



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: 14.08.2023

Topic : **Advanced FDP on Research and Industry competency**
Organized On : **10th – 12th August 2023**
Resource Person : **From Academia and Industry**
Participants : **Faculty of MIT Kundapura,**
No. of Faculty – 27.

PREAMBLE

We, the esteemed faculty and administration of Moodlakatte Institute of Technology, Kundapura take immense pride in organizing a transformative three-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 10th to 12th August 2023 seeks to create a dynamic platform for intellectual exchange and professional development. It provided a good environment for faculty to enhance their teaching methodologies, imbibe innovative techniques, and leverage technology effectively in the education process.

Throughout this event, renowned experts from academia and industry conducted interactive sessions and discussions sharing their expertise and experiences. Topics ranging from cutting-edge teaching strategies, research advancements, industry-academia collaborations, and fostering a student-centric learning environment is explored. Furthermore, this FDP aimed to promote a collaborative and interdisciplinary approach, encouraging faculty members from various departments to network, share best practices, and establish strong connections for future collaborations.

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 working as Principal 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.

REPORT

DAY 1 Morning session:

Introduction of Resource person:

Dr. Abdul Kareem working as Principal 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:

Overview of the National Education Policy (NEP) 2020: Dr. Abdul Kareem commenced the session by providing a comprehensive overview of the NEP 2020, elucidating its salient features and highlighting the paradigm shift it aims to bring in the education system.

The resource person emphasized the significance of quality education in shaping the future of our nation. He discussed how the NEP 2020 emphasizes holistic development, skill enhancement, and fostering a creative and critical thinking approach among students.

Dr. Abdul Kareem expounded on the pivotal role of educators in the successful implementation of NEP 2020. He elaborated on the need for a learner-centric approach, teacher training programs, and continuous professional development to adapt to the changing pedagogical landscape. The resource person candidly discussed the challenges that educators might face during the transition phase and shared insights on how to overcome them. He also presented the vast opportunities that the NEP 2020 brings for faculty members to enhance their research and pedagogical practices.

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 1 Afternoon session

Introduction of Resource person:

Professor Thimmappa, Head of the Mechanical Engineering Department at MIT Kundapura having more than 13 years of teaching experience. Professor Thimmappa, with his wealth of experience and expertise in the field of education, captivated the audience with his engaging presentation. The session focused on the significance of quality assessment in academic courses and its pivotal role in elevating the overall learning experience for students.

member of various professional societies like ISTE, ISLE, and fellow of IE(I) and Senior member of IEEE.

The third session of the Faculty Development Program (FDP) commenced on 22nd July 2023 with the distinguished presence of Dr. Shreesha C, an eminent personality in the field of Instrumentation and Control Engineering and currently serving as the Head of the department at Manipal Institute of Technology (MIT). The session focused on the crucial and timely topic of "Examination Reforms" in the context of higher education.

Dr Shreesha emphasized the necessity of implementing examination reforms in our academic system. He shed light on how traditional examination patterns often fail to assess students' comprehensive understanding and real-world application of knowledge. The focus was placed on exploring alternative evaluation methodologies that could better reflect students' abilities.

The resource person highlighted the significance of aligning assessments with the intended learning outcomes. OBE principles were discussed, emphasizing the importance of clearly defining learning objectives and designing assessments that measure the achievement of these objectives effectively.

The concept of continuous assessment as a progressive alternative to conventional end-of-semester examinations was introduced. Dr.Shreesha shared examples of successful implementations of continuous assessment models in other institutions, highlighting the positive impact on student engagement and performance.

Participants actively engaged in discussions about the potential challenges of implementing examination reforms and ways to overcome them. Dr.Shreesha encouraged faculty members to pursue continuous professional development to stay updated with evolving assessment practices and methodologies. Professor Sookshma Adiga from CSE dept hosted the event.

Day 2 Afternoon session

Introduction of Resource person:

Dr. Praveenkumar is an accomplished professional with a strong background in Electronics and Communication Engineering, specializing in the design and analysis of cutting-edge antenna systems and integrated circuits. With a passion for research and a keen interest in academia, he has made significant contributions to the fields of Ultrawideband (UWB), Millimeter, and THz antennas, along with VLSI design and digital system development using Verilog. Academically, he holds a Ph.D. from Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal. Apart from his impressive academic and research endeavors, Dr. Praveenkumar is an active member of professional bodies, including MIETE. Notably, he was honored with the Best Paper Award at The Third International Telecommunications Conference (ITC-Egypt) for his work.

The fourth session of the Faculty Development Program (FDP) commenced on 22nd July 2023 with the distinguished presence of Dr. Praveen Kumar, a renowned scholar and faculty member from the Department of Electronics and Communication Engineering (ECE) at MIT Manipal. The session was centred around the significant topic of "Research Publications" and aimed to equip the faculty members with valuable insights into the process of publishing research findings in reputed journals and conferences.

The session began with a warm introduction of Dr. Praveen Kumar, highlighting his illustrious academic background and extensive research contributions in the field of Electronics and Communication Engineering. His expertise and experience as a prolific researcher and a reviewer for esteemed journals set the stage for an engaging and informative session.

