One Week Faculty Development Programme  
On  
Multidisciplinary Research: Barriers and Opportunities with Computing  
21st -25th January, 2019

The Department of Computer Science and Systems Engineering organized a one Week Faculty Development Programme on “Multidisciplinary Research: Barriers and Opportunities with Computing” during 21st-25th January, 2019, in association with IEEE Hyderabad Section. 

The Faculty Development Programme mainly focused on Multidisciplinary Research Problems, and opportunities to enhance research capabilities of young members of faculty especially in multidisciplinary research. Faculty members and Research Scholars from different disciplines attended programme.

21-01-2019: The Programme began with an Inaugural Function followed by two technical sessions. In the first technical session, Dr. B. Narendra Kumar Rao, delivered a talk on the research issues in the domain of cyber physical systems. In the second and third technical sessions, Mr. Swamy Kuchi, discussed the essence of cyber security, industry opportunities in cyber security and data science.
The Chief Guest Dr. T. Lazar Mathew addressing the participants.

Dr. B. Narendra Kumar Rao delivering session on “Research Issues in Domain of Cyber Physical Systems”
Mr. SwamyKuchi delivering session on “Industry Opportunities in Cyber Security and Data Science”

22-01-2019: The Second day of the FDP began with the technical session by Dr. K. G. Suma. She discussed Bio-medical image processing and Research issues in the field of Bio-medical science. The next technical session was by Dr. G. Sasikumar. In his presentation, he discussed different research centers available for Bioinformatics, virtual centers and different online sources available. The afternoon session began with the presentation by Dr. V. R. Anitha on RF MEMS and its Applications. The second day ended with the presentation by Dr. N. Padmaja. She presented types of innovations, Scientific Approaches to Innovation and Invention.

23-01-2019: The third day began with a Presentation by Dr. V. AnanthaNatarajan. He discussed different data visualization techniques available for large data sets and the process of time series data analysis with Python. Next technical session was by Dr. O. Eswara Reddy, on the role of Artificial intelligence in Civil Engineering. The post lunch session began with a presentation by Dr. P. Geetha, on strengthening multidisciplinary research. Last session of the day was by Dr. D. V. S. Bhaganulu, on Research Ethics and Research Findings. He explained research ethics with different case studies.
Dr. K. G. Suma delivering session on "Biomedical Image Processing: Barriers and Opportunities"

Dr. G. Sasikumar delivering session on "Bioinformatics: A Research Perspective"
Dr. V. R. Anitha delivering session on “RF MEMS and Its Applications”

Dr. N. Padmaja delivering session on “Innovations: Key to Success”
Dr. V. AnanthaNatarajan delivering session on “Data Visualization Techniques and Time Series Data Analytics with Python”

Dr. O. Eswara Reddy delivering session on “Artificial Intelligence in Civil Engineering”
Dr. P. Geetha delivering session on “Strengthening Multidisciplinary Research”

Dr. D. V. S. Bhaganulu delivering session on “Research Ethics and Research Findings”

24-01-2019: The first Technical Session of day 4 began with a presentation by Dr. O. Obulesu, on applying machine learning techniques for data analytics using R Studio. The next session was by Dr. A. Srinivasulu. He discussed research
methodology and how to draw mind charts for any research problem. In his session
the participants drew mind charts for different research problems. The post lunch
session began with a talk by Dr. S. Farook, on data preparation and analysis for
research. 4th day ended with the presentation by Dr. T. Hariprasad, on Role of
Computer Technology in Mechanical Engineering.

25-01-2019: Last day of the FDP began with the session by Dr. K. K. Baseer. He
discussed how a systematic literature survey can be done for effective research and
How to identify the problem statement for research. He also discussed research
perspectives in Intelligent IoT along with demonstration of Smart Home using IoT.
Before lunch, another technical session was by Dr. V. S. V. Prabakar, on The Need
of Multidisciplinary Approaches and Engineering Tools for the Development and
Implementation of Smart City Paradigm. Next session was by Dr. R. SatyaMeher
on Research Grants. He discussed how to apply for Research Funding and different
funding agencies available in different engineering domains. The last technical
session was by Mr. Ashraf Ali Shaik on Computational Thinking.

Dr. O. Obulesu delivering session on “Machine Learning Techniques using R Studio”
Dr. A. Srinivasulu delivering session on “Research Methodology in Computer Science”

Participants displaying the Mind Chart drawn on Micro Grid
Dr. S. Farook delivering session on “Data Preparation and Analysis for Research”

Dr. T. Hariprasa delivering session on “Role of Computer Technology in Mechanical Engineering”
Dr. K. K. Baseer delivering session on "Systematic Literature Review and Research Perspective in Intelligent IoT"

Displaying Role of IoT in Smart Home
Dr. V. S. V. Prabakar delivering session on “The Need of Multidisciplinary Approaches and Engineering Tools for the Development and Implementation of Smart City Paradigm”

Dr. R. SatyaMeher delivering session on “Research Grants”
Mr. Ashraf Ali Shaik delivering session on “Computational Thinking”

Dr. P. C. Krishnamachary, Principal, SVEC, Presenting Memento to the Resource Person
Dr. V. V. Rama Prasad, Dean Academics, Presenting Memento to the Resource Person

Participants

The Faculty Development Programme successfully completed on 25th January, 2019. Participants expressed their enthusiasm and interest towards attending the FDP and appreciated the organizers for conducting the programme.