: Review of Emerging Intelligent Technology variations in Health, Energy and Water	46th ISTE Annual National Convention and National Conference 2017, Gulzar Group of Institutes, Ludhiana, Punjab	February 2017
5.	Dr.M.A.Raja	Design and Implementation of Livestock Barn Monitoring System	IEEE International Conference on Innovations in Green Energy & Healthcare Technology Dr.N.G.P. Institute of Technology, Coimbatore	March 2017
6.	Dr.M.A.Raja	Smart Specs: Voice Assisted Text Reading system for Visually Impaired Persons Using TTS Method	IEEE International Conference on Innovations in Green Energy & Healthcare Technology Dr.N.G.P. Institute of Technology, Coimbatore	March 2017
7.	Dr.B.Aruna Devi	Design and Implementation of Unmanned Ground Vehicle for Surveillance and Bomb Detection Using Haptic Arm Technology	IEEE International Conference on Innovations in Green Energy & Healthcare Technology Dr.N.G.P. Institute of Technology, Coimbatore	March 2017
8.	Ms.V.Priyadarshini	Breast Cancer Classification Using Combined Neural Network and Support Vector Machine	IEEE International Conference on Innovations in Green Energy & Healthcare Technology Dr.N.G.P. Institute of Technology, Coimbatore	March 2017
9.	Ms.V.Prasanna Devi	Energy and Memory Management Dynamic Cluster using WSN	IEEE International Conference on Innovations in Green Energy & Healthcare Technology Dr.N.G.P. Institute of Technology, Coimbatore	March 2017

10.	Ms.S.NithyaDevi	High speed and Low power carry Skip Adder operated on Wide Range of Supply voltage Levels	National Conference on Emerging Trends in Computer Communications and Informatics. TamilNadu College of engineering, Coimbatore	March 2017
11.	Ms.S.Nithya Devi Dr.K.Muthulakshmi Ms.N.Archana	Efficient Carry Skip Adder Operated on Wide Range of Supply-Voltage Levels for High Speed and Low Power Applications	IEEE International Conference on Innovations in Green Energy & Healthcare Technology Dr.N.G.P. Institute of Technology, Coimbatore	March 2017
12.	Ms.P.Divya	Computerized Diagnosis of Parkinson's Disease	IEEE International Conference on Innovations in Green Energy & Healthcare Technology Dr.N.G.P. Institute of Technology, Coimbatore	March 2017
13.	Ms.P.Divya Dr.B.Aruna Devi	Implementation of Face Recognition Structure Using GSM for an Automobile Security System	IEEE International Conference on Innovations in Green Energy & Healthcare Technology Dr.N.G.P. Institute of Technology, Coimbatore	March 2017
14.	Ms.N.Archana	Holography and its Applications	IEEE National Conference on Communication, Networking, Technology Interventions in Human Resource Development Jansons Institute of Technology , Coimbatore	March 2017
15.	Ms.C.S.Manju Ms.S.Kalaivani Ms.N.Poovizhi	A Novel Low Power Pulse Triggered Flip-Flop Design Using Pass Transistor Logic	IEEE International Conference on Innovations in Green Energy & Healthcare Technology Dr.N.G.P. Institute of Technology, Coimbatore	March 2017
16.	Ms.Preethi	Energy Efficient Resource Allocation and equal power on multi rat primary licensed and unlicensed	National Conference on Recent advancement and effectual research in Electrical Engineering	March 2017
17.	Ms.C.S.Manju	FPGA implementation of Compressor Based efficient Wallace tree Multiplier	National Conference on Recent advancement and effectual research in Electrical Engineering	March 2017

