



**G. Narayanamma Institute of Technology and Science  
(for Women)  
Shaikpet, Hyderabad**

**Name of the cell:** FDP

**Academic Year:** 2022-2023

**Name of the Program:** Online Professional Development Programme (PDP) on "Mentoring Pedagogy and Techniques for Enriched Learning Experience to Diversified (Intellectual calibres) Learners in Technical Education"

**Dates:** 22<sup>nd</sup> August - 01<sup>st</sup> September 2022

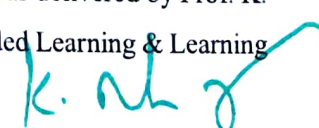
**Report of Online Professional Development Programme (PDP) on "Mentoring  
Pedagogy and Techniques for Enriched Learning Experience to Diversified Learners in  
Technical Education"**

The 10-day online professional development program on "Mentoring Pedagogy and Techniques for Enriched Learning Experience to Diversified (Intellectual calibres) Learners in Technical Education" started on 22<sup>nd</sup> August 2022 with the inaugural session. The aim of this PDP is to acquaint the faculty with ICT tools and their usage in the teaching-learning process and to redefine the role of the teacher from a mere information provider to a facilitator of learning. Dr. K.Ramesh Reddy, Principal, GNITS, Dr. K.Ragini, Coordinator of PDP, Prof. D.V.L.N Somayajulu, Director, IITDM, Kurnool inaugurated the PDP.

After the inaugural session, the first session was delivered by Prof. D.V.L.N Somayajulu on "Role of Teacher in Online Education". He discussed the teacher's responsibilities in the overall development of learners in their careers. Professor talked about student engagement and the teacher's role as a mentor in today's competitive world. He emphasized the importance of blended learning and the competencies needed for effective teaching.

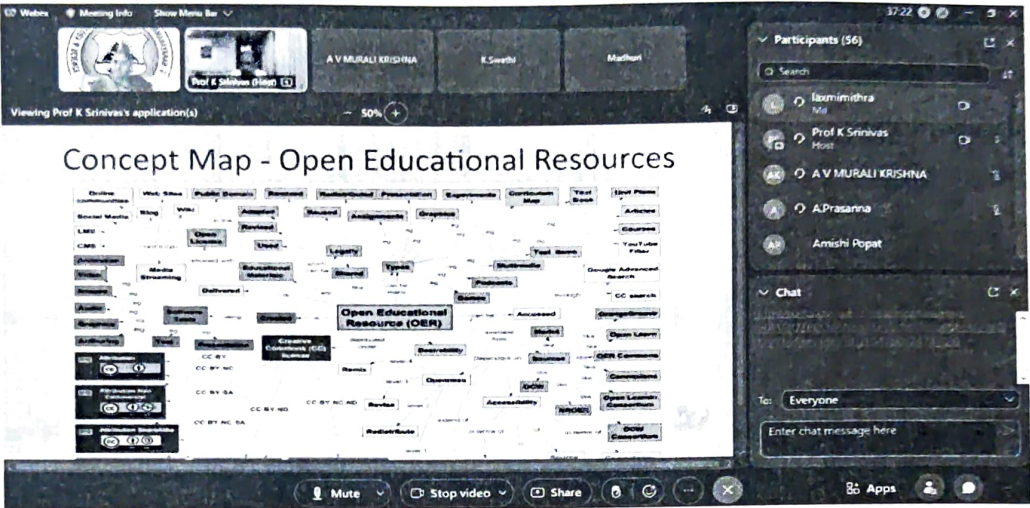
The afternoon session was delivered by Dr. I. Lokanandha Reddy, Associate Professor, HCU on "Usage of Technology for Pedagogy and Enhanced Students Learning - Animation, Digital Tools, Moodle, Google Class Room with Hands-on Experience". He focused on different methods used to deliver online lectures and explained many new concepts related to google sheets with a hands-on session.

On the second day (23<sup>rd</sup> August 2022) of PDP, the morning session was delivered by Prof. K. Srinivas, NIEPA, Delhi on "Building the Competencies of Teachers in Blended Learning & Learning

  
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Environment: A Step-by-Step Practical Approach”. He focused on how Blended Learning creates a truly integrated classroom where the needs of all types of learners can be met and how it is applied to the practice of using both online and in-person learning experiences when teaching students to keep them engaged, stimulated, and motivated.

