

MHRD- TEACHING LEARNING CENTRE
UNIVERSITY OF CALICUT
REFRESHER COURSE 3 ON ‘CURRICULUM DESIGN,
DEVELOPMENT AND ASSESSMENT’

03-16 FEBRUARY 2021

DAY 1 (03.02.2021)

The third online refresher course on ‘CURRICULUM DESIGN, DEVELOPMENT AND ASSESSMENT’ for science faculties organized by MHRD-TLS, Dept. of Education, Uni. Of Calicut from 3rd February to 16th February began with inaugural function at 10.00AM on 03/02/2021. The refresher course was inaugurated by the Hon’ble vice Chancellor of Calicut University Dr. M.K. Jayaraj and the inaugural session was presided over by Prof. Dr. Meera , Head of the Dept. Education, Uni. Of Calicut. The inaugural session was followed by an introductory session lead by Dr. K.Abdul Gafoor, Professor, Dept. of Education, Calicut university. Sir gave a brief description on the mission and objectives of TLC and the programmes offered by TLC. The course objectives included getting acquainted with learning outcomes based on curriculum framework and collective reflection on emerging content of higher Education, globally and nationally. The participants were informed about the general guidelines to be followed during the course and the activities to be completed for fulfilling the requirements of the course. Sir emphasized that assessment together with teaching learning activities only will bring out the intended learning outcomes.

Dr. P. Mohan, Rtd. Professor & former Pro Vice – Chancellor of Calicut University handled the third session of the day. The talk was on ‘CONTEXT OF HIGHER EDUCATION IN INDIA’. He said that social, political and economic aspects influence higher education and the trends and challenges of education in the present scenario can be achieved only through curriculum development that satisfy the needs of the society. The teachers have a major role in curriculum development and have to identify and design a curriculum that not only satisfy social needs but also improve the employability of the graduates.

The last session on ‘LEARNING MANAGEMENT SYSTEM PLATFORMS’ by Dr. Ashkarali P., Asst. Professor, Dept. of Electronics, Govt. Arts and Science College, Tanur covered the changing learning methods and the

challenges faced during the blended learning. LMS focuses on web based digital learning platform to manage, plan, implement and assess all aspects of learning. He discussed about the popular learning platforms and their roles in modern education. The participants were introduced to be learning platform to be used by the participants during refresher course. Each session was followed by an interactive session with the resource person.

The coordinator instructed the participants to complete the activities within the time allotted. The effort taken by Gafoor sir, Majeed sir and TLC team for the smooth conduct of the sessions and the effective time management of the programme invites special mention.

Day 2 (04/02/2021)

The first session of the second day was started at 10:00 A.M. by Dr. Abdul Gafoor Sir, Professor Department of Education, University of Calicut and he explained about the relevance of Bloom's taxonomy in the context of Higher Education and discussed the three different domains of learning such as cognitive, affective and psychomotor domain and he also explained the different levels of thinking, the session was very much informative and interesting. He managed the session by ensuring the active participation of all.

The afternoon session started at 1:45 p.m. by Dr.Edamana Prasad, professor IIT Madras. He discussed about the important aspect of outcome based education, he pointed out that the outcome based education has been focusing on the process not on the outcome. In that session he discussed the effective teaching strategies and various teaching methods like Book End Lecture approach, Peer instruction method, etc. The session energized and motivated the participants so vehemently that, clear outlook was developed to deal with the students and to monitor and handle a classroom activity

Day 3 (05-02-2021)

On the 3rd day, resource person for the first session was, DrNoushad P. P. Associate Professor, School of Gandhian Thoughts and Development MG University. He spoke on the topic, introduction to Curriculum Development. He discussed the present classroom teaching, many challenges in it, teacher-pupil relationship, learner centrist, infrastructure, cognitive load. He stressed on the 'digital divide' between the present-day learners and teachers. He emphasized

on different topics like the four pillars of learning and different modes of transactions.

The second session's resource person Dr. Rajan Varugeese, member secretary, Kerala State Higher Education Council, talked about the changing higher education scenario in Kerala. He discussed the gross enrollment ratio, GER, on higher education in our society. He opined that higher the GER, better would be our human resource development. He also detailed on the execution of the same by the university in the present day scenario.

