

<p align="center"><b>School of Pedagogical Sciences (SPS), Mahatma Gandhi University (MGU)</b>  organises a <b>five-day High-End Workshop</b> for M.Ed. 2020-22 Batch students in <b>Blended Mode</b> for familiarising ideas of industry experts and academicians for fulfilment of the <b>Core course: 'Information and Communication Technology in Education'</b>  <b>Dates: 8<sup>th</sup> to 15<sup>th</sup> April, 2021</b></p>		
<b>Date &amp; Time</b>	<b>Technical Sessions</b>	<b>Practical Sessions</b>
<b>Day 1, Thursday</b> <b>08-04-2021</b> 9.30am to 10 am  10am to 1pm  2pm to 5pm	Registration <b>Inaugural Session</b> Inauguration: <b>Prof. (Dr.) Sabu Thomas,</b> <b>Hon. Vice Chancellor, MGU</b> <b>Session 1</b> Topic: ICT integrated Transactional Strategies ( <b>Dr. KS Sajan, NSS Training College, Ottappalam</b> )	<b>Session 2</b> Hands on experience: ICT Integrated transaction using Digital Storytelling-deconstructing digital stories using images and videos ( <b>Dr. KS Sajan, NSS Training College, Ottappalam</b> ) <b>Session 3</b> Hands on experience continues ( <b>Dr. KS Sajan, NSS Training College, Ottappalam</b> ) <b>Group Discussion &amp; Presentation by Students</b>
<b>Day 2, Friday</b> <b>09-04-2021</b> 9.30am to 10am  10am to 11.30am  11.30am to 1pm  2pm to 3.30pm  3.30pm to 5pm	<b>Assignment presentation by students</b>  <b>Session 4:</b> Topic: ICT Resources for Classroom Purposes ( <b>Prof. Vinod Chandra, University of Kerala</b> )  <b>Session 6:</b> Topic: Pedagogic Designs for ICT Supported Education- teacher centred and Learner centred Models ( <b>Dr Sandhya Kattayat, HCT, UAE</b> ) <b>Group discussion</b>	<b>Session 5:</b> Topic: Technological Devices to Augment Cognitive abilities ( <b>Dr George Varghese, MTTC</b> )  <b>Session 7:</b> Hands on experience: Pedagogic Designs for ICT Supported Education- Active Learning, Collaborative Learning, Creative Learning, Integrative Learning and Evaluative Learning ( <b>Dr Smitha Josey, HCT, UAE</b> )
<b>Day 3, Monday</b> <b>12-04-2021</b> 9.30am to 12.15 pm 12.15pm to 1pm  2pm to 4pm  4pm-5pm	<b>Session 8</b> Topic: Selection and Identification of Innovative ICT Resources ( <b>Team, EMMRC Calicut</b> ) <b>Session 9:</b> Topic: Criteria for selecting ICT resources <b>Open Discussion on the Topic</b>	<b>Session 10:</b> Hands on experience- Moving beyond the course books with ICT ( <b>Team, EMMRC Calicut</b> ) Experience sharing Collecting information from the Internet, OER repositories ( <b>Team, EMMRC Calicut</b> )

Day 4, Tuesday 13-04-2021 10am to 11 am 11am to 12 noon	<b>Session 11</b> Topic: ICT in Assessment and Evaluation (Dr. Muhammed K.V. & Dr. Sibu G. Netto, SPS, MGU)	<b>Session 12</b> Hands on experience- Constructing tests and Quizzes, managing data, keep track of student achievement  <b>Session 15</b> Hands on experience- use of Reference Management soft wares (Dr. Vimal Kumar V, MGU Library)
12noon to 1pm	<b>Session 13:</b> Topic: ICT in Education- legal and Ethical issues, Copyright, Plagiarism (Dr. Divya Senan, University of Kerala)	
2pm -3pm	<b>Session 14</b> Familiarising Citation Tracking, Reference Management, IPR, plagiarism, Creative Common Licence etc. (Dr. Vimal Kumar V, MGU Library)	
3pm to 4.30pm 4.30pm to 5 pm	<b>Panel Discussion</b> (participants)	
Day 5, Thursday 15-04-2021 9.30 am to 10.30 am 10.30am to 11.15am 11.15am to 12.30pm 12.30pm to 1pm 2pm -4pm 4pm to 4.30pm 4.30pm to 5 pm	<b>Session 16</b> Topic: Role of ICT in Educational Administration and Management (Dr. Sameer Babu, University of Kerala)  <b>Session 18</b> Topic: Harnessing Open Educational Resources (OER) for effective Learning (Prof. Senthilnathan, Bharathidasan University)  <b>Session 20</b> Cyber Security Measures- Hacking, Netiquette, Phishing, software Privacy, Health hazards, misuse of Internet, Child Abuse etc. (Cyber Cell, Kerala Police)  <b>Valedictory Session</b>	<b>Session 17</b> Hands on experience-LMS (Dr. Sameer Babu, University of Kerala)  <b>Session 19</b> Hands on experience-Graph and Document editing (Prof. Senthilnathan, Bharathidasan University)  Feedback from students