In the afternoon session, Prof. K. Srinivas talked about “Adopting Learner-Centric Approach in Teaching & Learning”. Professor explained in detail the concept map for open educational resources. He focused on learner-centered teaching methods that shift the focus of activity from the teacher to the learners.



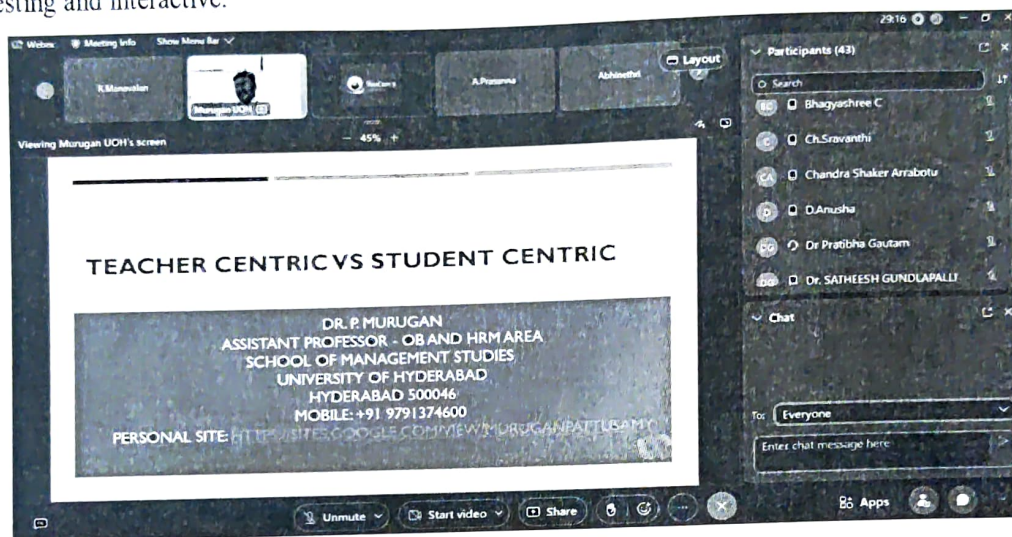
The third day (24<sup>th</sup> August 2022) of PDP started with the morning session on “Open Educational Resources - OERs” by Dr. Murugan Pattuswamy, Asst. Professor, HCU. Dr.Murugan enlightened the participants with open-source software and open textbook resources. He discussed creative common licenses, Google advanced search, and the advantages of using OERs.





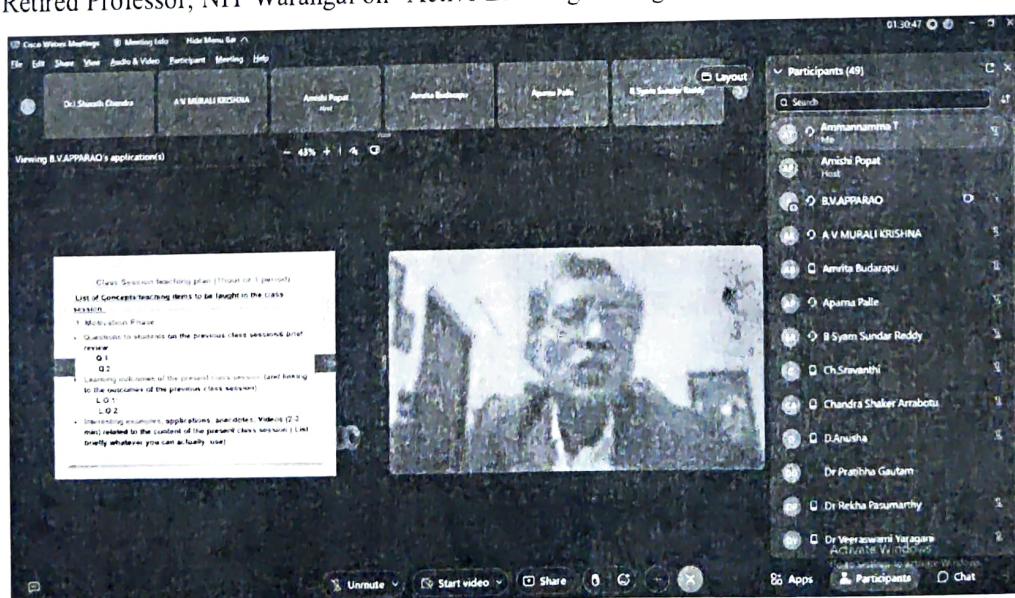
The afternoon session was delivered by Prof. B. Raja Sekhar, HCU on “Teaching for Effective Learning of Diversified Class - Flipped Class Room/Blended Learning”. Professor talked about using flipped classes and blended learning for effective learning in a diversified class.

