ADVISORY COMMITTEE

PROF. (DR.) M. ABDUL RAHMAN
PRO-VICE CHANCELLOR, APJ ABDUL KALAM UNIVERSITY

PROF. PRAHLAD VADAKKEPAT, NATIONAL UNIVERSITY OF SINGAPORE
PROF. VINOD A PRASAD, NANYANG TECHNOLOGICAL UNIVERSITY
PROF. SHESHA H JAYARAM, WATERLOO UNIVERSITY , CANADA
PROF. ABHINAV GUPTA, NORTH CAROLINA STATE UNIVERSITY
PROF. MURTHY GUDDATI, PROFESSOR, NORTH CAROLINA STATE UNIVERSITY
PROF. ALEX ALBERT, NORTH CAROLINA STATE UNIVERSITY
PROF. JOEL J. P. C. RODRIGUES, UNIVERSITY OF BEIRA INTERIOR
PROF. JINSONG WU, UNIVERSIDAD DE CHILE, SANTIAGO, CHILE
PROF. STEFANO BERRETTI, UNIVERSITY OF FIRENZE, ITALY
PROF MOHAMMED ATIQUZZAMAN, UNIVERSITY OF OKLAHOMA.
PROF. BISWA NATH DATTA ,NORTHERN ILLINOIS UNIVERSITY DE KALB ILLINOIS, USA
PROF. HARIKISHAN NARAYANAN, ABB LIMITED, DHAKA
DR. JOY THOMAS M, IISC BANGALORE
DR. LAXMIDHAR BEHERA, INDIAN INSTITUTE OF TECHNOLOGY, KANPUR
DR. S. SHRIHARI, PROFESSOR, CED, NIT SURATHKAL
DR. KIRAN KUMAR SHETTY M, PROFESSOR, MANIPAL INSTITUTE OF TECHNOLOGY
PROF. RAKESH KICHOULIYA, RESEARCH CENTRE IMARAT, HYDERABAD
DR. ABRAHAM T MATHEW, PROFESSOR, EED, NIT, CALICUT
DR. LILLYKUTTY JACOB, PROFESSOR, ECED, NIT, CALICUT
DR. R. SRIDHARAN, MED, NIT CALICUT
DR. S. ASHOK, PROFESSOR ,EED , NIT CALICUT
DR. A.P. SASHIKALA, PROFESSOR ,CED NIT CALICUT
DR. N. GANESHAN, PROFESSOR, CED,NIT CALICUT
DR. K. MUTHUKKUMARAN, PROFESSOR, CED, N I T TIRUCHIRAPALLI
DR RAJASREE M S, PRINCIPAL, GEC BARTON HILL
DR. NANDAKUMAR, PROFESSOR, EED , GEC TRICHUR
DR. T.D. JOHN, PROFESSOR, MED, GCE KANNUR
DR SABU M THAMPI, PROFESSOR, CSED, IIITM-K
DR. JAYAPRAKASH P, PROFESSOR, EED, GCE , KANNUR
DR. M. SUDHEEP ELAYIDOM, PROFESSOR, CSED, CUSAT
DR. PRINCE ASHOK, PROFESSOR, EED, RIT KOTTAYAM
DR. PRADEEP KAMMATH, MED, GEC TRICHUR

INSTITUTE LEVEL ADVISORY COMMITTEE

DR. PRAVEEN KUMAR KODOTH   DEAN, UG ACADEMICS
DR. VINODU GEORGE   DEAN, UG STUDENT AFFAIRS
PROF. VISALAKSHI V HOD EEE
PROF. JOWHAR MUBARAK   HOD ME
PROF. SANTO MATHEW   HOD ECE
PROF. ANVER S R   HOD CSE
PROF. MERLIN R   HOD CE
PROF. VINEESHKUMAR K V   HOD AS

ORGANISING COMMITTEE

CHIEF CONFERENCE PATRON
DR. SHAJI SENADHIPAN, DIRECTOR
LBS CENTRE FOR SCIENCE AND TECHNOLOGY THIRUVANANTHAPURAM

CONFERENCE PATRON
DR. MOHAMMED SHEKOOR T
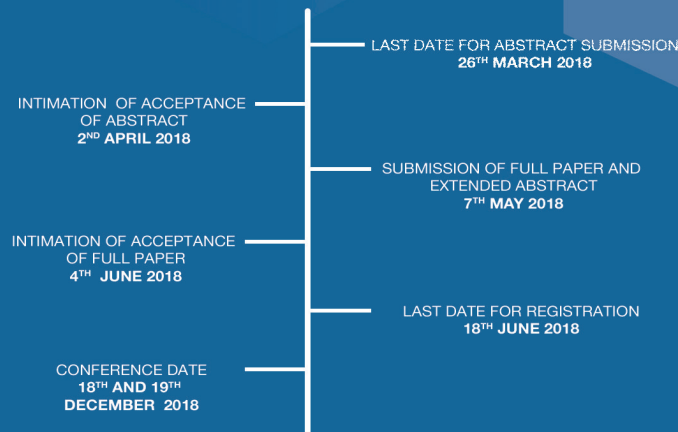PRINCIPAL, LBS COLLEGE OF ENGINEERING, KASARAGOD
CONVENOR
DR. ABOOBACKER KADENGAL, PG DEAN
CO- CONVENOR
MR. SARITH DIVAKAR M, ASSISTANT PROFESSOR, CSED

