MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING
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(A Unit of Rajalaxmi Education Trust®, Mangalore - 575001)
Affiliated to V.T.U., Belagavi, Approved by AICTE, New Delhi.

Internal Quality Assurance Cell (IQAC)

Three- Days Faculty Development Program (FDP)

On

In Alignment with OBE & NEP 2020:

Approaches for Quality Enhancement

17/2/2022 to 19/2/2022

THREE – DAYS FACULTY DEVELOPMENT PROGRAMME

On

In Alignment with OBE & NEP 2020: Approaches for Quality Enhancement

Objective:

The objective of the Faculty Development Programme (FDP) is to familiarize the faculties with the concept of Outcome Based Education (OBE) with more focus on adoption and implementation of National Education Policy (NEP) 2020. OBE is a student-centric teaching and learning methodology in which the course delivery and assessment is planned to achieve stated objectives & outcomes. It focuses on measuring student performance i.e., outcomes at different levels.

In line with this, the team IQAC organized three days faculty development program for the faculty members of the various branches of the institution. The program was conducted from 17th to 19th of February, 2022.

The speakers for Three days Faculty Development Programme on "In Alignment with OBE & NEP 2020: Approaches for Quality Enhancement" were:

Dr. Pratima Khandelwal

Founder, FlyHigh (Educational Excellence Support Services), Bangalore-43,

Soft Skills Mentor, NPTEL, IIT Madras,

Former Professor & Head, Teaching-Learning Centre, GAT, Bangalore-98

Brief Profile:

Dr. Pratima Khandelwal is the Founder of FlyHigh, a MSME based educational support entity in Bangalore (UDYAM-KR-03-0002823, 2020). FlyHigh rests on capacity building initiatives for teachers and students primarily at Higher Educational Institutions (HEIs). She carries collective 21+ years of teaching, mentoring, research

and leadership experience earned at Thapar Institute of Engineering & Technology, at Patiala, Punjab, later in Bangalore at various Science and Engineering institutions under Bangalore University, Visvesvaraya Technological University (VTU) and NBA/NAAC accredited institutions.

Dr. Guruprasad Nagaraj

Professor, Dept. of Computer Science & Engineering,

NBA Coordinator,

Global Academy of Technology Bangalore - 98

Brief Profile:

Dr. Guruprasad is an experienced Professor with a demonstrated history of working in the education management industry. Skilled in Personality Development, Lecturing, and Public Speaking. Strong education professional.

The schedule of the FDP is as below:

	Date		Topic	Venue
Day 1	17-2-2022	Session 1	Outcome Based Education: Essentials & Frame Work	
		Session 2	Enhancing Teaching-Learning Outcomes: Student Centred Teaching	
Day 2	18-2-2022	Session 3	Implementation of National Education Policy (NEP) -2020; Implications for Higher Education Institutions (HEIs)	Auditorium-IV (Virtual Mode)
Day 3	19-2-2022	Session 4	Tools used for Enhancing Teaching Learning – I	
		Session 5	Tools used for Enhancing Teaching Learning – II	

DAY - 1, 17th February 2022

Brief about the event:

SESSION-1

Resource Person: Dr. Pratima Khandelwal

Dr. Pratima Khandelwal, delivered a session on "**Outcome Based Education: Essentials and Frame Work**".

Dr. Pratima started with the introduction to Outcome Based Education (OBE) and gave complete insight to the topic. Professor in her session explained that in the era of globalization, traditional education system is losing its relevance. In today's world, everything changes very rapidly and continuously. More skills are required to work with very fast developing technology. The educational institutions should produce graduates to cope with technological development. Thus, to overcome the requirement, it is mandatory to shift from traditional education system to Outcome Based Education (OBE), which includes Course Outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes (PSOs).

