

Faculty Development Programme Collaborative Research Practices in Modern Era

The inaugural session of the FDP was held on 13 February 2023. The welcome address was delivered by Dr. Deepa Rajesh, Director-HRDC & AADC Nodal officer. Our Honorable Vice-Chancellor Col. Dr. G. Thiruvassagam gave the inaugural and presidential address. The chief guest address was delivered by Dr. Dhananjaya Madiraju, Vice – Chancellor, REVA University, Bengaluru. He has appreciated the AIU for developing the Academic and Administrative Development Centre to perfectly balance the academics and administration in an institution. It's our pleasure to have such an eminent expert on this forum and the Overview of the FDP was delivered by Dr. N. Duraimutharasan, Professor & Head, Dept. of CSE, AMET.

Inauguration of Faculty Development Programme on “Collaborative Research Practices in Modern Era”

In continuation of the inaugural, the technical session one started. Our guest speaker Dr. Debabrata Datta, Professor & Joint Director, Department of Information Technology, Heritage Institute of Technology, Kolkata. He has discussed on Quantum Fourier Transformation with Quantum circuits and quantum algorithm for solving a system of linear equation. He mentioned the significance of Quantum gates and also elaborates the various types of quantum algorithm. More than 270 participants are attended the session and got benefited.

Dr. Debabrata Datta, Professor & Joint Director, Department of Information Technology, Heritage Institute of Technology, Kolkata delivered keynote address on “Perspectives of soft computing and quantum computing applications using ML in Healthcare Sectors”

Day 2: 14.02.2023 (2 pm to 4 pm)

Our guest speaker, Dr. Neelesh S Upadhye, Professor, Department of Mathematics, IIT, Chennai discussed on advanced statistical methods in Data science. He emphasized the role of Decision Trees in decision making. He also elaborates how the technique can be used in decision trees to make our decision in a better way based on the available data. More than 250 participants are attended the session and got benefited.

Dr. Neelesh S Upadhye, Professor, Department of Mathematics, IIT, Chennai delivered keynote address on “Decision Trees in decision making”

Day 3: 15.02.2023 (2 pm to 4 pm)

Development of industry institution joint projects: Financial support from TNSCST Government of TN was the topic of a conversation with special guest speaker Dr. A. Ramanan, Scientific Officer, Tamilnadu State Council for Science and Technology, Chennai. He provided information on the various programmes and initiatives of TNSCST. He described the prospects and student science and technology project plan in TNSCST as well as the difficulties we might face and how to overcome them. More than 250 people attended the workshop and benefited from it.

Dr. A. Ramanan, Scientific Officer, Tamilnadu State Council for Science and Technology, Chennai delivered keynote address on “Development of industry institution collaborative projects”

Day 4: 16.02.2023 (2 pm to 4 pm)

The development of the infrastructure for electric vehicle charging was the topic of our guest speaker, Mr. Sivaraman P, Program Manager - EV Charging Infrastructure at WRI India. He shared his knowledge on the topic of electric and hybrid cars. He explained the function, attributes, and components of EVs. He skillfully illustrated how the E-bus charges using a variety of graphics. He concluded by giving directives from the ministry of power. Almost 250 persons attended the session and profited from it.

Mr. Sivaraman. P, Program Manager - EV Charging Infrastructure at WRI India delivered keynote address on “Electric Vehicle charging infrastructure development”

Day 5: 17.02.2023 (2 pm to 4 pm)

Dr. Sangeetha Mishra, an associate professor at the Thakur Institute of Engineering and Technology in Mumbai, Maharashtra, India, was our guest speaker. She spoke about how to conduct collaborative research in a variety of fields and outlined the differences between applied research, experimental research, exploratory research, and grounded theory research. She also discussed her knowledge of crisp sets and fuzzy logic. The session was attended by almost 260 people, all of whom profited.

Dr. Sangeetha Mishra, Associate Professor, Thakur Institute of engineering and technology, Mumbai, Maharashtra, India delivered her keynote address on “Global Perspectives of applied research in multidisciplinary fields”

Day 6: 18.02.2023 (2 pm to 4 pm)

Prof. (Dr.) Gokulakrishnan, Additional Director / Scientist E, STPI, MeITY, GOI, was our special guest speaker. He spoke on planned STPI projects, IT-related challenges facing the STPI, and the global market for digital solutions. He also explained how taxes are collected by the government and how the IRCTC makes money. He described the gap between generations in the Technology sector. More than 250 people attended the workshop and benefited from it.

Prof.(Dr.) Gokulakrishnan, Additional Director / Scientist E, STPI, MeITY, GOI delivered keynote address on “Globalization of IT industries : Perspectives and Opportunities”

Day 7: 20.02.2023 (2 pm to 4 pm)

Dr. C. Bharatiraja, Professor, Department of EEE & Center for Electric Mobility, SRM University, Kattankulathur, will be our guest speaker. AGV and electric vehicle concepts are essential to the future road map of sustainability, which he elaborated on after introducing the basic idea of an electric vehicle. He also discussed the future of the smart city concept. In the context of the smart city concept, he also discussed the problem with our country's transportation system and how to fix it. He closed by discussing how to create an eco-friendly atmosphere using cutting-edge technology. The session was attended by more than 250 people, all of whom profited.

Dr. C. Bharatiraja, Professor, Dept. of EEE & Centre for Electric Mobility, SRM University, Kattankulathur delivered his keynote address on “Future of sustainability : Electric Vehicles and Material Resources”

Day 8: 21.02.2023 (2 pm to 4 pm)

Our guest speaker Mr. K. S. Saminathan, S Retd. Joint Director, Dept. of Industries & Commerce, Chennai. He discussed on creating a BPR (Business Process Re-Engineering) model for a Manufacturing Industry. He also shared his knowledge about the challenging assignments in Business transformation through creation of appropriate projects. More than 250 participants are attended the session and got benefited

Mr. K. S. Saminathan, S Retd. Joint Director, Dept. of Industries & Commerce, Chennai keynote address on “Creating a BPR model for a Manufacturing Industry”

VALEDICTORY

Valedictory session was held at the last day of the programme. Welcome address was delivered by Dr. Deepa Rajesh, Director-HRDC & AADC Nodal officer. The valedictory address was delivered by Dr. M. Jayaprakashvel, Registrar I/c. The program was ended with Vote of Thanks by Dr. T. Sasilatha, Dean Academics and International Relations, AMET.

Valedictory session

Outcome of the Programme

- Participants will get a vision about the collaborative research with various departments
- Participants will be able to identify the possible ways to do the multidisciplinary projects and research.
- Participants will come to know a number of government bodies supported for the individual and collaborative research.