CO-ORDINATION COMMITTEE

DR. VINODU GEORGE PROF.CSE
PROF. VINOD O M APME
PROF. JOSHUA P Y HOD PH.EDN
PROF. PRAMOD P APECE
PROF. MAHESH P V APME
PROF. MARY REENA KE ASSO. PROF. ECE
PROF. AFTAB A KARIM ASSO.PROF, ME
PROF. SWARAJ KUMAR B APME
MR. BINU K MANI FGI,ME
DR. ARATHI T APECE
PROF. SAMBHU D APECE
PROF. SHEEBA K ASSO.PROF ECE
PROF. ANVER S R ASSO. PROF. CSE
PROF. NISHANTH AUGUSTINE APECE
PROF. BABY SINDHU APEEE
PROF. RAJASHREE RAGHAVAN ASSO.PROF.EEE
PROF. KRISHNAPRASAD APCSE
MRS. MANJU V FGI,EEE
PROF. MUJEEB RAHMAN APEEE

IMPORTANT DATES

INTIMATION OF ACCEPTANCE OF ABSTRACT
2ND APRIL 2018

INTIMATION OF ACCEPTANCE OF FULL PAPER
4TH JUNE 2018

CONFERENCE DATE
18TH AND 19TH
DECEMBER 2018

LAST DATE FOR ABSTRACT SUBMISSION
26TH MARCH 2018

SUBMISSION OF FULL PAPER AND EXTENDED ABSTRACT
7TH MAY 2018

LAST DATE FOR REGISTRATION
18TH JUNE 2018

REGISTRATION FEE DETAILS

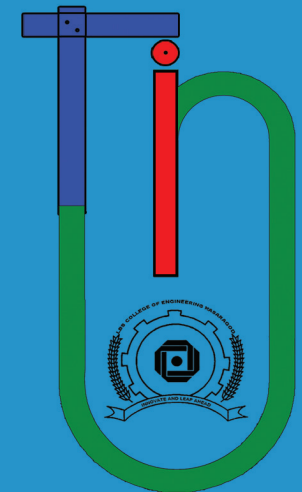|	
■ **DELEGATES FROM INDUSTRY**	₹ 4000 / $60
■ **DELEGATES FROM ACADEMIC INSTITUTIONS**	₹ 2500 / $40
■ **STUDENT DELEGATE/RESEARCH SCHOLAR DELEGATE**	₹ 1500 / $25

ADDRESS FOR COMMUNICATION

iCORETech.2018, LBS College of Engineering
Povval, Muliyar P.O, Kasaragod, Kerala 671542
Ph. 04994250290, Fax. 04994250400, Mob. 9946760222
e-mail : icoretech2018@gmail.com
For more details Log on to www.icoretech2018.in

LBS COLLEGE OF ENGINEERING KASARAGOD

INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN ENGINEERING AND TECHNOLOGY

iCORETech.2018

18-19 DECEMBER 2018

SILVER JUBILEE YEAR 2017-2018

www.lbscek.ac.in

About the college

The Lal Bahadur Shasthri (LBS) College of Engineering, Kasaragod was established in the year 1993 under the auspices of LBS Centre for Science and Technology, a Government of Kerala undertaking. The college is the first of its kind institution in Kerala, a self–financing engineering college in Government sector. The college offers six undergraduate programs and four postgraduate programs in engineering, and affiliated to KTU. Also, the college is an approved Research Centre for Ph. D program of KTU. The well–equipped laboratories and infrastructure facilities built in 52 acres of serene land during the establishment of the college were modernized through the Technical Education Quality Improvement Program (TEQIP–Phase1). The College campus is located 12km away from Kasaragod city and 14km away from Kasaragod railway station. The nearest airport is Mangalore, about 72 km away from the College.

About the Host city

Kasaragod is situated at the extreme northern tip of Kerala over looking Arabian sea. Kasaragod is known as the land of Gods, beaches, rivers, hills and forts. NH 66 passes through this district and covers major towns. From north it leads to Managalore and south it leads to Kannur districts. Nearest Airports are Mangalore 60km and Calicut 200km. Rich in history, Kasaragod is home to the largest and best preserved fort in the State of Kerala – the Bekal fort. Kasaragod offers a variety of patterns of arts which speaks volumes about the rich cultural heritage of the regions. Kasaragod is a land of temples, mosques and churches. It is also a land of different languages. Tulu, Kannada, Malayalam, Konkani, Tamil and other local languages are popular. Though the people speak different languages there is no barrier on the cultural unity. Mosques, Temples and Churches stand side by side as symbols of communal cohesion.

