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BHARAT INSTITUTE OF ENGINEERING AND TECHNOLOGY

IBRAHIMPATNAM, HYDERABAD, TELANGANA-501510

# newsletter

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ISSUE:1, VOLUME: 1, YEAR: 2014-15 (ANNUAL RELEASE)

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## VISSION

SERVING THE HIGH QUALITY EDUCATIONAL NEEDS OF LOCAL AND RURAL STUDENTS WITHIN THE CORE AREAS OF COMPUTER SCIENCE AND ENGINEERING AND INFORMATION TECHNOLOGY THROUGH A RIGOROUS CURRICULUM OF THEORY, RESEARCH AND COLLABORATION WITH OTHER DISCIPLINES THAT IS DISTINGUISHED BY ITS IMPACT ON ACADEMIA, INDUSTRY AND SOCIETY.

## MISSION

THE MISSION OF THE DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING IS TO WORK CLOSELY WITH INDUSTRY AND RESEARCH ORGANIZATIONS TO PROVIDE HIGH QUALITY COMPUTER EDUCATION IN BOTH THE THEORETICAL AND APPLICATIONS OF ELECTRONICS AND COMMUNICATION ENGINEERING. THE DEPARTMENT ENCOURAGES ORIGINAL THINKING, FOSTERS RESEARCH AND DEVELOPMENT, EVOLVE INNOVATIVE APPLICATIONS OF TECHNOLOGY.

## CHAIRMAN'S MESSAGE

BIET HAS ALWAYS TAKEN PRIDE IN IMPARTING HOLISTIC EDUCATION TO ITS STUDENTS . THE SOLE PURPOSE IS TO CREATE A VIBRANT KNOWLEDGE ORIENTED ENVIROMENT WITH INNOVATIVE TEASHING PRACTICES AND TO INCULCATE A TRADITION OF SOCIALLY CONSCIOUS APPLICATION OF TECHNOLOGY , INDICATING OUR DREAM OF REACHING FOR THE BEYOND



**AGRASAR BHARAT**  
*Department of Electronics & Communication Engineering*



WE ARE WHAT OUR THOUGHTS HAVE MADE US; SO TAKE CARE ABOUT WHAT YOU THINK. WORDS ARE SECONDARY. THOUGHTS LIVE; THEY TRAVEL FAR.

SWAMI VIVEKANANDA

## ABOUT THE DEPARTMENT

THE B.TECH PROGRAM IN ELECTRONICS & COMMUNICATION ENGINEERING (ECE) WAS STARTED IN THE YEAR 2001 WITH AN INTAKE OF 60, ENHANCED TO 120 IN 2009, 120 TO 180 IN 2013 AND 180 TO 240 IN 2014 AND 240 IN 2015. THE MAIN FOCUS OF THE DEPARTMENT IS TO PRODUCE GRADUATES & POST GRADUATES WITH STRONG FUNDAMENTALS IN ELECTRONICS & COMMUNICATION ENGINEERING DOMAIN. ELECTRONICS & COMMUNICATION ENGINEERING PROGRAMME IS DESIGNED TO CREATE GLOBALLY COMPETENT MANPOWER FOR THE ELECTRONICS AND COMMUNICATIONS INDUSTRY. THE COURSE IS AN OUTCOME BASED STRUCTURE TO HELP STUDENTS TO ACHIEVE THIS GOAL. THE COURSE WAS ACCREDITED BY NATIONAL BOARD OF ACCREDITATION (NBA) SINCE 2007.

THE DEPARTMENT COMPRISES WELL QUALIFIED FACULTIES. BIET ALSO OFFERS TWO YEAR FULL TIME POST GRADUATE PROGRAMME APPROVED BY ALL INDIA COUNCIL OF TECHNICAL EDUCATION (AICTE).

- M.TECH (EMBEDDED SYSTEMS)
- M.TECH (VLSI TECHNOLOGIES)
- M.TECH (WIRELESS MOBILE COMMUNICATIONS)

## EMINENT PROFESSORS AT THE DEPARTMENT

### PROF. G. KUMARASWAMY RAO :

HE SERVED DRDO FOR 36 YEARS IN VARIOUS CAPACITIES AS SCIENTIST AND RETIRED AS DIRECTOR & OUTSTANDING SCIENTIST OF DEFENCE ELECTRONICS RESEARCH LAB (DLRL) AN EW LAB UNDER DRDO.