We have invited another two guests Dr Abhaya Gupta Director of skeleton consultant pvt, Ltd and Ms. Jostna Bharat L&D specialist who delivered the talk on technical evaluation, social skill and industry safety.

The second session's topic was "Quality Assessment in Courses," and we were privileged to have Professor Thimmappa, Head of the Mechanical Engineering Department at MIT Kundapura, as the esteemed resource person.

The session began with a warm welcome extended by Prof. Varun kumar, the organizing committee member of the FDP, who expressed gratitude to Professor Thimmappa for gracing the event and sharing his profound insights on the subject matter.

Professor Thimmappa elucidated the fundamental concepts of quality assessment, emphasizing the importance of aligning course objectives, content, and assessment methods to ensure students' comprehensive learning. Various assessment strategies and techniques were discussed, including formative and summative assessments, peer evaluations, rubrics, and the incorporation of real-world projects to gauge student understanding effectively.

Professor Thimmappa highlighted the role of constructive feedback in continuous improvement, enabling faculty members to refine their teaching methods and make necessary adjustments to enhance course outcomes.

Addressing Challenges: The session also addressed common challenges faced in course assessment, such as grade inflation, academic integrity, and ways to mitigate bias in evaluation.

The interactive nature of the session encouraged active participation from the faculty members, who posed thought-provoking questions and sought clarification on specific assessment strategies applicable to their respective disciplines.

The session concluded with a vote of thanks to Professor Thimmappa for his invaluable contributions and profound knowledge shared during the session. The participants left the venue feeling motivated and enlightened, looking forward to implementing the learning in their respective classrooms.

One more session was arranged regarding Technical evaluation , social skill and industry safety. Dr Abhaya Gupta and Ms.Jostna Bharat were invited to give lecture on this. Social skills training is a therapeutic approach used to improve interpersonal relations. The session focuses on verbal and nonverbal behaviors common in social relationships. Having well developed social skills also leads to improved mental capacity and cognitive abilities, as well as good overall mental health.

DAY 2 Morning session

Introduction of Resource person:

Shreasha Chokkadi completed his graduation with B.E. in Electrical and Electronics Engineering from Govt. BDT College of Engineering Davanagere in 1988. He obtained M.E. from Walchand College of Engineering Sangli in Control Systems (Electrical) during 1992. In 2002 he was awarded with Ph.D. from IIT Bombay for his thesis entitled New Approaches to Control Relevant Identification.

He has published about 30 research articles in indexed international journals and more than 40 technical papers in national/international peer reviewed conferences. He has presented a research paper in the European Control Conference held in Porto, Portugal during 2001 and in international conferences at Dubai, Singapore, Malaysia and London. Three candidates have been awarded with PhD by VTU Belgaum under his guidance and Two from Manipal Academy of Higher education. He has guided more than 30 PG students and is currently guiding 3 PhD scholars under MAHE. He is life

Dr. Praveen Kumar emphasized the crucial role of research publications in academic growth and institutional reputation. He elaborated on the various benefits of publishing research, including increased visibility, academic recognition, and potential collaborations. The resource person guided the participants through the process of identifying appropriate journals and conferences for publishing their research papers. He discussed the importance of aligning the research work with the scope and theme of the target publication venues.

Dr. Kumar provided valuable tips and techniques for writing compelling and impactful research papers. He emphasized the significance of clear and concise language, proper structuring, and adherence to formatting guidelines. Ethical Considerations in Research Publishing: The session also shed light on the ethical aspects of research publication, including plagiarism, authorship, and proper citation practices. Dr. Kumar stressed the importance of maintaining research integrity and adhering to ethical standards.

Q&A and Interactive Discussion: The session concluded with an interactive Q&A segment, allowing faculty members to seek clarifications and share their experiences related to research publications. Dr. Kumar patiently addressed each query, providing valuable guidance to the participants. Dr. Nikhila Pai from BSH Department hosted the event.

Day 3 Morning Session

Introduction of Resource person:

Professor Jenniffer Freeda Manezes obtained her Bachelor's degree in Nursing from Rajiv Gandhi University of Health Sciences in the year 2006. Jenniffer madam obtained Master's degree in Community Health Nursing from same University in the year 2012. and is currently pursuing MPhil from the prestigious MAHE Manipal. Throughout her illustrious career, she has served as an Assistant Professor and lecturer in various colleges, leaving an indelible mark in the minds of her students.

The webinar commenced with an engaging introduction to the significance of holistic human health in today's fast-paced and stressful world. Professor Menezes emphasized the interconnectedness of physical, mental, emotional, and social well-being, and how addressing each aspect is crucial for maintaining a balanced and healthy lifestyle.

Defining the concept of holistic health and its relevance in the modern era, professor highlighted the importance of recognizing the body-mind-spirit connection for overall well-being. The webinar explored the various components that constitute holistic health, including physical fitness, emotional intelligence, mental resilience, and social connections.