She explained about deficiencies of traditional educational system and also gave an idea about how OBE can overcome these deficiencies. The speaker highlighted that OBE is a flexible, empowerment-oriented approach to learning. It aims at equipping learners with the knowledge, competence and orientations needed for success after they graduate. Hence its guiding vision is that of a competent future citizen. Success at education institution level is of limited benefit unless learners are equipped to transfer academic success to life in a complex, challenging, high-technology future.

She gave inputs on how OBE framework can be implemented with the following components

Vision and Mission, PEOs, COs – POs /PSOs

Dr. Pratima touched upon the topics, Program Educational Objectives (PEOs), Program Outcomes (POs), OBE Framework mappings, OBE Assessment and Attainment of Outcomes.

The speaker concluded the session by effectively answering the queries raised by the participants on the topics covered during the session.

DAY - 1, 17th February 2022

Brief about the event:

SESSION-2

Resource Person: Dr. Pratima Khandelwal

Dr. Pratima Khandelwal, delivered the session on "**Enhancing Teaching-Learning Outcomes: Student centred Teaching**".

In this session the resource person shared some important techniques of Active Learning/ Student Centric Teaching.

They are:

- Interactive/ Participative Learning
- Cooperative group learning (Collaborative learning)
- Problem Based Learning (for numerical based courses)
- Active Lab classes for learning theoretical concepts
- Flip Method of Teaching (Flip Learning)
- Blended/ Hybrid Learning (Online/ offline together)

The speaker highlighted that for the outcomes/ learning, students (learners) are responsible. For this reason, they need to open to learn and earn knowledge beyond seeking only marks, participate in development of self, space and evolve the associated ecosystem; collaborate with positive attitude than compete in all academic activities; enhance personality – soft skills, agility, develop Emotional Intelligence (EI) and wear green attitude.

She gave suggestions on how to involve students in active learning by giving them presentations, Real time case study analysis sessions/experimental learning, Role plays in classrooms, learning in blended environment, Simulation based hands on experience, Quizzes/Crosswords/MCQs/Live demos, Conference participation and presentation by students etc.

The session continued with interesting discussion about 5Cs (+) vs 5Cs (-).

At the end of the session, the resource person concluded with satisfying answers for the questions from the participants which ended up as an interactive session.

DAY - 2, 18th February 2022

SESSION-3

Resource Person: Dr. Guruprasad, Professor & NBA Coordinator, Global Academy of Technology Bangalore - 98

Dr. Guruprasad, delivered a session on "**Implementation of National Education Policy-2020 Implications for Higher Education Institutions**".

The speaker highlighted that National Education Policy (NEP) - 2020 is a Union Cabinet of India approved new educational vision of India for a new and better educational system. The main aim of this implementation is to set a new framework and shape the education system and the student's education, aspirations and quality of life. This is a student-centric effort to not just provide education but to develop them for the society and organization at the same time.

Dr. Guruprasad started briefing about the implementation of NEP by explaining the challenges faced by higher education in India. He emphasized the need and care with which NEP is created by keeping the various challenges in mind such as fragmented educational eco-system, lesser emphasis on cognitive skills, rigidity in discipline separation, limited teachers, and institutional autonomy and so on. As the major implications of NEP or the core functions are Teaching, Research and Extension/Services.

Under Teaching, the major focus is given on Multidisciplinary and holistic learning for students by enabling choice and flexibility in their subjects, student-centric pedagogy by incorporating innovative ideas in the course of curriculum.

Under Research Implication, a research-based learning should be prioritized. He emphasized on making the learning more research and collaborative based. In order to accomplish this, we need to come up with multidisciplinary courses with specializations which help in learning research and practical applications of the same.

Under Extension/Services, the approach of NEP is to not just develop the student as an industry or corporate personality but also as a responsible citizen of the country, by creating a sense of responsibility towards the society in which they live.

Dr. Guruprasad stated that the outcome is to have a better understanding of NEP 2020, look into societal problems with a perspective based on human values and inculcate some of the leadership skills that are required at every walk of life.