The 3rd and 4th sessions were handled by Dr. Shakila T. Shamsu, former OSD, New Education Policy, MHRD, Govt. of India, New Delhi. She discussed about future goals of higher education in the light of NEP 2020 reforms. She talked about the five different goals that ensure quality education. She opined that if quality education is ensured to the youth, our country will undergo a large scale development.

Day 4 (06-02-2021)

The 1st and 2nd sessions of the day were handled by Dr. BIJU K, Assistant Professor, Central University, Tamil Nadu. His talk during the 1st session was on the topic of "Integrating Technology in Higher Education". He focused on areas like Pedagogy, Networking, Digital information, Media literacy, Ownership, Types of Instructional Design Models, Issues related to Integrating Technology in Higher Education. The session ended at 11.20 am and the 2nd session started at 11.35 am.

In the 2nd session, Dr. BIJU. K introduced two Authoring & Mapping Tools. The first one, Visual Understanding Environment (VUE), allows the user to create flexible concept mapping. Using link words, we can link the concepts and sub-concepts. Also, we can add images, website links, and media links to the nodes created. The second tool is "eXe learning". It is a content authoring software which can be used to create HTML pages even if the user has no prior knowledge of HTML coding. This tool also allows us to add texts, multiple-choice questions, images, and media directly onto the page we create.

The 3rd and 4th sessions of Day 4 were handled by Dr. SAJAN K S, Associate Professor, NSS Training College, Palakkad, Kerala. During the course of the two sessions, Dr. SAJAN Sir introduced the topic of

“Techno-Pedagogy Tools for Curriculum Transactions and Video Content Preparation”, which included useful tips on how to take a screenshot of the participants in a Google Meet workshop, how to use the whiteboard application Jam-board in Google Meet. We were also made familiar with tools like Open Board, One Note, Wacom digital board, Yaw Cam, GoogleDocs, Near Pod and Mentimeter. After that he demonstrated how to record videos using PowerPoint, Open Board, Screencast Matic, and OBS studio. He also showed us how to record videos on mobile phones using the application AZ Screen Recorder, and explained how to edit the recorded videos using the application KineMaster.

Day 5 (08-02-2021)

The first session was on the topic “Learning from learner perspective”. Dr. P. P. Noushad of MG University handled the session. Major difference between teacher centric and learner centric curriculum has been discussed.

Second session started from 11.30 am on the topic “Assessment in Teaching and Learning” delivered by two eminent faculties Dr. N. S. Mumthaz and Dr. K Vijayakumari from Feroke Training College. Difference and needs of Formative and summative assessments were discussed.

In the afternoon Dr. A. R. Ramesh, Assistant professor from Govt. Victoria College Palakkad was the resource person. He introduced many tools for the assessment in higher education, like Loom, Kahoot and weebly.

Day 6 (09-02-2021)

The resource person of the first session of the day was Dr. Prof. Vasudevan Pillai, Rtd. Professor of Physics, N. S. S. College, Ottappalam. The topic was ‘Higher Education – a responsible tool for sustainable development goals’. He started the class with a popular proverb ‘No one can do everything, but everyone can do something’. Throughout the class the speaker motivated the participants to do local actions for global environmental issues. He reminded teacher’s responsibility to modify the attitude of students into a more environment friendly pattern. Out of the 17 goals framed by United Nations for achieving sustainable development 2 were discussed in detail. It was an unusual segment in our usual package of classes, dealing a globally relevant topic.

In the afternoon session a team of 2 Professors from Farook Training College Dr. Mumthas N. S. and Dr. Vijayakumari K handled a class on role of Rubrics in assessment. Many of us are new to the topic. Dr. Mumthas discussed

the tips for making assessment in a learner friendly manner. Dr.Vijayakumari explained the graphic organisers. Rubrics offer a better platform to add different criteria for student assessment. The concept was well explained by Dr.Mumthas teacher. It can improve the learning environment by knowing students individually and can assess their progression in the knowledge level gradually. The advantage of Rubrics is its flexibility in planning goals. Dr.Vijayakumari teacher dealt the assessment part, focusing the sequential development of task, criteria, level of performances, score and descriptors. Additionally an assignment was instantly given to the trainees and few participants submitted their response and discussed with the resource persons.

Day 7(10-02-2021)

In the first session, Dr.Amirth G Kumar, Professor, Central University of Kerala was the resource person. He discussed the topic, “Quality concepts in curriculum constructions”. He explained the origin of ‘Total quality management.’ He also spoke about how Japanese recaptured the trade market after world war.He discussed quality concepts in global, national and state levels.

