



Moodlakatte Institute of Technology

(A Unit of Moodlakatte Nagarathna Bhujanga Shetty Trust (R.))

(Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)

Moodlakatte – 576 217, Kundapura Taluk, Udupi District, Karnataka

Date: 27.03.2021

Topic	:	Research FDP on emerging trends in Electronics and Communication Engineering
Organized On	:	22nd – 26rd March 2021
Resource Person	:	From Academia and Industry
Participants	:	Faculty of MIT Kundapura, No. of Faculty – 25

PREAMBLE

We, the esteemed faculty and administration of Moodlakatte Institute of Technology, Kundapura take immense pride in organizing a transformative Five-day Faculty Development Program (FDP) with the aim of fostering excellence in education and research within our esteemed institution. With a shared vision to elevate the standards of pedagogy and research, this program is designed to empower our faculty members with the latest tools, techniques, and insights.

This FDP, held from 22nd to 26th March 2023 seeks to create a dynamic platform for intellectual exchange and professional development. It provides a good environment for faculty to enhance their teaching methodologies, imbibe innovative techniques, and leverage technology effectively in the education process.

We believe that empowering our faculty through continuous learning and professional development is pivotal in nurturing a generation of skilled and visionary engineers. By the end of this program, we envision our faculty to be equipped with the necessary knowledge and skills to foster a vibrant academic atmosphere that prepares our students to excel in the rapidly evolving engineering landscape.

BRIEF PROFILE OF THE CHIEF GUEST

Dr. Abdul Kareem, Dean R & D was the resource Person for Day 1. He is an academician and a researcher having more than 18 years of Teaching Experience Higher Education Engineering Institutes and more than 5 years of research experience in Inter-disciplinary fields of Engineering. He has to his credit 27 research publications and three of his projects have been

patented. He has 5 years of administrative experience heading various departments and coordinating various conferences, seminars and workshops in the field of Technology in general and Electronics in particular. He has published more than 25 research papers in International Journals/ Conferences. He has the experience of delivering technical talks in more than 15 workshops/ conferences. He has the experience of training many faculty members and students in Technical programmes and Soft skill development programmes.

Dr U C Niranjana, Chairman & MD Manipal Dot Net was the resource Person for Day 2. U. C. Niranjana, is a PhD in Biomedical Engineering from the Indian Institute of Science. He is currently member of the Technical Staff at Manipal Dot Net Pvt. Ltd. He also holds positions of adjunct faculty in the BME and ECE Departments at Manipal Institute of Technology, Manipal.

Dr Tanweer Ali, Assistant Professor, Department of ECE, MIT Manipal was the resource Person for Day 3. Tanweer Ali is working as Associate Professor in the Department of Electronics & Communication Engineering at Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal. He is an active researcher in the field of microstrip antennas, wireless communication and microwave Imaging. He has been listed in Top 2% scientist across the globe consecutively for the year 2020, 2021 and 2022. He has published more than 165 papers in reputed peer reviewed international journal and conferences.

Dr T Laxminidhi, Professor & Head, Department of ECE, NITK Surathkal is the resource person for the day 4. He completed his Ph.D from Indian Institute of Technology Madras, 2008; M.Tech. from Karnataka Regional Engineering College (Mangalore University), 1998 and B.E: Nitte Mahalinga Adyanthaya Memorial Institute of Technology (Mangalore University), 1996. His area of research is Analog & Mixed Signal VLSI Circuits and Power Management Circuits. He has completed many R&D and Consultancy projects in various domains of ECE. He Published many papers in international and national Journals.

Dr K Shivaprakasha Professor, Department of ECE, NMAMIT Nitte is the resource person for the day 4. Dr. K. S. Shivaprakasha received his B.E. (Electronics & Communication) degree from Bahubali College of Engineering, Visvesvaraya Technological University, Karnataka with IX rank in the university and M.Tech. (Digital Electronics and Communication Systems) degree from Malnad College of Engineering, Visvesvaraya Technological University, Karnataka with I rank with Gold Medal in the university in 2004 and 2007, respectively. He completed his Ph.D. from National Institute of Technology Karnataka (NITK), Surathkal, Karnataka, in the field of Wireless Sensor Networks in 2015. Currently, he is an Associate Professor in the Department of Electronics and Communication Engineering, N. M. A. M. Institute of Technology, Nitte,

Karnataka. His areas of research interest include Wireless Sensor Networks, Mobile Adhoc Networks, Information Coding Theory and Cryptography. He has published more than 20 papers in reputed international/national journals and conferences and has co-authored a book on "Information Theory and Coding".