PRESENTLY HE IS WORKING AS PROFESSOR & DIRECTOR (R&D) AT BIET, IBRAHIMPATNAM.

HE OBTAINED ME FROM OSMANIA UNIVERSITY IN 1968 WITH 1ST RANK AND STUDIED RADAR COURSE AT HOLLAND IN 1985. HE UNDERWENT MANAGEMENT COURSE AT IIM BANGALORE AND SATELLITE COMMUNICATION COURSE AT IIT KHARAGPUR.

HE GAVE NUMBER OF PRESENTATIONS ON EW AT INSTITUTE OF ENGINEERS, IEEE CONFERENCES, EWCI, AND INDUSTRY, AND PRESENTED NUMBER OF PAPERS (MORE THAN 40) IN VARIOUS CONFERENCES.

HE IS A MEMBER OF IDST, IEEE, AOC, FELLOW IETE ETC.



### DR. R. SREEHARI RAO :

HE IS PRE-EMINENT SCIENTIST WITH A PH.D FROM IIT, MADRAS .HE PREVIOUSLY SERVED AS THE DIRECTOR OF DLRL, AND AS THE VICE CHANCELLOR AND CHANCELLOR OF KL UNIVERSITY. HE HAS CARRIED OUT INDIGENOUS DEVELOPMENT OF EW SYSTEMS, LASER SYSTEMS, COMMAND AND CONTROL SYSTEMS, ELECTRO OPTICS THERMAL IMAGING AND NIGHT FIGHTING SYSTEMS. HE HAS PUBLISHED EXTENSIVELY, AND HIS RESEARCH INTERESTS RANGE FROM INFORMATION WARFARE TO RF AND SIGNAL PROCESSING, FROM WIRELESS COMMUNICATION TECHNOLOGY TO SPACE BASED



## SEMINARS/CONFERENCES/WORKSHOPS/FDP CONDUCTED

A One Day Workshop on “BIG DATA ANALYSIS USING HADOOP TECHNOLOGY” on 12 August, 2014 by Dr. P. Arun Kumar, JNTUH, Hyderabad.



**JNTUH Hyderabad conducted One Day Faculty Orientation Program on eLSDM for Faculty of various Engineering Colleges on 21st August, 2014 at BIET**

JNTUH Hyderabad conducted One Day Faculty Orientation Program on "e-Learning Solutions and Two-Way HD Delivery Mechanism for Teachers & Students (eLSDM)" for Faculty of various Engineering Colleges on 21st August, 2014 at BIET



A One Day Workshop on “IBM BLUEMIX DAY @ BIET” on 25 September, 2014 by Mr. Yuktesh Chintamadaka, IT - Specialist, IBM, Hyderabad, conducted by CSE / ECE Departments, Bharat Institute of Engineering & Technology.



**National Conference on Fast Emerging Trends in Engineering and Technology (NCOFEET-2K15), March 25th - 26th, 2015**

A Two Day National Conference on Fast Emerging Trends in Engineering and Technology (NCOFEET-2K15), March 25-26, 2015, organized by All departments under CSI Chapter, Bharat Institute of Engineering and Technology, Ibrahimpatnam, Hyderabad.