In the 2nd session, the resource person,Dr. Baby Shari Professor & Head, Department of Psychology, University of Calicut, discussed the topic “Open Book Exam”.She well explained about, how to conduct an open book exam and what are the instructions to be provided about an open book exam.

In the afternoon, 3rd session was by Prof.Gopinathan, Associate professor, Department of Biotechnology, University of Calicut. Gopinathan sir handled the title “Why patent/ Intellectual property rights be included in the curriculum”. He pointed out the benefits of IPR.

4th session was a continuation of the topic “How to use learning management system”. Dr.Ashkarali P managed the topic “ How to do interactive assessment in an interesting way.

Day 8 (11-02-2021)

The Forenoon session lectures were delivered by Dr.Muhammedunni Alias Musthafa, Professor, Department of Education, Central University of Kerala. His first lecture was about Curriculum Design: Process and Approaches and second lecture was on Teaching Learning Trajectory for Higher Education.

Both sessions were very informative, and he discussed the points in a very legitimate manner.

The 3rd session was given by Dr. Rajan Thomas Junior Research Officer, EMMRC, University of Calicut on SWAYAM and MOOCs as a part of Curriculum, He fabulously explained the SWAYAM and MOOCs platforms.

The 4th session of the day was given by Dr. C. Naseema, Professor, Department of Education, University of Calicut. Assessment in Higher Education was amazingly described by Dr. C. Naseema.

Day 9 (12-02-2021)

The first session was dedicated for presentation by the participants on a topic related to curriculum and assessment specific to their discipline like Scope of E-learning in plant systematics, Molecular spectroscopy, Benefits of implementing entrepreneurial courses in colleges, Lack of interdisciplinary approach in mathematics curriculum, An Adaptive Integrated eLearning System for Enhanced Learning through Artificial Intelligence, 5 E learning model, The challenges and goals of assessment in education with reference to Statistics, listing of outcomes of human physiology, biochemistry and endocrinology.

The presentations were group presentation consisting of two to five participants and as such there were eight groups which was done under the supervision of the Co-Ordinators.

The second session was open for cultural programmes by the participants. We had a group song by the Vimala college team, amazing violin performance by SanalkumarS, Assistant Professor of Instrumentation, NSS College ,Nenmara, and Solo singing performance by teachers from various colleges.

All the performances were laudable and everybody enjoyed

Day 10 (15 -2-2021)

The first session started at 10.00 am on the topic “Strategies for Inclusive Education”. The resource person was Dr. Habeeb. C. Assistant Professor, Department of English, Farook College, Calicut. He discussed about the strategies, that should be adopted in educational institutions to meet the demands of differently abled individuals

The second session started at 11.30 am on the topic “Developing life Skills Through Curriculum”. The speaker Dr. A.Hameed, Assistant Professor, Department of Education, University of Calicut, discussed about the skills to be developed through the curriculum, the importance of life skills etc.

The third session started at 1.30 pm on the topic “Innovative trends in education technology”. . The resource person was Dr. Vivek P, Assistant Professor, Department of Computer Science, University of Calicut. He discussed the history of development of Learning Management systems, advancements in the self learning technologies upto artificial intelligence etc.

The fourth session started at 3.00 pm on the topic “Peer and Self Assessment”. Dr. Sameer Babu Assistant Professor, Department of Education, University of Kerala, discussed models of evaluation, self assessment plan institutions, teaching and learning process.

The first session was handled by Dr. M. Manoharan, Professor from the Department of Statistics of University of Calicut and the Syndicate member on Role of IQAC in curriculum Development. He discussed the NAAC proposal on framing IQAC in each Higher Education Institution, Functions of IQAC, the ways to achieve excellence for HEIs etc.

Second session of the day was by Dr. Jose T. Puthur on the topic Integrating research and Development in Higher Education Curriculum. Jose sir discussed about the problems that is pertaining to the research development, the areas to be focussed by Higher Education Institutions to expand research; about research teaching.

In the afternoon, there was a Course end evaluation by the participants. It was moderated by Dr. C. Abdul Majeed Sir, Director, MHRD- TLC. The participants conveyed their experience in the refresher course.

The valedictory speech was by Dr. C. C. Babu sir, the Controller of Examinations of University of Calicut. By his words he tried to motivate the teacher participants to stick on to their responsibilities to ensure overall development of the students.