PLACEMENTS

S.NO	COMPANY NAME	COMPANY LOGOS	NO.OF STUDENTS PLACE	NAME OF THE STUDENT
1	GUIRES HEALTH CARE PVT, LTD., CHENNAI		5	KEERTHANA P NANDHINI K T PONDEVI G SIVAMATHI N SOWMIYA P
2	AMAZON		8	KEERTHI S NAVEEN KUMAR H PAVITHRA B PRANATH S SIVASANKARI M SUSHMITHA K SUSHMITHA K THARACHAND K
3	ZEALOUS SERVICES, CHENNAI		7	KRITHIKA V NANDHINI A K PRAVEEN KUMAR K PRIYANTHI A SHARMILA S VENKATASAMY V VISHNU C
4	MOBIUS KNOWLEDGE SERVICES, CHENNAI		2	KRITHIKA V MANIKANDAN M
5	POPULAR SYSTEMS, COIMBATORE		5	LOGAPRIYA S LOKESH VBILAN S P MANOJ SANKAR S NANDHINI K T RENUGA P
6	TECH MAHINDRA		4	NAVEENA M SHARON CHESLENA J SUKANYA S VIGNESH S
7	TECH MAHINDRA, CHENNAI		10	MADUSRI T RUBA T NAVIN G K SANGEETHA S NAVIN G K SNEHA G SRIHARI D SUSHMITHA K SUSHMITHA S GOKUL

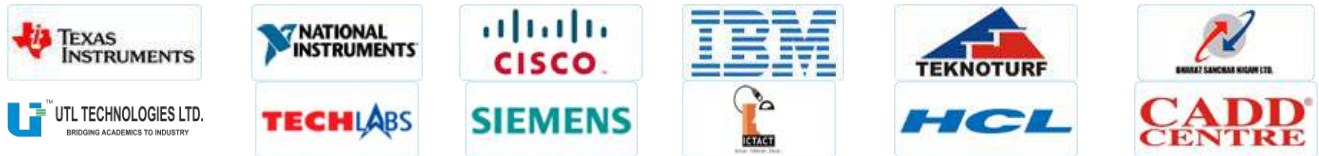
8	KR POWER SUPPORTS, COIMBATORE		2	MANIKANDAN M NAVEEN KUMAR H
9	MAINTEC TECHNOLOGIES PVT.LTD., CHENNAI		7	MUNIAPPAN A V NAVEEN KUMAR H PONDEVI G SINDHU S SIVAMATHI N SUSHMITHA K THANVEER AHAMED T M
10	KOTAK LIFE INSURANCE, COIMBATORE		2	.P GOKULA KRISHNAN SAKKARAVARTHY.V
11	TNQ, PVT, LTD., CHENNAI		11	NIRANJANVEERABAGU P PAVITHRA B PRADEEPA S PRANATH S PRIYANKA D SANGEETHA N SAVITHA N SHEEBA A SIVASANGARI M SIVASANGARI M THARACHAND K
12	QUADRA SYSTEMS.NET INDIA PVT. LTD., COIMBATORE		1	NIRANJANVEERABAGU P
13	NICHELANDS TECHNOLOGIES PVT. LTD., BANGALORE		1	PONDEVI G
14	AXIS GLOBAL AUTOMATION GROUP OF COMPANIES, CHENNAI		10	PRADEESH BABU K K.RAMASAMY RUBA T SANGEETHA S L.SARAVANA GANESH SHIDDHARTH BABU P G SUSHMITHA K UDAYA S

15	AGNITIO SYSTEMS, COIMBATORE		2	P.PUVITHA SANGEETHA P
16	SHLOK INFORMATION SYSTEMS INDIA PRIVATE LIMITED (SHLOKLABS), COIMBATORE		1	SANGEETHKUMAR M
17	ZILOGIC SYSTEMS PVT LTD., CHENNAI		1	SHEEBA A
18	KR POWER SUPPORTS, COIMBATORE		2	SHIDDHARTH BABU P G VIGNESHKUMAR M
19	OSCKI LABS, COIMBATORE		1	VISHNU C
20	SCULPTECLAT TECH SOLUTIONS PVT LTD, COIMBATORE		1	SURYA SAGARIGA P K
21	JEGAN RESEARCH ASSOCIATES PVT. LTD. (JRA), CHENNAI		1	UDAYA S

Eminent Recruiters



MoU and Industry Partnerships



From
Dr.N.G.P. INSTITUTE OF TECHNOLOGY
 Kalapatti Road,Coimbatore-641 048
 Phone: 0422 -2369105, 2629362 |0422 -2369128
 Fax: 0422-2369106
 E-mail: info@drngpit.ac.in | hod_ece@drngpit.ac.in