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DAY - 3, 19th February 2022

SESSION-4

Resource Person: Dr. Pratima Khandelwal

Dr. Pratima Khandelwal, delivered a session on the topic "**Tools used for Enhancing Teaching Learning - I**".

In this session the resource person introduced two tools which can be helpful for the teachers in their teaching process. The link for the same was shared by the resource person and the participants could access it using their devices.

During the session-4, the tools explained were '**Slido'** and '**Menti'**, the links for the same are given below:

https://app.sli.do/event/eebSsCvMHhRinPdb7Qz7DW

https://www.menti.com/scfrjxz1yr

Slido helps the instructors give every student a voice, and overcome their fear of speaking up. As a result, educators can identify unclear areas and improve their delivery and presentation skills.
Dr. Pratima explained the 3 main benefits of using the tool 'Slido'.
1. Giving a voice to all students
2. Storing the data in one place
3. Using the insights to shape the curriculum

The second tool about which Dr. Pratima shared her knowledge was 'Menti'. She explained the benefits of online teaching using Mentimeter. Even if students are not able to attend class in person, Mentimeter allows them to continue learning in an engaging and interactive manner. Mentimeter enables you to:

- Engage with students using live polls, word clouds, quizzes, multiple-choice questions and more

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- Track learning and understanding by asking questions and downloading results
- Communicate and interact with students
- Stay up-to-date with the teaching syllabus
- Enable Q&A so that queries and questions can be discussed, explained and clarified

During the session Dr. Pratima conducted quiz and puzzles using these tools which helped the participants to get to know more about these tools.

SESSION- 5

Resource Person: Dr. Pratima Khandelwal

Dr. Pratima Khandelwal, delivered a session on "**Tools used for enhancing teaching learning – Session II**".

In this session the resource person introduced two more tools which can be helpful for the teachers in their teaching process.

During the session-5, the tools which she explained were 'Canva' and 'Padlet', the links for the same are given below:

https://www.canva.com/design/DAE4uuVSGC8/share/preview?token=F51o9nZnS0IH3gqdUMlGmA&role=EDITOR&utm_content=DAE4uuVSGC8&utm_campaign=designshare&utm_medium=link&utm_source=sharebutton

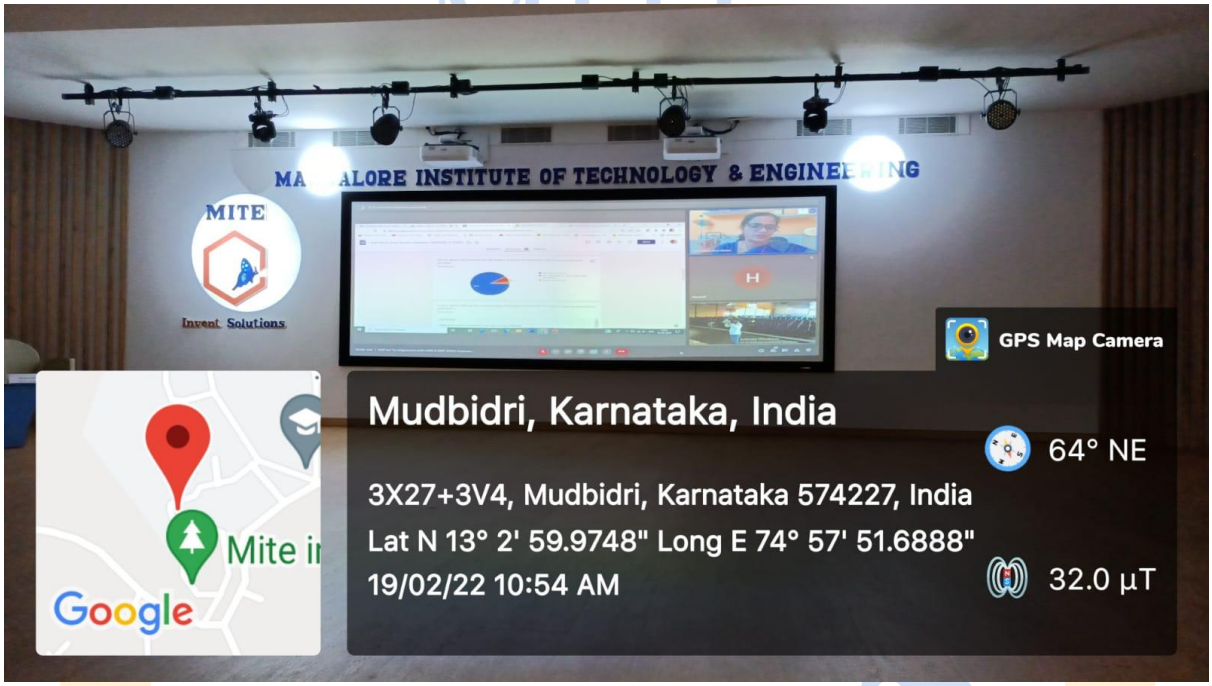
https://padlet.com/pratima2k1/hegp0m3rqsbpcfva