REPORT

DAY 1:

Introduction of Resource person:

Dr. Abdul Kareem working as Dean R&D in MIT kundapura, awarded his Ph. D in Electronics and Communication Engineering from St. Peter's Institute of Higher Education and Research Deemed University, Chennai, India in 2014. He has more than 15 years of teaching experience. As an academician, he have been privileged to share his knowledge and expertise with aspiring minds.

Dr. Abdul Kareem, a renowned authority in the realm of education, delivered a captivating presentation on the topic "NEP 2020 and Quality Education." The session began with a warm welcome and introduction to the resource person, setting the tone for an engaging and enlightening experience.

Key Highlights of the Session:

Introduction to ECE: Dr. Abdul Kareem commenced the session by providing a comprehensive overview of the Electronics Domain, elucidating its salient features and highlighting the paradigm shift it aims to bring in the education system.

The resource person emphasized the significance of ECE in shaping the future of our nation. He discussed the importance of ECE in day-to-day life especially in consumer electronics. He also stressed the need for electronics and communication especially in other fields.

Q&A Session: The session concluded with an interactive question and answer segment, allowing the faculty members to seek clarification and delve deeper into the discussed topics. Professor Akshata Nayak from ECE dept hosted the event.

DAY 2:

Introduction of Resource person:

U. C. Niranjana, is a PhD in Biomedical Engineering from the Indian Institute of Science. He is currently member of the Technical Staff at Manipal Dot Net Pvt. Ltd. He also holds positions of adjunct faculty in the BME and ECE Departments at Manipal Institute of Technology, Manipal.

Dr U C Niranjana discussed about various aspects of Electronics & Communication Engineering related to biomedical signals and instrumentation. He stressed the need for medical devices and aides which involves Electronics & Communication. He also stressed the need for healthcare devices that involve medical devices.

Participants actively engaged in discussions about the potential challenges of related to healthcare and ways to overcome them. Dr. U C Niranjan encouraged faculty members to pursue research in healthcare. Professor Akshatha from ECE dept hosted the event.

Day 3:

Introduction of Resource person:

Tanweer Ali is working as Associate Professor in the Department of Electronics & Communication Engineering at Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal. He is an active researcher in the field of microstrip antennas, wireless communication and microwave Imaging. He has been listed in Top 2% scientist across the globe consecutively for the year 2020, 2021 and 2022. He has published more than 165 papers in reputed peer reviewed international journal and conferences.

He stressed the importance of antennas for communication. He also stressed the varieties of antennas and their types. He discussed the need for antennas in different other domains of Electronics & Communication Engineering.

Day 4:

Introduction of Resource person: Dr T Laxminidhi completed his Ph.D from Indian Institute of Technology Madras, 2008; M.Tech. from Karnataka Regional Engineering College (Mangalore University), 1998 and B.E: Nitte Mahalinga Adyanthaya Memorial Institute of Technology (Mangalore University),1996. His area of research is Analog & Mixed Signal VLSI Circuits and Power Management Circuits. He has completed many R&D and Consultancy projects in various domains of ECE. He Published many papers in international and national Journals.

He described the importance of VLSI and Mixed mode circuits for Electronics & Communication. He explained about the evolution of transistors and integration of transistors into the silicon chips.

Day 5:

Dr K Shivaprakasha Professor, Department of ECE, NMAMIT Nitte is the resource person for the day 4. Dr. K. S. Shivaprakasha received his B.E. (Electronics & Communication) degree from Bahubali College of Engineering, Visvesvaraya Technological University, Karnataka with IX rank in the university and M.Tech. (Digital Electronics and Communication Systems) degree from Malnad College of Engineering, Visvesvaraya Technological University, Karnataka with I rank with Gold Medal in the university in 2004 and 2007, respectively. He completed his Ph.D. from National Institute of Technology Karnataka (NITK), Surathkal, Karnataka, in the field of Wireless Sensor Networks in 2015. Currently, he is an Associate Professor in the Department of Electronics and Communication Engineering, N. M. A. M. Institute of Technology, Nitte, Karnataka. His areas of research interest include Wireless Sensor Networks, Mobile Adhoc Networks, Information Coding Theory and Cryptography.