On the fourth day (25<sup>th</sup> August 2022) of PDP, the morning session on “Learner Centric Teaching Vs Teacher Centric Teaching” was delivered by Dr. Murugan Pattuswamy. He focused on active learning and cooperative learning, inductive learning, peer-to-peer teaching, benefits, and drawbacks of teacher-centered classrooms and student-centered classrooms. The session was very interesting and interactive.



The afternoon session was delivered by Prof. DVSS Siva Sarma, NIT Warangal on “Seven Habits of Highly Effective Teachers”.

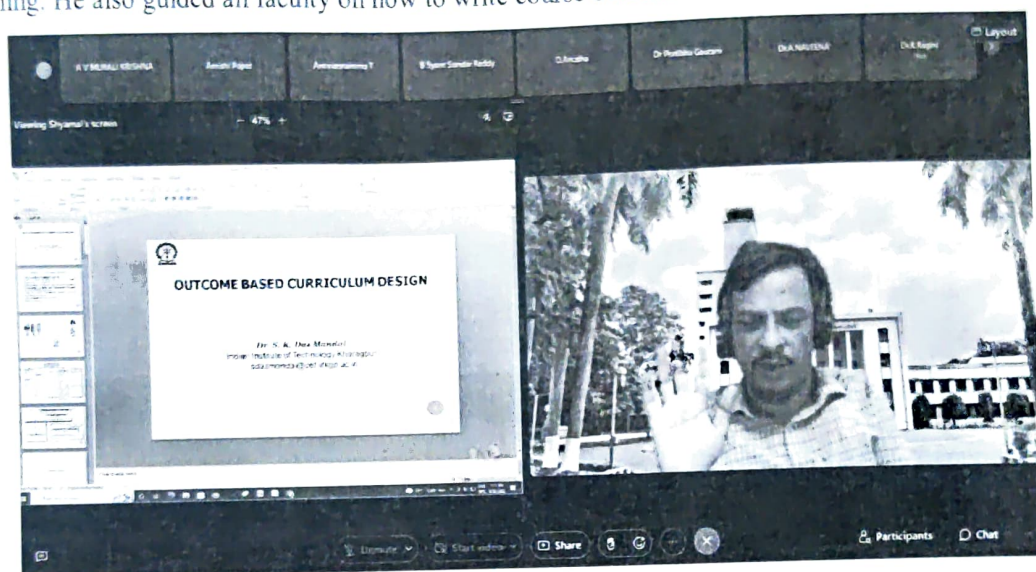
The fifth day (26<sup>th</sup> August 2022) of PDP started with the morning session by Prof. B.V.Appa Rao, Retired Professor, NIT Warangal on “Active Learning Strategies for Enhanced Learning”.