The speaker gave demo on usage of these tools in teaching process with some activities for the participants.

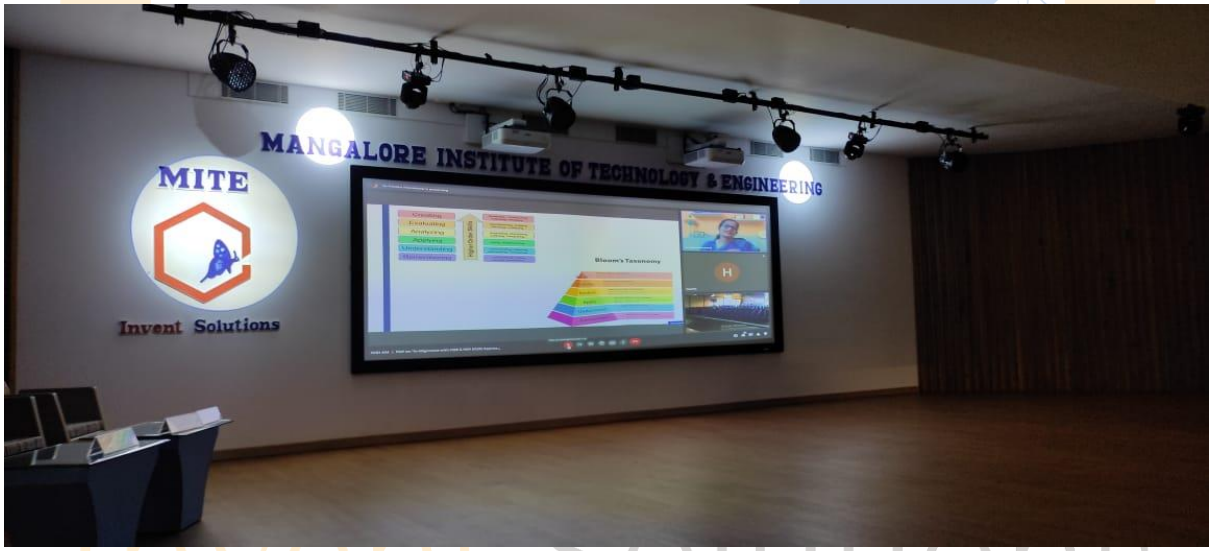
One of the best things about Canva is that it allows us to take visual learning to a new level. Students and teachers can become "design thinkers," which means we can become skilled at imagining and creating solutions to problems rather than identifying existing ones.

Padlet is a digital tool that can help teachers and students in class and beyond by offering a single place for a notice board. That's at its most basic. This digital notice board is able to feature images, links, videos, and documents, all collated on a "wall" that can be made public or private.

