



THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

Board of Research, Innovations & Standards (BoRIS)



OBJECTIVES

- Policy regarding establishment of Research & Development Centers, creation of Research seats.
- Liaison with the Ministries, Govt. Departments and Industrial Houses for establishments of Research seats and creation of Research Corpus.
- To act as think tank of IETE to look into the future for generation of innovative ideas with a view to achieve increased visibility of IETE and new initiatives for partnership with Industry, Academia and Government.
- Participation in formation of Standards for Electronics and Telecommunications Equipment and Services. Selection of Ph.D Research Scholars for undertaking Research and M.Tech Projects for the award of Fellowship. Publication of Research projects and papers.
- Close Interaction with SDICC.

BOARD MEMBERS (Please click to read the profile of Members)

(i)	Prof (Wg Cdr) P Prabhakar (Retd)	Chairman
(ii)	Dr D C Pande	Co-Chairman
(iii)	Prof (Dr) Nilesh N Kasat	Member
(iv)	Prof (Col) S L Kapoor (Retd)	Member
(v)	Dr P K Singhal	Member
(vi)	Dr Jyotsna Kumar Mandal	Member
(vii)	Shri ParagWalinjkar	Member
(viii)	Dr R D Kharadar	Member
(ix)	Prof (Dr) Udhav V Bhosle	Member
(x)	Dr M H Kori	Special Invitee
(xi)	Dr Niranjana Prasad	Special Invitee
(xii)	Prof (Dr) Ashwani Kunte	Special Invitee

(xiii)	Col A K Bhanot (Retd)	Special Invitee
(xiv)	Dr. Ajay Agarwal	Special Invitee
(xv)	Dr. Shreenivas Jog	Special Invitee
(xvi)	Dr Gabbula Laxminarayana	Special Invitee
(xvii)	Col (Dr) Vipin Panday (Retd)	Special Invitee
(xviii)	Prof (Dr) Shatrughan Prashad Yadav	Special Invitee

MoUs WITH BUREAU OF INDIAN STANDARDS (BIS)

IETE has been actively involved in the BIS electronic division. Following members are attending and participating in the ongoing various activities of the various committees:

- LITDC** – **Electronics and Information Technology Division Council**
 Prof (Wg Cdr) P Prabhakar (Retd), pprabs06@yahoo.co.in, 9814851377
 S/By - Dr D C Pande, pande_dc@hotmail.com, 9449048858
- LITD 2** – **Reliability of Electronics and Electrical Components & Equipment**
 Dr P K Singhal, pks_65@yahoo.com, 9425341555
 S/By - Col A K Bhanot (Retd), bhanotashok@hotmail.com, 910990047
- LITD 7** – **Audio, Video & Multimedia Systems & Equipment**
 Shri Parag Walinjkar, parag.walinjkar@gmail.com, 9869236082
 S/By – Dr Harish Mahendru, harish.mahendru@gmail.com, 8860020897
- LITD 14** – **Software and System Engineering**
 Prof (Col) S L Kapoor (Retd), sl_kapoor@yahoo.co.in, 9312072348
 S/By – Prof (Dr) Nilesh N Kasat, nileshkasat27@gmail.com, 9766309111
- LITD 16** – **Identification & Data Capture Techniques, Cards and Security Devices**
 Prof (Wg Cdr) P Prabhakar (Retd), pprabs06@yahoo.co.in, 9814851377,
 S/By – Dr. Jyotsna Kumar Mandal, jkm.cse@gmail.com, 9434352214
- LITD 19** – **E-Learning**
 Dr. Jyotsna Kumar Mandal, jkm.cse@gmail.com, 9434352214 and
 Dr R D Kharadar, r.kharadkar@raisoni.net, 9657724102
- LITD 27** – **Internet of Things**
 Dr. M H Kori, mhkori@gmail.com, 9342593876
 S/By - Prof (Wg Cdr) P Prabhakar (Retd), pprabs06@yahoo.co.in, 9814851377

INNOVATIONS (Please click to read the report on Innovation Meets)

1st IETE Innovation - Industry Meet –27 Aug 2016

2nd IETE Innovation - Industry Meet – 29 Aug 2017

3rd IETE Innovation - Industry Meet – 01 Sep 2018

4th IETE Innovation - Industry Meet – 22 Oct 2019

5th IETE Innovation - Industry Meet – Proposed on 27 & 28 Aug 2021

RESEARCH GROUPS

Aims and Objectives of Research Groups:

- To identify specific research areas in the respective domains and prepare research and policy papers.
- To propagate the information by conducting webinars and skill development programs.
- To setup IETE standards on the pattern of IEEE.
- To identify funding agencies and seek the research grants.
- To align present fellowships with identified domains, explore collaborative efforts with industry, government research agencies, academia, national / international, support and consult for Incubation Center and startups.
- To collaborate with DRDO, CSIR Laboratories, DST, AICTE and BIS.

Following Research Groups have been established.