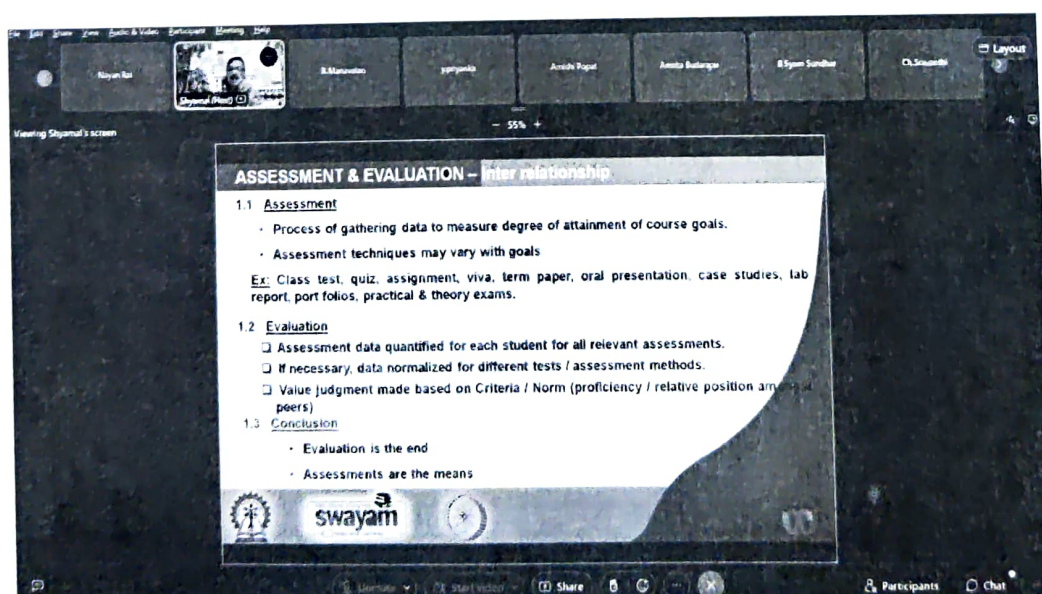


Prof. Appa Rao spoke on learning through discussion, various strategies for active learning, a new paradigm of higher education, student-centered paradigm. Professor also explained the course learning outcomes, assessment, and average retention rate.

The afternoon session was delivered by Dr.S.K.Mandal, IIT Kharagpur on “Outcome based Curriculum Design”. Dr. S.K Das Mandal focused on learner-centric approaches such as flip teaching, game-based learning, project-based learning, scientific argumentation, and blended Learning. He also guided all faculty on how to write course outcomes.



On the sixth day (27<sup>th</sup> August 2022) of PDP, the morning session on “Assessment and Evaluation” was delivered by Dr. S.K. Das Mandal. He spoke on techniques for assessment, evaluation, and attainments. Dr. Mandal focused on the process of gathering data to measure the degree of attainment of course goals.



During the afternoon session, Dr. S.K. Das Mandal spoke on “Good Teaching Attributes and Characteristics”. He talked about flipped classrooms and learner-centric approaches very well.

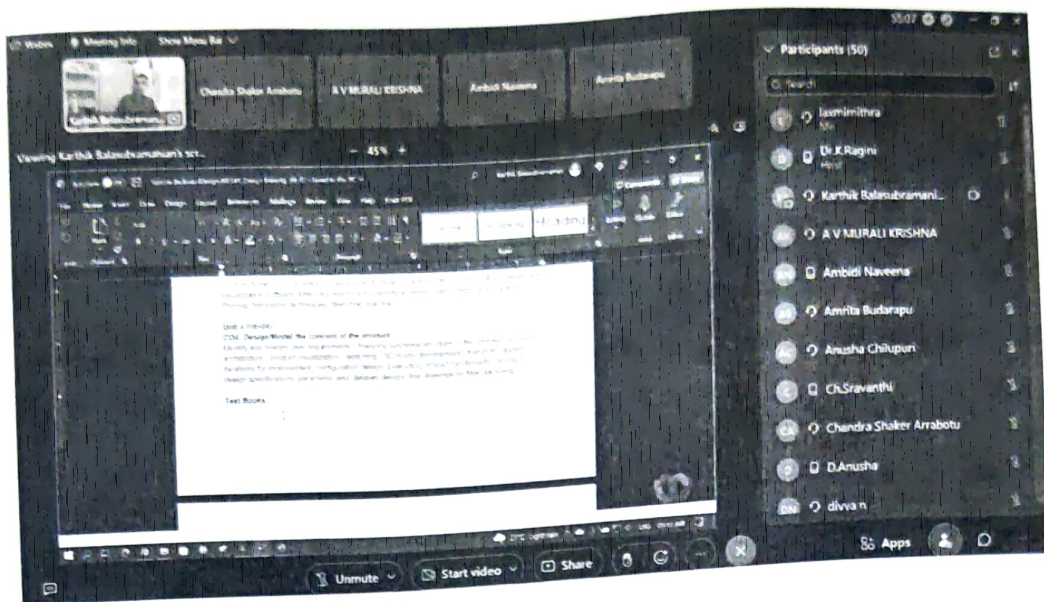
On the eighth day (29<sup>th</sup> August 2022) of the PDP, Dr. I. Lokanandha Reddy continued the session on “Usage of Technology for Pedagogy and Enhanced Students Learning - Animation, Digital Tools, Moodle, Google Class Room with Hands-on Experience”. In this session, he focused on using digital tools, Moodle platform, and Google classroom to improve teaching.

In the afternoon session, Prof. N.V.Ramana Rao, Director, NIT Warangal spoke on “Effective Teaching in Online Education”. Professor explained the challenges in education, the requirement of quality education, training and development, and teaching by doing. He also explained future trends in teaching and learning very well.