ORGANIZING COMMITTEE

Organizing Committee

Patron : Shri. Siddharth J Shetty , Chairman, IMJ Institutions

Chair : Dr. Kataiah G S, Principal

Co-chair : Professor Melwin D'Souza, Vice- Principal

Convener:

Prof. Thimmappa, HOD ME

Prof. Balanageshwar , HOD ECE

Staff co-coordinators

Mrs. Sookshma Adiga, CSE

Mrs. Akshata Naik, ECE

FEEDBACK

Resource person: The FDP was well planned and properly executed. The response from the faculties was good and they are very interactive. Faculties raised many questions regarding the workshop. Faculty participated and listened to the workshop attentively.

Faculties: All the sessions handled by the Resource Persons were very informative and student gained sufficient knowledge. Each session of the FDP's was highly enriching and Resource persons have effectively delivered the FDP's objectives. It also helped the faculties to implement this in their carrier goals.

POSTER



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**RESEARCH FDP ON
EMERGING TRENDS IN ELECTRONICS
AND COMMUNICATION ENGINEERING**

22nd TO 26th OF MARCH, 2021

**Organized by: Department of ECE
MIT, Kundapura**

KEY NOTE SPEAKERS:



Day-1
Dr. Abdul Kareem
Dean R&D
MIT Kundapura



Day-2
Dr. Niranjana UC
Director Research &
Training, MDN LABS



Day-3
Dr. Tanweer Ali
Asst. Professor(Sr)
Dept. of ECE
MIT Manipal



Day-4
Dr. T Laxminidhi
Professor & Head
Dept of ECE
NITK, Suratkal



Day-5
Dr. K S Shivaaprakasha
Professor
Dept of ECE
NMAMIT, Nitte

HoD

PRINCIPAL



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Date: 21.03.2021

CIRCULAR

This is to inform all Faculties of Moodlakatte Institute of Technology that a Five days Research oriented FDP on Emerging trends in Electronics & Communication Engineering will be organised from 22nd March to 26th March 2021 in the Auditorium at 10AM. Eminent Persons from Academia and Industry would be the resource persons.

All are requested to participate in this FDP.

HoD

Principal

To: ~~MIT~~ circulate among staff and students

Copy to: Department File



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FIVE DAYS FDP ON EMERGING TRENDS IN ELECTRONICS & COMMUNICATION		
Participant List		
Sl.no	Name	Department
1	VARUNA KUMARA	Artificial Intelligence & Machine Learning
2	AKSHATHA SHETTY	Basic Science & Humanities
3	ASHA KUMARI	Basic Science & Humanities
4	BHUNESHWAR PASWAN	Basic Science & Humanities
5	CHAITHRA	Basic Science & Humanities
6	DEEPAK SHETTY M	Basic Science & Humanities
7	NIKHILA PAI	Basic Science & Humanities
8	NIDHISHREE	Civil Engineering
9	DR THILAGARAJ T	Computer Science & Engineering
10	FARANA MOHAMMED IMRAN	Computer Science & Engineering
11	MANOJ KUMAR K	Computer Science & Engineering
12	MURALIDHARA B K	Computer Science & Engineering
13	PRAMEELA	Computer Science & Engineering
14	PRASANNA KUMARA	Computer Science & Engineering
15	SHRINIDHI. N	Computer Science & Engineering
16	SMITHASHREE K	Computer Science & Engineering
17	SOOKSHMA ADIGA	Computer Science & Engineering
18	MAMATHA K S	Electronics & Communication Engineering
19	SUSHMA SHEDTHI A	Electronics & Communication Engineering
20	HARISHA	Master of Business Administration
21	KAVYA	Master of Business Administration
22	VENKATESH SHETTY	Master of Business Administration
23	BASAVARAJ KAMBALE	Mechanical Engineering
24	THIMMAPPA D S	Mechanical Engineering
25	VISHWANATH DINAKAR	Mechanical Engineering


Principal