- (i) Space Technologies – Lead by Dr. S Pal, Past President IETE
- (ii) 6G Communication Technology – Lead by Dr. M H Kori
- (iii) Information Systems Security – Lead by Dr. Jyotsana Mondal
- (iv) Emerging Microwave Technologies – Lead by Dr. Niranjana Prasad
- (v) Electronics Hardware – Lead by Dr. Ajay Agarwal
- (vi) Data Analytics – Lead by Col (Dr) Bipin Pandey
- (vii) AI/ML – Dr N Venkateswara
- (viii) IoT – Dr S P Yadav

Following Research Groups are also in the process of establishment

- (i) Cloud Computing
- (ii) Augmented/Virtual Reality
- (iii) Block Chain

RESEARCH SPONSORED

Ph.D Sponsored Research Completed

S. No.	Name	Year of Completion	Topic	Guide
1	Sh Nagendra Prasad Pathak	2006	Micro Radar Engineering: Milimeter-Wave Integrated circuits using Non-Radioactive Dielectric Wave-guide Technology for Radar Applications	Prof Shibam Koul, IIT Delhi
2	Sh. M R Raghavendra	2007	Emerging Wireless Technologies: Channel Estimation and Signal Processing for MIMO-OFDM and MC-CDMA Wireless Communication System	Dr K Giridhar, IIT Madras
3	Ms Preeti Sharma	2007	Studies on Micromachined Structures for RF Application	Prof ShibamKoul, IIT Delhi
4	Sh Manoj Singh Parihar	2009	Novel Reconfigurable Printed Antennas	Prof ShibamKoul, IIT Delhi
5	Sh BabuSena Paul	2009	Statistical Characterization of Mobile and Relay Based Wireless Communication Channels	Dr Ratnajit Bhattacharjee, IIT Guwahati
6	Sh Himanshu Katiyar	2011	Performance of Cooperative Relay Network in Fading Channel	Dr Ratnajit Bhattacharjee, IIT Guwahati
7	Ms Dharmitha D Vishwakarma	2011	Design & Simulation of Neural Network Based power Control Optimization Strategies for embedded controller Architecture to support wireless Networking	Prof Satish K Shah, M S University, Vadodara
8	Sh Bijoy Chand Chatterjee	2014	Optical Networks	Dr. Nityananda Sarma, Tezpur University
9	Ms. Sahukara Krishna Veni	2015	Array Antenna Design for EMI/EMC Control	Prof GSN Raju, AU College of Engg, Visakhapatnam
10	Mr Mrinmoy	2017	Investigation of Graphene based antennas for Next-Generation	Prof Ratnajit Bhattacharjee,

	Bhardwaj		Communication Networks	IIT Guwahati
11	Mr. Prashant Upadhyaya	2018	Bimodal Hindi Speech Recogniton under Adverse Environment	Prof. Omar Farooq of AMU, Aligarh

Ph.D Sponsored Research in Progress

S. No.	Name	Topic	Guide
1	Ms Priyanka Pateria	Linear Scalable Dispersion Codes for Precoding and Decoding in Massive MIMO System	Dr Rakesh Singhai and Dr. Piyush Shukla, UIT-RGPV, Bhopal
2	Mr. Mohammad Ameen	Millimeter-Wave MIMO Cognitive Radio Antenna System for 5G Mobile Applications	Dr Raghvendra Kumar Chaudhary, Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand

[Policy for Award of Ph.D Research fellowship](#)

COLLABORATIVE RESEARCH

PROJECTS SPONSORED

M.Tech Sponsored Projects Completed

S. No.	Name	Duration	College
1	Mr Khemendra Kumar Gangwar	2018-20	Ganga Institute of Technology and Management, Jhajjar
2	Ms Aparna Kumari	2017-19	USICT, Dwarka, New Delhi
3	Shri. Uday Shankar Dikshit	2017-19	Technocrats Institute of Technology, RGPV Bhopal
4	Ms. Neethu Manohar	2015-16	Sarabhai Inst. of Science & Tech., Cochin University of Science & Technology

5	Mr. Avinash Patel	2015-16	JIIT, Noida
6	Sh Lal Vikram Singh	2013-15	Pondicherry University
7	Sh Rohit Singh	2013-15	Galgotias University
8	Sh Amardip Shah	2015-16	Tezpur University
9	Sh. Vikas Jatwar	2012-14	SRM University
10	Sh Dinesh Sharma	2012-14	World Inst. of Technology
11	Sh. Madhurja Pran Borgohain	2012-13	Guwahati University
12	Sh Vikas Upadhyay	2011-13	J K Inst. of Applied Physics & Tech.
13	Sh Mrutyunjaya Panda	2011-13	National Inst. of Science & Tech.

M.Tech Sponsored Projects in Progress

S. No.	Name	Duration	College
1	Mr Ayush Saini	2019-20	USICT, GGSIPU, Delhi
2	Mr. Suresh P	2019-20	Al-Ameen Engineering College, Shoranur-2, Palakkad

[Policy for Award of M.Tech Project Scholarship](#)

[Contacts for Research Center](#)

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