

SPEKTREM

ECE DEPARTMENT

VOLUME 1

ISSUE 2

JULY - DECEMBER 2022

HoD'S DESK

The teaching learning process has been changed to student centric and it is oriented towards learning rather than teaching. Hence each faculty member must become a learner before they become teachers. The main objectives of FDP include improving knowledge in new developments in the concerned area and in turn, maximize the ability of faculty to help the students learn.



Faculty Development Programs include personal, instructional, institutional and organizational developments of faculty. This creates a better environment in learning support.

The outcome of FDP is expected to bring about a healthy enhancement in the academic and intellectual environment at the institutions of participating faculty.

Dr. S. Shabu

Inside this issue:

HoD'S DESK	1
KTU SPONSORED FDP	2
SPECTRA 2022-23 INAUGURATION	3
QUIZ : INDIA@75	4
EXPERT TALKS	5
NEW MEMBER	6
FDP/WORKSHOP ATTENDED	6



**APJ AKTU SPONSORED FDP ON
OPEN SOURCE TOOLS FOR ENGINEERING APPLICATIONS:
HANDS ON TRAINING**

The Department of Electronics and Communication Engineering of Mohandas College of Engineering and Technology, Anad has successfully completed the 5 days offline FDP on “**OPEN SOURCE TOOLS FOR ENGINEERING APPLICATIONS: HANDS ON TRAINING**” sponsored by APJ Abdul Kalam Technological University from 22/08/2022 to 26/08/2022. The FDP was inaugurated by **Dr. Shalij P. R.** [Dean – Research & Dean – Academic(in-charge), APJ AKTU] by lighting the lamp. The FDP had participants from Government Engineering colleges as well as self financing Engineering colleges. The program witnessed the association of expert resource persons from various reputed institutions in Kerala like IIST, CET, GEC Barton Hill and MITS.



SPECTRA - ASSOCIATION OF ELECTRONICS AND COMMUNICATION

SPECTRA 2022-23 was inaugurated by Dr. K. C. Chandraseksharan Nair, Co-founder and former CFO, Technopark on 06th December 2022, at 11.00 am in CGPC Hall, MCET, Anad. Dr. S. Shabu, HoD, ECE, delivered the welcome speech and the Presidential address was given by Dr. S. Sheela, Principal, MCET. Dr. Deepa Nair, HoD, EEE delivered the vote of thanks. Ms. Jayapradha T U, Assistant Professor, (Staff Co-ordinator, SPECTRA) and Mr. Abhinav (Secretary, SPECTRA) were present in the meeting. Mr. Krishnanunni, MD, Acutro Technologies gave a technical talk on “Technology Revolution in Industry 5.0”. HoDs, faculty members of various departments of the college and students of Electronics and Communication Engineering attended the function.



QUIZ COMPETITION : INDIA@75

As a part of 20th year celebration of MCET, the department of Electronics and Communication Engineering organized a quiz competition for the school students with the theme '**INDIA@75**'. The prelims was conducted on 15/08/2022 and the final round on 06/10/2022. More than 300 students participated in the preliminary round and top 25 students got qualified for the final round. After an objective type screening test, top 5 students were selected to the finals. Johanna Esther N of Holy Angels' ISC School won the first prize, Adwaid M Prasanth of GHSS Mylachal got the second prize and Gouri Ajith of Sarvodaya Central Vidyalaya, Nalanchira received the third prize. Dr. Ashalatha Thampuran (Director, MCET) and Dr. S. Sheela (Principal, MCET) awarded the cash prize and certificates to the winners. The quiz-master for the event was Mr. Prem Krishnan N, Scientist E, Joint Director, CDAC. The event was co-ordinated by Ms. Deepa D, Assistant Professor, Department of Electronics and Communication Engineering.



EXPERT TALKS

As a part of 20th year celebration of MCET, the department of Electronics and Communication Engineering organized two expert talks. The talk on “**Career Opportunities in VLSI**” was handled by **Dr. Nithin M** (SMTS, Rambus Chip Technologies), on 18/10/2022 under the banner of Back to Campus program. Prof. Lekshmi V co-ordinated the event.



Another talk on “**Biomedical Engineering : Opportunities**” was handled by **Prof. Nissa Surling S N**, Assistant Professor, GEC Thrissur, on 25/11/2022. The event was co-ordinated by Prof. Renjitha G Nair.



NEW MEMBER OF ECE FAMILY

N Muhsina joined the department in November 2022. She is currently pursuing Ph.D. in APJ AKTU in the area of Audio Signal Enhancement using Machine Learning or Deep Learning algorithms. Her research interests include Communication, Machine learning, Deep Learning etc.



FDP/WORKSHOP ATTENDED



Ms. Lekshmi V, Assistant Professor, attended five days Professional Development Program on **Embedded Systems using 8051 Microcontroller** organized by NITTR, Chennai from 27/06/2022 to 01/07/2022.

Dr. Rakesh S, Associate Professor, participated in the six days virtual workshop on **Research Opportunities in Semiconductor Materials and Devices** organized by the Department of Electronics and Communication Engineering, SRM Institute of Science and Technology, Kattankulathur Campus in association with Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram from 19/10/2022 to 24/10/2022.



PUBLISHED BY : DEPARTMENT OF ECE, MCET
EDITORIAL TEAM : Dr. S. SHABU (HoD, ECE)
Dr. RAKESH S (ASSOCIATE PROFESSOR)
Mr. ABHINAV S B (SECRETARY, SPECTRA)

Internal Circulation Only