## R&D ACTIVITIES

### Publication Details:

Academic Year: 2014 - 2015

S.No	Name of Author	Title of the paper ,Journal/Conference name, Date of publishing
1	G.Kumaraswamy Rao	G.Kumaraswamy Rao et al, "New Emerging Trends In ES Systems For Accurate Relocation Of Radar Emitters", Proceedings Of Third International Conference On Electronic Warfare EWCI 2014, PP 192-197.
2	G.Kumaraswamy Rao	G.Kumaraswamy Rao & Dr.Kaluri Ranga Rao et al, "EA Performance Evaluation Of A Short Range Surface To Air Missile Weapon Platform Using A LPI Radar Operating In A Dense Jamming Environment", Proceedings of Third International Conference on Electronic Warfare EWCI 2014, PP 421-428.
3	G.Kumaraswamy Rao	G.Kumaraswamy Rao & Dr.R.Sreehari Rao et al, "Intelligent Electronic Counter Measure Solution To Defeat Remotely Controlled Improvised Devices (RCIEDS)", of Third International Conference on Electronic Warfare EWCI 2014, PP 537-545.
4	G.Kumaraswamy Rao	G.Kumaraswamy Rao & Dr.Kaluri Ranga Rao et al, "Regenerative Transponders On Commercial Communication Satellites Improves Security & Safety Of Data From External Interference", on 28 March 2014 during Two Day All India Seminar on 'Recent Developments in Electronics and Communication Engineering' under the aegis of The Institution of Engineers (India) A.P. Centre, Published in Proc. of Institute of Engineers on Two Day All India Seminar PP 13-20.
5	I.Ravikumar, N.Bala Saraswathi et al	I.Ravikumar, N.Bala Saraswathi et al, "Broadband Reconfigurable Optical Add-Drop MUX Using Opto-VLSI Processor", International Journal of Engineering Research & Management (IJERM), pp.46-48, Vol. 1, Issue. 9, December 2014; ISSN: 2349- 2058.
6	Satish kumar et al	Satish kumar et al, "Efficient Detection Ordering Scheme For Of Mimo Transmission With Efficient Power Control", APRIL-2014 International Journal Of Emerging Trends In Technology And Sciences (ISSN: 2348-0246(online)), VOLUME-2, ISSUE-2
7	Satish kumar et al	Satish kumar et al, "Robustness Of MIMO-OFDM Schemes For Future Digital Tv To Carrier Frequency Offset", June-2014 International Journal Of Emerging Trends In Technology And Sciences 6(ISSN: 2348-0246(online)), Volume-02, Issue-04.
8	Satish kumar et al	Satish Kumar et al, "OFDM Systems: ICI Self Cancellation For Optimized Data Allocation", January-2014 International Journal Of Emerging Trends In Technology And Sciences (Issn: 2348-

		0246(Online)), Volume-1, Issue-1.
9	Satish kumar et al	Satish Kumar et al, "Low Bit-Rate Image Compression Using CADU Compression", January-2014 International Journal Of Emerging Trends In Technology And Sciences (ISSN: 2348-0246(online)), Volume-1, Issue-1.
10	Chandika Mohan Babu et al	Chandika Mohan Babu et al, "Effective Interference Cancellation Technique With Orderings In Rayleigh Fading Channel For MIMO Systems", ISSN 0973-4562 IJAER ,Volume 9, Number 24 (2014) pp. 2598.
11	Suresh Nalla et al	Suresh Nalla et al, "Automatic Image Enhancement Based On Modified Multi Scale Retinex", IJECT,2014.
12	Suresh Nalla et al	Suresh Nalla et al, "Multi-Wavelet Based On Non-Visible Water Marking", International Journal of Computer Science and Mobile Computing,2014.
13	N Rajkumar et al	N Rajkumar et al, "Simulation Based Channel Coding For High Speed", IJEAT ISSN: 23480246 Vol.2, No.3, MAY 2014.
14	R.Gopi Reddy et al	R.Gopi Reddy et al, "Design & Implement An Ip Core For Fast Addition Using Quaternary Signed Digit Number System", International Journal for Scientific Research and Development 2.8 (2014): 222-227 Vol.2/Issue8 2014.
15	S. Guru Bharath et al	S. Guru Bharath et al, "Complete K-Line Coverage And Connectivity In Wireless Sensor Networks", In Proc. of IEEE International Advance Computing Conference,2014.
16	S. Guru Bharath et al	S. Guru Bharath et al, "Minimizing Mobile Sensors Movement For Complete Line Coverage In WSN", In Proc. of SARC-ITR International Conference, SARC-ITR International Conference ISBN: 978-93-84209-14-8 2014.

## ROLL OF HONOUR

Batch: 2011-2015

S. No.	Roll Number	Student Name	Gendre	% of marks	Rank
1	11E11A0484	Chakkula Prashanth	M	84.67	First Class with Distinction
2	11E11A0423	Potharaju Preethi	F	83.52	First Class with Distinction
3	11E11A0492	S D Saismaran Reddy	M	81.73	First Class with Distinction
4	11E11A0449	Adudodda Sunil Reddy	M	80.65	First Class with Distinction

5	11E11A0481	Phanindra Sagar Noora	M	80.6	First Class with Distinction
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## CAMPUS ACTIVITIES

Students from all of the BIET Campus are always getting involved in activities outside of college life, through volunteering within the local and wider community. There are also regular field trips and study visits that are organized as part of the learning experience, allowing students to see the activities and industries that they might one day work in.