Session Photographs:

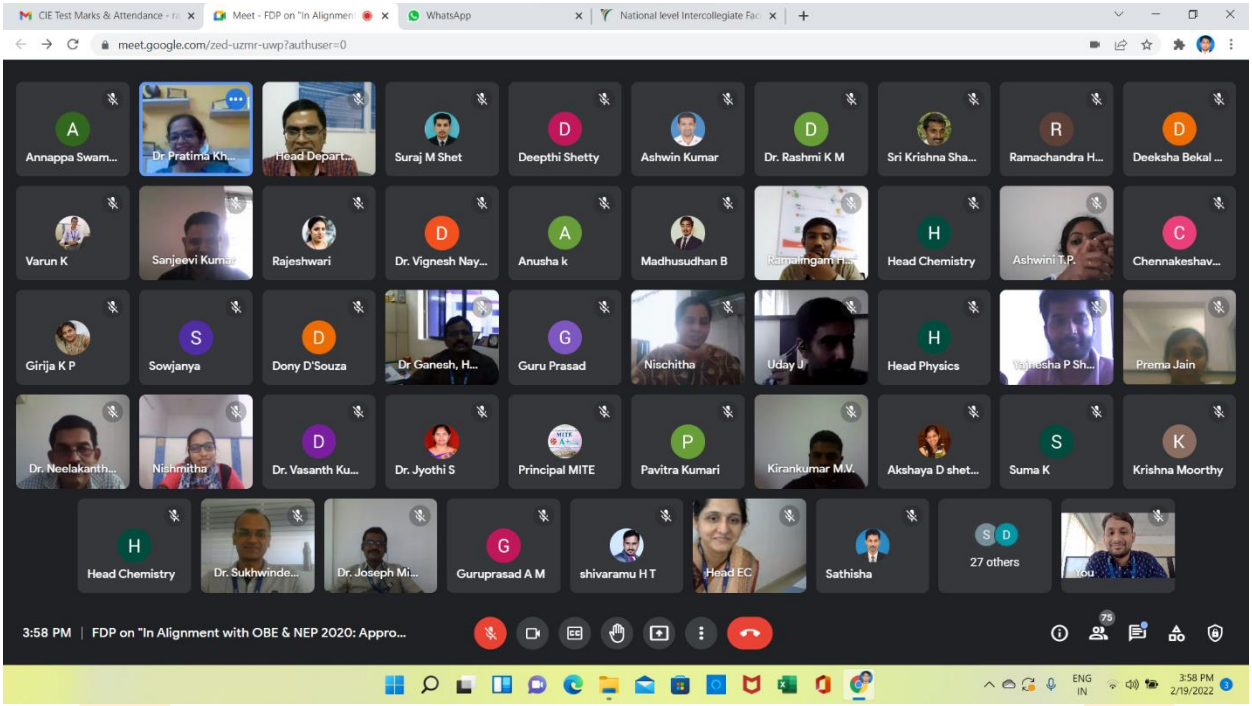


Session on “Tools used for Enhancing Teaching Learning – I”.