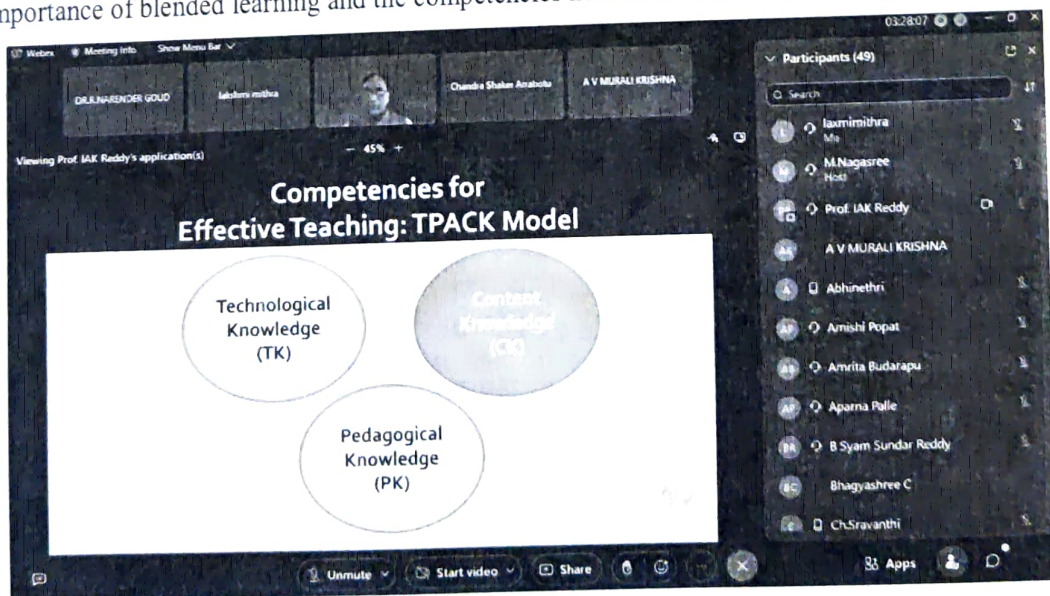
During the evening session, Dr. B. Karthik, Assistant Professor, NIT Warangal delivered a session on “Experimentation with Design Thinking to impart Higher Order Thinking Skills”. He explained how the concept of design thinking is inculcated in first-year students. Dr. Karthik explained the motto behind the design thinking concept introduced to first-year mechanical students as a part of the curriculum.





The ninth day (30<sup>th</sup> August 2022) of PDP started with the session on “Rubrics for Assessment in Project Work, Laboratory and Seminar” by Dr. B. Karthik. He discussed in detail rubrics and how these can be used for the assessment of project work, laboratory, and seminar.

The next session on that day was delivered by Prof. IAK Reddy on “Learner Engagement Strategies for Effective Online and In person Teaching”. Professor talked about student engagement and introduced different online tools such as AnswerGarden, Padlet, Mentimeter, Poll Everywhere, and offline techniques like 1-minute paper, case study method, TWPS (Think Write Pair Share), 10+2 strategy, and peer instruction to make the class more interactive and engaging. He emphasized the importance of blended learning and the competencies needed for effective teaching.





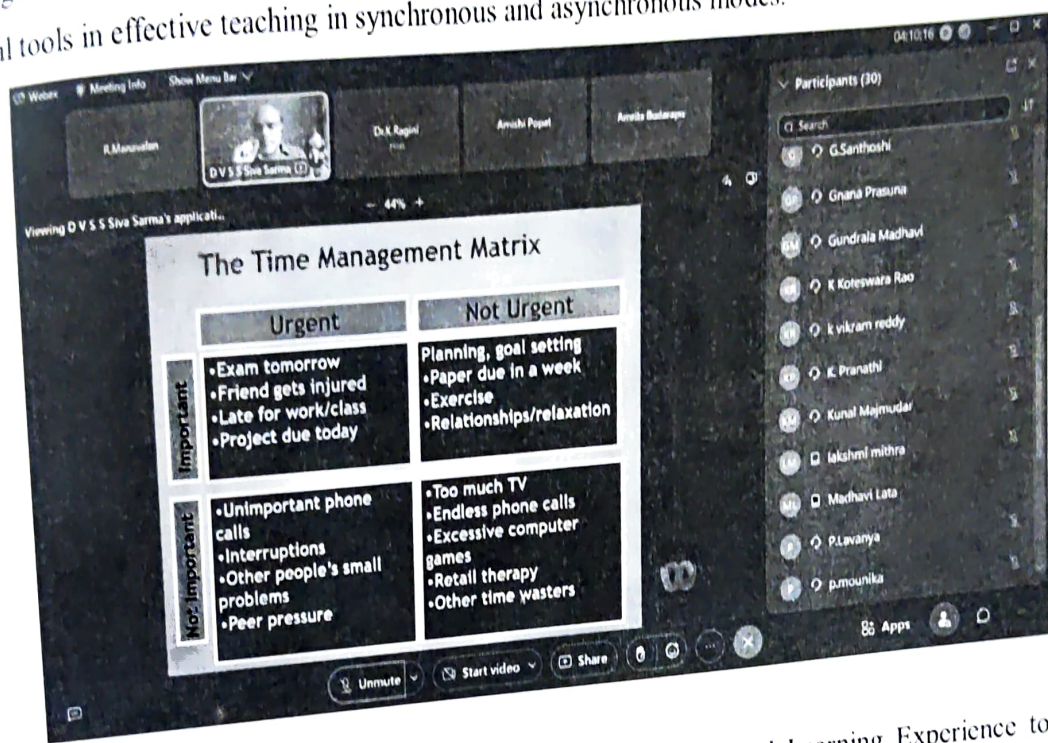
In the afternoon session, Prof. DVSS Siva Sarma continued the session on “Seven Habits of Highly Effective Teachers”. He spoke on the habits that a faculty should inculcate to become highly effective teachers.