### Annual Day 2K15

A One Day Annual Day 16-17 April, 2015, organized by All departments, Bharat Institute of Engineering and Technology, Ibrahimpatnam, Hyderabad.



## TRAINING AND PLACEMENT ACTIVITIES

### OBJECTIVES:

- To train the students to meet the expectations of the industry through our **Campus Recruitment Training (CRT) program**.
- To provide exposure to the students about the happenings with various Industries through our **Institute- Industry Collaboration**. This is to make them understand the dynamic industrial environment and to keep them updated technically.
- To provide excellent placement support to our students by inviting eminent recruiters to our Institution recruit them through our **Campus Recruitment Program**.

### CRT ACTIVITIES

SNO	PROGRAM/SESSION	NAME OF THE COMPANY/TRAINER/ORG	TARGET STUDENTS & NO	TOPIC/VISIT/FEEDBACK
1	AMCAT Test	AMCAT	All Branches IV B.Tech Students	Employability Test
2	IN-House Training	TASK		Microsoft MTA DBF
3	Pre Placement Seminar	Tech Mahindra	CSE,ECE	Employability Skills & Career Options

<b>Placement Details</b>			
<b>S. No.</b>	<b>Roll Number</b>	<b>Student Name</b>	<b>Branch</b>
<b>TCS</b>			
1	11E11A0484	Chakkula Prashanat	ECE
2	11E11A0401	Yalla Adithya Reddy	ECE
3	11E11A0451	Jella Umesh Chandra	ECE
4	11E11A0481	Phanindra Sagar Noora	ECE
<b>FONY TECHNOLOGIES</b>			
5	11E11A04A2	K. Srujana	ECE
<b>MPHASIS</b>			
6	11E11A0484	CH. Prashanth	ECE
7	11E11A04A2	TS. Venkata Srikanth	ECE
<b>Capgemini</b>			
8	11E11A0484	Chakkula Prashanat	ECE
9	11E11A0422	Prathima Paudel	ECE
10	11E11A0491	Cheripally Sairam Naik	ECE
11	11E11A0467	Ashutosh Patil	ECE
12	11E11A0485	Chandolu Prathyusha Rani	ECE
<b>IBM</b>			
13	11E11A0442	Sreenidhi Reddy kommuri	ECE
14	11E11A0467	Ashutosh Patil	ECE
15	11PU1A0492	A. Soumya	ECE
<b>GENPACT</b>			
16	11E11A0415	A S Maria Jaseentha	ECE
17	11E11A0442	Sreenidhi Reddy kommuri	ECE
18	11E11A0467	Ashutosh Patil	ECE
19	11E11A0422	Prathima Paudel	ECE
20	11E11A0421	Mavoori Prajyoth	ECE
21	11PU1A0477	Priyanka	ECE
22	11PU1A0478	Priyanka.K. M.	ECE
<b>OSMOSYS</b>			
23	11E11A0481	Phanindra Sagar	ECE



<b>CSC</b>			
24	11E11A0407	Buchi Reddy Lelgonda	ECE
25	11E11A0484	Prashanth Chakkula	ECE
26	11E11A0467	Ashutosh Patil	ECE
27	11PU1A0485	Reshma Mohammed	ECE
<b>INFOSYS</b>			
28	11E11A0449	Sunil Reddy Adudodda	ECE
29	11E11A0468	Ashwini Chalkapurkar	ECE
30	11E11A0402	Akshay Modani	ECE
31	11E11A0422	Prathima Paudel	ECE
<b>EMINOSOFT</b>			
32	11PU1A418	M. Mounika	ECE
<b>UBE INDUSTRIES LTD.</b>			
33	11PU1A0458	A R Aparna	ECE
34	11PU1A0478	Priyanka Magnet	ECE
35	11PU1A0479	K Radha Sai Swetha	ECE
<b>MILLENIUM GROUP OF COMPANIES</b>			
36	11E11A0406	K. Archana	ECE
37	11E11A0408	J. Deepika Reddy	ECE
38	11E11A0417	K. Navya	ECE
39	11E11A0423	P. Preethi	ECE
40	11E11A0425	G. P. Sai Kiran	ECE
41	11E11A0446	G. Srujana Reddy	ECE
42	11E11A0461	Abhishek Palavanha	ECE
43	11E11A0478	Pothuganti Mamatha	ECE
44	11E11A0490	V. Rakesh Kumar Reddy	ECE
45	11E11A04B9	B.Mounika	ECE
46	11PU1A0412	P. Mamatha	ECE
47	11PU1A0424	PASN Jayanthika	ECE
48	11PU1A0430	R, Nandini	ECE
49	11PU1A0439	K. sneha	ECE
50	11PU1A0447	Swapna Gurramguda	ECE
51	11PU1A0450	N. Swetha	ECE

