

**SREE CHITRA THIRUNAL COLLEGE OF ENGINEERING, PAPPANAMCODE,
THIRUVANANTHAPURAM**

**Report on Five days Online FDP on "THE ART GALLERY OF ENGINEERING
GRAPHICS "**

Event Type : **FACULTY DEVELOPMENT PROGRAM (FDP) Sponsored by APJ
Abdul Kalam Technological University**

Date / Duration : 2ND – 6TH AUGUST, 2021 (FIVE DAYS)

Chief Patron : Dr. Jayasudha J S, Principal, SCTCE

Convener : Dr. Anoopkumar S, HOD - Mechanical

Coordinators : Dr. S H Anilkumar, Professor
Dr. Arun M, Assistant Professor

Total no of Participants: 64 (Internal Count = 26 & External Count = 38)

Objective of the event: The Objective of this FDP is to create awareness and emphasize the need for Engineering Graphics in all the branches of Engineering, to follow basic drawing standards and conventions and to develop skills in three-dimensional visualization of engineering component.

Outcome of event:

1) The faculty will be able to teach the students to prepare drawings as per BIS standards, effectively deal with specific geometrical problems in plane geometry involving lines and draw orthographic projection of engineering components working from pictorial drawings.

2) The faculty will be able to get a bird's eye view of Projection of lines & solids, Sections of Solids, Isometric projections and Perspective projections.

Description / Report on Event:

The five days online FDP program began with Prayer and Welcome speech by the coordinator Dr. S H Anilkumar. Inaugural function was addressed by Principal Dr. Jayasudha J S who expressed the importance of engineering graphics in all the engineering streams. The FDP was inaugurated by Dr. C Muraleedharan, HOD (ME) NIT Kozhikode, who explained the impact of Engineering Graphics in the daily life of an Engineer. Dean Student Affairs Dr. R Ajith stressed the importance of practicing and perfecting ones drawing skills. Head of the

Department of Mechanical Engineering, Dr. Anoopkumar S explained the importance of engineering graphics over CAD and acclaimed Engineering Graphics to be irreplaceable. Biotechnology & Biochemical engg. HOD Dr K B Radhakrishnan expressed the importance of passion towards Engineering Graphics. Dr. Sheeja M K HOD EC department explained the benefits of this FDP in the career life of participants. Inaugural function ended with vote of thanks by Dr. Arun M – Coordinator. All the participants are advised to utilize all the sessions.

On the First day of FDP **Dr. C Muraleedharan**, has narrated the importance of Engineering Graphics and explained the projection of points and lines followed by Review of fundamentals by Dr. Anilkumar S H. In the AN session, **Dr. K N Anilkumar**, Associate Professor, RIT Kottayam, presented the concept of views and projections.

During Second Day, **Dr. K N Anilkumar**, narrated the topic Projection of Solids with his real models. This was followed by discussion on different concepts of Projection of solids and the auxiliary plane method. Sections of solids was delivered by **Dr. S H Anilkumar**. In the AN session **Dr. Manu R** Professor, NIT Kozhikode presented IS code of practice in Engineering Graphics followed by Dr. Arun's activity.

On the Third day of FDP in FN session, **Dr. N Asokumar**, Rtd. Professor, College of Engineering, Thiruvananthapuram depicted the principles of Isometric projections and views, followed by the demonstration of **Dr. Senthil Prakash M N**, Professor, CUSAT in Effective tools in Engineering Graphics. In the AN session **Dr. K A Shafi**, Professor, TKMCE demonstrated the development of surfaces.

On the Fourth day of FDP **Dr. Simon Peter** from NIT Kozhikode narrated the principles of Orthographic projections followed by Soft tools for Engineering Graphics by **Dr. S H Anilkumar**. In the AN session, **Dr. U Prakash**, moderated the panel discussion. The topic was Relevance of Graphics, followed by Solutions of sections of solids by Dr. S H Anilkumar.

On the last day of FDP, the history of Perspective projections was presented by **Dr Rajesh V G**, HOD Model Engineering College, Thrikkakara, Kochi. In the second session, **Dr. N R Unnikrishna Kartha** elaborated the State of Art Teaching Practices. In the AN session, half an hour Multiple choice Test conducted, followed by Feedback from the participants. **Dr. Anoopkumar S** HOD presided the Valedictory function and E-certificate was also distributed for the successfully completed participants.

The FDP has provided an overview of Engineering Graphics that helps the teaching community in implementing effective tools in Graphics. The program ended by advising

faculty members to continue the learning process as SCTCE is much difficult to cover all concepts in a shorter time.

Feedback / Suggestions:

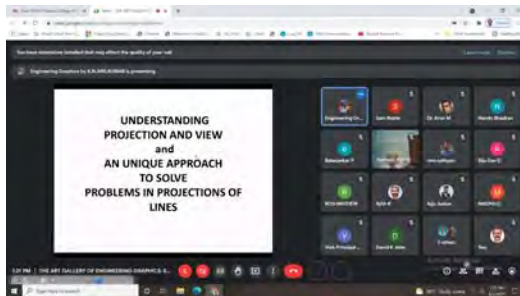
1. Satisfied with the organizing committee.
2. Conducted each sessions without delay.
3. One suggestion is that it would have ended at 3.30pm each day. Because we people from private colleges were attending it from college as most of the other faculties were from home. Anyway it was a nice experience to know that how our students feel about our online classes from their point of view.
4. Excellent conduction of programmes.
5. I feel it as a sharing of knowledge from a generation to the next.
6. Some of the topics revealed new dimensions and perspectives to the already set platform.
7. Thanks a lot for conducting this FDP especially in this pandemic time. Really I appreciate the brains and hand behind this successful venture.



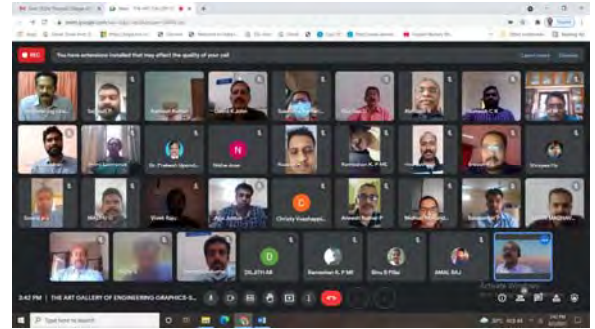
Addressing by Chief Guest **Dr. C Muraleedharan, HOD (ME), NIT Kozhikode**



Session by **Dr K. A Shafi, Professor, TKMCE**



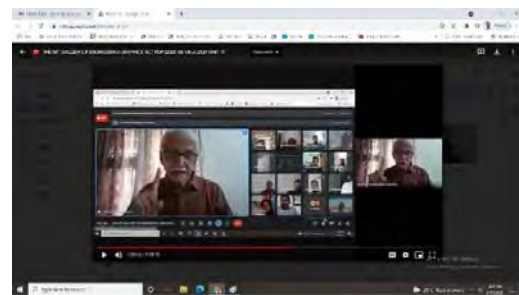
Session by **Sri. K N Anilkumar**, Associate Professor, RIT Kottayam



Presentation By Resource person



Deliberating the Isometric Projections on Day3 by **Dr. N Asok kumar, CET**



Addressing State of Art Teaching by **Dr. N R Unnikrishna Kartha**