About the Conference

National Conference on Recent Advancements in Engineering and Technology [nCORETech] is organized every year from 2013 and every fifth year it is international conference. First international conference (International Conference on Recent Advancements in Engineering and Technology [iCORETech]) is scheduled on December 2018. The objective of iCORETech is to bring together the academicians, scientists, researchers and engineers from institutions and industries to a common platform to interact and share their knowledge and experience. The conference will also provide a very good exposure to recent advancements in technologies. The keynote lectures scheduled in the conference, to be delivered by reputed personalities from industries, R&D organizations and academic institutions, will help in motivating the participants for starting and strengthening research activities in new frontiers of Science and Technology.

Call for papers

The original research papers on recent advances in science, engineering and technology are invited to be presented in the conference. The prescribed guidelines for submitting the abstract and camera ready full length paper are to be followed.

Abstract submission guidelines.

- Abstracts (Maximum 1000 words) highlighting the scope, methodology and main conclusions of the paper.
- Font should be Times New Roman 12 point.
- Single spacing and Single Column
- A brief biography maximum upto 6 lines about the author, contact details, designation, organization, address, telephone and e–mail address.
- Abstracts in PDF format can be Submitted through easy chair account by logging to
  https://easychair.org/conferences/?conf=icoretech2018

For guidelines, templates, clarifications if any please visit conference website *www.icoretech2018.in*

Paper submission guidelines:

Upon the acceptance of the abstract, candidates will be intimated to submit their registration form along with the camera ready paper as per the guidelines.
Detailed guidelines as per the journal format will be intimated to selected participants. The papers will be accepted subjected to peer review and the changes should be incorporated as per the feedback.

Areas to be covered

Section A – Mechanical Engineering

CAD, CAM, CAE, FEM, FMS, Refrigeration and Air- Conditioning Systems, Renewable Energy Sources, IC engines and Automobiles, Mechatronics and Robotics, Nano Technology, Maintenance Engineering, Alternative Fuels, Cryogenics, Industrial Engineering, Sustainable Engineering, Heat Transfer and combustion, CFD.

Section B- Electrical Engineering

Energy Security, Application of green technology, Renewable Energy Systems, Energy Conservation and Management, Power Systems Analysis, FACTS and HVDC, AI applications to power systems, Relaying and Protection, Analysis and Design of Electrical Machines, Electric Vehicle, Power Electronic Converters and Drives, Power Quality, Active Filters and VAR Compensation Schemes, Non Linear Systems and Control, Robust and Optimised Control, Optimal Control, Intelligent and AI based control, Fault Tolerant Control.

Section C – Electronics and Communication Engg.

Microwave/ Optical Interactions, Microwave Photonics, Bio Medical Applications, Smart Antennas, Phased Arrays, T/R Modules, Multi – Beam Scanning, Active Integrated Antennas, Cognitive and Software – defined Radios, Modeling and Simulation of Electronic Devices, Analog and Mixed Signal Circuit Design, Emerging Trends in VLSI, Nano electronics, MEMS, VLSI circuit and Systems, Field – Programmable and Reconfigurable Systems, System Level Design, Mixed Signal Design and Analysis, CMOS and VLSI design, Signal Processing techniques, Application of Neural Networks, Advanced Communication Systems and Applications, Computer Vision and Image Processing, Intelligent Sensors and Systems, Intelligent Control Systems, Wireless sensors and Nodes, Image Processing, Voice Recognition and Speech Synthesis, Machine Learning

Section D – Civil Engineering/ Architecture

Smart Material and Smart / Green Structures, Bio-Concrete, Geo- Environmental Engineering, Soft Computing Technique in Water Resources Engineering, Earthquake Resistant Structures RCC and Steel, GIS and GPS applications in Civil Engineering, Project and Construction Management, Disaster management, Automation in Construction Industry, Environmental Pollution and Control, Intelligent Transport Systems, Finite Element Method.

Section E – Computer Science and Information Technology

Network Security and Cryptography, Cloud Computing and Security, Ad-Hoc, Mobile Computing, Pattern/ Image Recognition, DBMS Tand Information Retrieval, Neural Networks, Data Warehousing and Data Mining, Web Technologies, Theory of Parallel Processing and Distributed computing, 3G/4G Network evolution,Software Engineering, Multimedia, Cyber Crime, Embedded Systems, Cluster Computing, Data Communication, Telecommunication, Networks, Speech, Image and Signal Processing, Protocols and Standards, Personal Communications, Algorithms, Architecture, Pervasive Computing, Machine learning, Evolutionary Computation, Fuzzy logic.

Section F – Applied Science

Mathematics: Mathematical modeling, Functional analysis and application, Wavelet analysis, Fuzzy logic and control, Differential equation and its engineering applications, Coding and cryptography, Ergodic theory, Chaos and fractals, Game theory, Graph theory and combinatorics, Applications of topology. Nano structured materials and nanotechnology, Non-equilibrium processing of materials, Quasi crystals, Superconductivity & Magnetism, Nano sensors, Nonlinear optics, Solar cell fabrication and synthesis, Quantum electronic properties, Supramolecular Chemistry, Nano science, Photochemistry, Surface science. Electrochemistry, Molecular recognition, Chemical sensors, Biosensors, Green chemistry and engineering metrics,