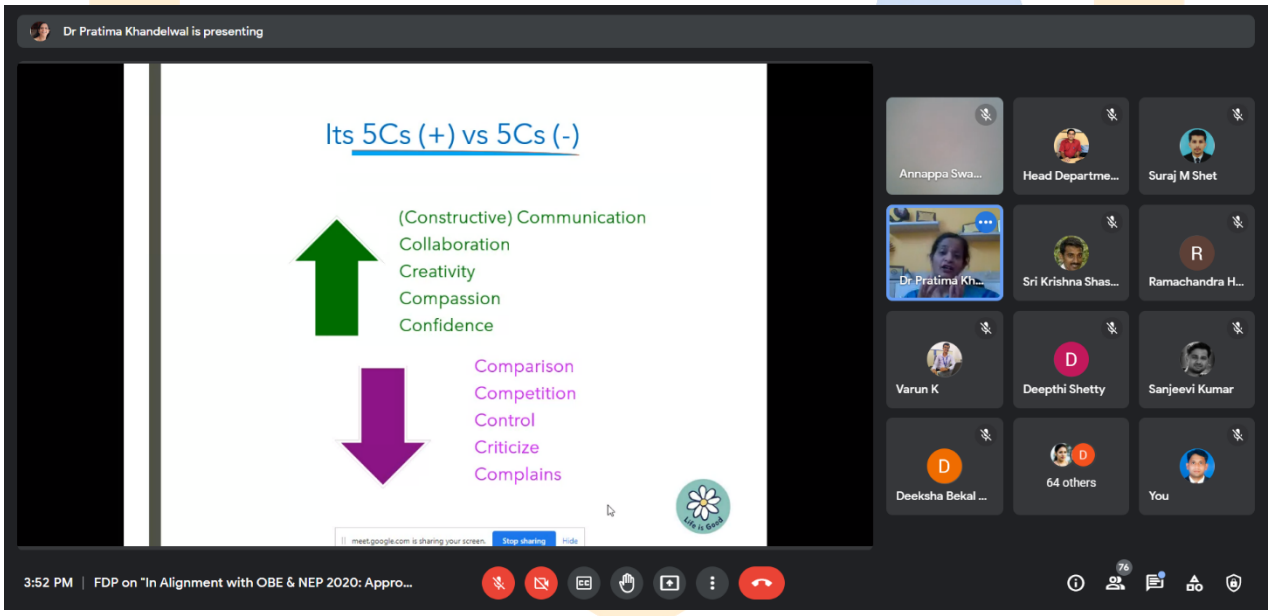


Session on “Outcome Based Education: Essentials & Frame Work”.

Photographs of Interaction Session



Interactive Session on "Tools used for Enhancing Teaching Learning – II".



Interactive Session on "Enhancing Teaching-Learning Outcomes: Student Centred Teaching".