Stress Management: Offering practical strategies to manage stress effectively, considering its detrimental effects on overall health and productivity.

Integrative Approaches: Presenting integrative approaches to healthcare that combine conventional medicine with complementary practices for a more holistic treatment of ailments.

Interactive Q&A Session:

The webinar concluded with an interactive Q&A session, during which the faculty members actively engaged with Professor Menezes. They posed thought-provoking questions, seeking advice on implementing holistic health practices in their personal lives and integrating them into the curriculum to foster a healthier learning environment for students.

Day 3 Afternoon Session

Introduction of Resource person:

Dr. Niranjana has an illustrious career, and his expertise extends to the educational domain as well. He is an Adjunct Professor at the Electronics and Communication Department, MIT, Manipal, and also holds the position of Director of Research & Training at Manipal Dot Net in Manipal.

Being an active member of professional bodies, Dr. Niranjana has contributed significantly to the growth and development of these organizations. He served as the past Secretary of BMESI and held the prestigious position of past Chair of IEEE Mangalore Sub-section. As a testament to his outstanding contributions to the field, he was awarded the IEEE EMBS best student paper award in 1992 at Paris and the Young Achiever paper award at ISCE, Arizona, in 1996. Notably, in 2019, he was felicitated with the Distinguished Alumnus award by NITK during their Diamond Jubilee celebrations.

The Faculty Development Program (FDP) organized by MIT Kundapura entered its third day with an engaging webinar session on the "Role of Professional Bodies in Technical Education." The webinar was conducted on 23rd July 2023 and was facilitated by the esteemed Dr. Niranjana U C, a renowned expert in the field of Biomedical Engineering and the President of the Biomedical Engineering Society of India. The virtual event aimed to shed light on the significance of professional bodies in shaping the landscape of technical education.

Dr. Niranjana U C commenced the session by emphasizing the crucial role played by professional bodies in the domain of technical education. He elaborated on how these organizations act as pillars of support, connecting academia, industry, and the broader community. The key highlights of the webinar included:

Dr. Niranjana delved into the importance of professional bodies in providing a platform for faculty members and students to engage in discussions, share knowledge, and collaborate on research projects. He stressed how such bodies contribute to the overall growth and development of technical education.

The resource person highlighted the role of professional bodies in promoting research and innovation in technical disciplines. By organizing conferences, workshops, and seminars, these bodies facilitate the dissemination of cutting-edge research and encourage faculty members to explore new avenues of knowledge.

The webinar emphasized the significance of bridging the gap between academia and industry. Professional bodies facilitate collaborations with industries, enabling students and faculty to gain practical exposure and fostering an industry-relevant curriculum.

Dr. Niranjana discussed the various opportunities offered by professional bodies for continuous professional development of faculty members. Workshops, webinars, and training programs help faculty stay updated with the latest trends and advancements in their respective fields. Professor Timmappa, HOD Mechanical department hosted the event.

ORGANIZING COMMITTEE

Organizing Committee

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

Chair : Dr. Abdul Kareem, Principal

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

POSTER



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Advanced FDP on Research and Industry competency

RESOURCE PERSONS FROM ACADEMIA AND INDUSTRY

10th – 12th August 2023

9.30 AM to 4.30 PM

MIT Kundapura


HOD



PRINCIPAL

Principal
Moodlakatte Institute of Technology
Moodlakatte, Kundapura - 576217
Udupi Dist, Karnataka

Convener:

Prof. Thimmappa, HOD ME

Prof. Varun Kumar, HOD AI & ML

Prof. Balanageshwar , HOD ECE

Staff co-coordinators

Mrs. Sookshma Adiga, CSE

Mrs. Akshata Naik, ECE

Dr. Nikila Pai, BSH

FEEDBACK

Resource person: The FDP was well planned and properly executed. The response from the faculties was good and they are very interactive.

Faculties: 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.



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Date: 6.7.2023

CIRCULAR

This is to inform all Faculties, and third year and Final year students of the Department Electronics & Communication Engineering that a Three days Faculty development programme on Advanced FDP on research and Industry competency will be organised from 10th August 2023-12th August 2023 in the Auditorium at 9.30AM. Eminent Faculties from Industry and Academia would be the resource persons.

All are requested to participate in this FDP.

HoD

To:  circulate among staff and students

Copy to: Department File


Principal

Principal
Moodlakatte Institute of Technology
Moodlakatte, Kundapura - 576217
Udupi Dist, Karnataka



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Advanced FDP on Research and Industry competency from 10th Aug-12th Aug 2023

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	RAGHUNATHA M D	Electronics & Communication Engineering
21	BALANAGESHWARA S	Electronics & Communication Engineering
22	HARISHA	Master of Business Administration
23	KAVYA	Master of Business Administration
24	VENKATESH SHETTY	Master of Business Administration
25	BASAVARAJ KAMBALE	Mechanical Engineering
26	THIMMAPPA D S	Mechanical Engineering
27	VISHWANATH DINAKAR	Mechanical Engineering


HOD

Principal



Principal

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