The screenshot shows a Cisco Webex meeting interface. The main window displays a presentation slide titled "The 7 Habits of Highly Effective Teachers". The slide features a circular diagram with seven segments, each representing a habit. The habits are: 1. Be Proactive, 2. End in mind, 3. Put things in 1st place, 4. Think win-win, 5. Understand others, 6. Synergize, and 7. Sharpen the saw. The diagram is divided into three horizontal sections: Interdependence (top), Independence (middle), and Dependence (bottom). To the right of the diagram are illustrations of trees and a person. The meeting interface includes a top bar with "Cisco Webex Meetings", "Meeting Info", and "Hide Menu Bar". Below this is a toolbar with "File", "Edit", "Share", "View", "Audio & Video", "Participant", "Meeting", and "Help". A sidebar on the right shows a list of participants (46) with search and layout options. The bottom of the screen has controls for "Unmute", "Start video", "Share", and other meeting functions.

On the last day (31<sup>st</sup> August 2022) of the PDP, Prof. IAK Reddy talked about “Designing for Assessment and Evaluation for Outcome Based Technical Education”. Professor discussed the difference between assessment and evaluation. He discussed how to frame question papers using different Bloom’s levels and the qualities of a good question paper – VOBURD (Validity Objectivity Balanced Usability Reliability Discrimination). He also talked about evaluation methods.

The screenshot shows a Webex meeting interface. The main window displays a presentation slide titled "Designing for Assessment and Evaluation for Outcome Based Technical Education". The slide includes the name "Prof. IAK Reddy", his title "Professor of Chemistry (Retd.)", his role "Founding Coordinator, Teaching Learning Centre NIT Warangal", and his contact information "Mobile: 9866440460, Email: iakreddy@yahoo.com". The meeting interface includes a top bar with "Webex", "Meeting Info", and "Show Menu Bar". Below this is a toolbar with "File", "Edit", "Share", "View", "Audio & Video", "Participant", "Meeting", and "Help". A sidebar on the right shows a list of participants (41) with search and chat options. The bottom of the screen has controls for "Mute", "Start video", "Share", and other meeting functions.

The afternoon session was delivered by Prof. D.V.S.S. Siva Sarma on "Digital tools for effective teaching in Synchronous/Asynchronous Mode" He clearly explained the digital tools like menti meter, and Kahoot for effective and interactive teaching. Professor talked about the time management matrix, dos, and don'ts for effective teaching-learning strategy. He emphasized the digital tools in effective teaching in synchronous and asynchronous modes.



The PDP on "Mentoring Pedagogy and Techniques for Enriched Learning Experience to Diversified (Intellectual calibres) Learners in Technical Education" ended with the test followed by a valedictory session on 1<sup>st</sup> September 2022 afternoon. In the valedictory session, PDP coordinator Dr. K. Ragini thanked E&ICT Academy for organizing PDP in association with GNITS. The PDP coordinator also thanked all the department coordinators for the successful conduction of PDP. All the faculty participated in all the sessions enthusiastically and learned a lot from the PDP. 65 faculty from different colleges attended the PDP. There was overall positive feedback from all the sessions.

**Coordinator**