52	11PU1A0452	Varsha yada	ECE
53	11PU1A0466	Kirthi N.	ECE
54	11PU1A0467	Madhu sree.K	ECE
55	11PU1A0471	Nikhila.C	ECE
56	11PU1A0478	Priyanka K.M.	ECE
57	11PU1A0479	Swetha K.	ECE
58	11PU1A0481	N. Ramya	ECE
59	11PU1A0491	Soumya K.S	ECE
60	11PU1A0492	Soumya.A	ECE
61	11PU1A0495	B.Sripriya	ECE
62	11PU1A04A1	K. Sanju	ECE
63	11PU1A0422	A.Navya Reddy	ECE
64	11PU1A0411	Madhuri poloju	ECE
<b>CONGUENT</b>			
65	11E11A0481	N Phanidra Sagar	ECE
66	11E11A0452	V. Upendra	ECE
<b>COM LABS</b>			
67	11PU1A0478	K.M. Priyanka	ECE
68	11E11A04B9	Bulusu Mounika	ECE
<b>TECH MAHINDRA</b>			
69	11E11A0442	K. Sreenidhi Reddy	ECE

## CAMPUS ACTIVITIES

### STUDENT CLUB ACTIVITES



**Club Activity Images**

## Sports Participation & Achievements by the B.I.E.T Students:

The Bharat Institute of Engineering and Technology is going to conduct FIVE EVENTS – JNTU-H INTER COLLEGIATE ZONE 'C' Tournament in the Month of April – 2017.

### FIVE EVENTS:

01. VOLLEY BALL (Boys & Girls)
02. BASKET BALL (Boys & Girls)
03. THROW BALL (Girls)
04. TABLE TENNIS (Boys & Girls)
05. SHUTTLE (Boys & Girls)

### **Sports Facilities in the Campus:-**

01. Full Pledged Cricket Ground
02. Foot Ball Ground
03. Athletics
04. Hand Ball
05. Basket Ball
06. ThrowBall

## INDEPENDENCE DAY CELEBRATIONS

BIET celebrated 69th Independence Day celebrations on 15th August, 2014.



## REPUBLIC DAY CELEBRATIONS

BIET celebrated 66th Republic Day celebrations on 26th January, 2015.



BIET HELPING HANDS CLUB Conducted "SWACHHA BHARATH" at BIET Campus on 15.08.2015 in view of Independence Day Celebrations. All the staff members and the students participated in the event.



## MOTIVATION TO SUCCEED

“The world is the great gymnasium where we come to make ourselves strong”.

“You have to grow from the inside out. None can teach you, none can make you spiritual. There is no other teacher but your own soul”.

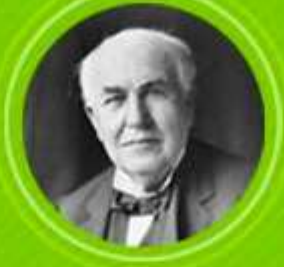
“Stand up, be bold, be strong, take the whole responsibility on your shoulders, and know that you are the creator of your own destiny”.

- Swami Vivekananda.



“  
Sometimes  
when you innovate,  
you make Mistakes.  
It is best to admit  
them Quickly and  
get on with Improving  
your other Innovations

Steve Jobs



“  
Our greatest  
weakness lies in  
Giving up.  
The most certain  
way to succeed  
is always to try  
just one more time

Thomas A. Edison