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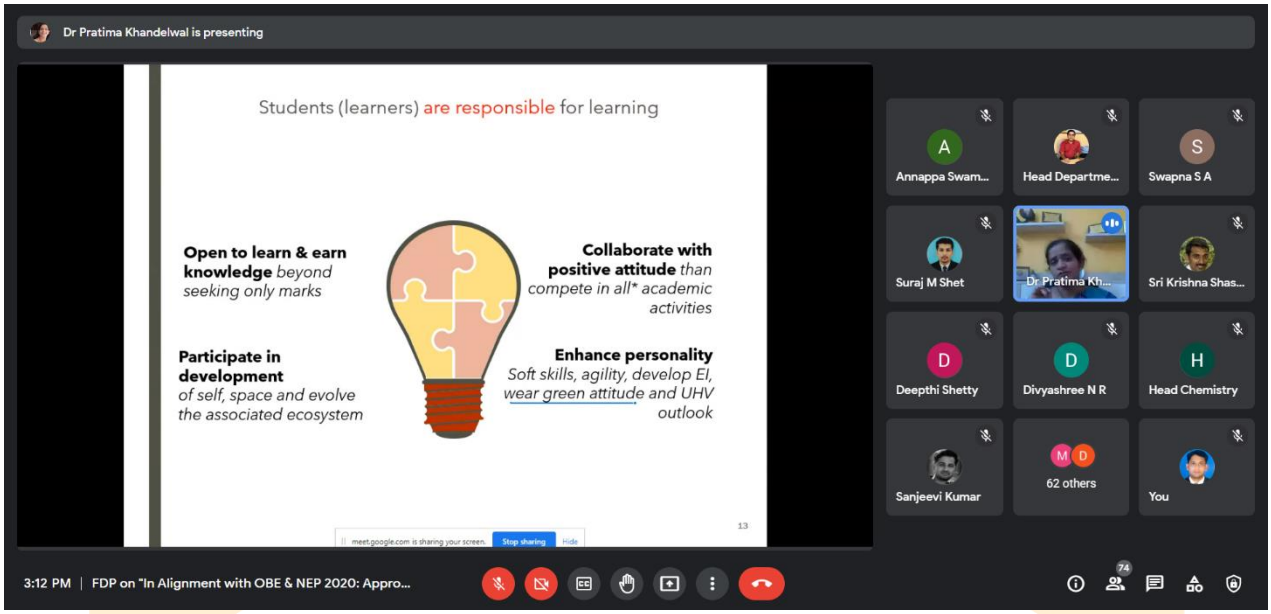
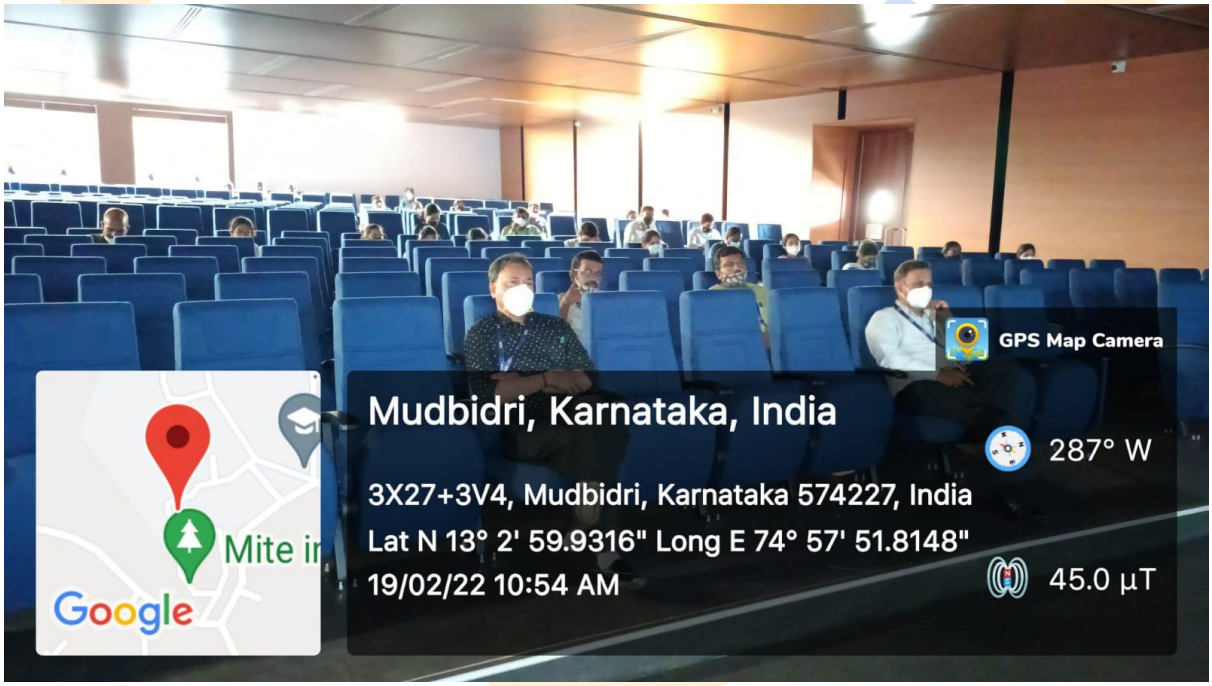


Interactive Session on "Enhancing Teaching-Learning Outcomes: Student Centred Teaching".



Interactive Session on "Tools used for Enhancing Teaching Learning – I".

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A total of 95 faculty members registered and got benefited from this FDP. Prior to the program as a pre-requisite, registered faculty members were asked to refer few handouts on OBE. As pre-FDP survey participants were invited to fill up a customized google form, for which a good response was received. Reflections & Learning Outcomes of the program in the form of feedback were documented and summary is attached with this report.

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