Head of the Department

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Faculty Felicitators

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**School of Pedagogical Sciences, Mahatma Gandhi University, Kottayam, Kerala**  
**Report of the *High-End Workshop on 'ICT in Education'***  
**Dated: 8-15 April, 2021**

“If we teach today as we taught yesterday, we rob our children of tomorrow” - John Dewey

The 21<sup>st</sup> century can be named as the age of technology. Technology has made a tremendous impact on every walk of our life. And the field of education is not an exception. The covid-19 pandemic has accelerated the pace of technology in the field of education. If technology was just an embellishment to make the classes attractive earlier, now it has become a necessity and classes have become online everywhere. The knowledge about utilizing information and communication technology has become a basic requirement for teachers to conduct their classes and for learners to make their learning effective.

The School of Pedagogical Sciences, Mahatma Gandhi University, took the initiative to conduct a workshop to equip the teachers of tomorrow in handling the information and communication technology and pursue their career in the most fruitful manner. The workshop, High End Workshop on ICT in Education was conducted from 8<sup>th</sup> April 2021 to 15<sup>th</sup> April, 2021. The workshop was inaugurated by Prof. (Dr.) Sabu Thomas, Hon. Vice Chancellor of Mahatma Gandhi University. In his inaugural address, he talked on the necessity of applying ICT tools in teaching-learning processes and its importance in the wake of modern-day education. The gathering was officially welcomed by Dr. Ismail Thamarasseri, Assistant Professor, School of Pedagogical Sciences, Mahatma Gandhi University.

In first day of the workshop, the sessions were handled by Dr. KS Sajan, NSS Training College, Ottapalam, Palakkad, Kerala. Dr. KS Sajan deliberated on the topic “ICT integrated Transactional Strategies”. Dr. KS Sajan introduced different tools and online platforms through which different functions in education can be carried out. The session provided a practical experience for the students. The session provided both theoretical and practical insights into handling different online tools for educational purposes. The open-source software, OBS Studio was demonstrated in detail, which is of use in creating videos. Different digital transaction strategies and production of digital learning materials was explained for the benefit of the participants. The session can be noted to be of great advantage, as it made the participants knowledgeable about the digital resources that can be made use of and created for classroom purposes. The session ended with discussion on the possibility of virtual understanding environment that can be of use in the classrooms.

The second day started off with session 4 of the workshop by Prof. Vinod Chandra, Department of Computer Science, University of Kerala. He talked on the topic, “ICT Resources for Today”. He started the section, by making a comparison between different classrooms and effectiveness of online classrooms over the traditional classroom settings. He was precise and handled the topic of the session by eliciting responses from the participants. The major concern of the discussion was on how ICT resources have transformed the classrooms and the impact of covid 19 pandemic on the classroom settings.

Session 5 was on the topic “ICT Integrated Learner Centred Instructions; Practical Approaches in Promoting Creative and Innovative Learning in Higher Education”. The session was handled by Dr. Sandhya Kattayat, Higher Colleges of Technology, UAE. She covered different aspects to be put in mind to make a teaching-learning process effective. She discussed on different models that can be used while designing a learner centred class. She demonstrated the use of

online tools like *Padlet* and *Nearpod* and how use of simulations can produce real-time impact on the learners. It was clear that she spoke from her own experiences as a teacher and this helped the participants to relate with. She also spoke on the career opportunities available in UAE for teachers. The afternoon session of the workshop commenced with a highly informative and interactive session on the topic “Technological Devices to Augment Cognitive Abilities”. The session begun with recollecting the famous quote by Alvin Toffler on the need to change our perspectives with the passing of time. The session was a journey through different online tools and platforms that would be of help to enhance the teaching-learning process. The basic to be kept in mind while making a PowerPoint slide and ways to make it more attractive was taught through live demonstration. Applications and tools like *Arloopa*, *Augment 3D*, *Holo* were introduced. The last session of the day was on the topic “Promoting Active Learning in Higher Education” by Dr. Smitha Josey, Higher Colleges of Education, UAE. The session served as the best model on how active and interactive an online session can be. The entire session was conducted through the online management system *Nearpod*.

The third day was dealt by the pioneers in the field of educational content creation, EMMRC Calicut. The Educational Multimedia Research Centre (EMMRC), University of Calicut is the only one of its kind to be set up in Kerala by the University Grants Commission. All the sessions of the day were handled by the team from EMRC. Session 8 of the workshop was handled by Sri. Sajeed Naduthody, Producer, EMMRC Calicut on the topic “Selection and Identification of ICT Resources”. The session provided insights into the making of videos. Different shots and angles in which a video is shot was explained. Documentaries and images were shown for thorough explanations. Session 9 was on the topic, “Criteria for Selecting ICT resources” by Sri. Sreemith N, Production Assistant, EMMRC Calicut. The session provided hands on experience in creating videos. The resource person who is also explained the designing and purpose of creating video contents through projecting his documentary on the sevens football club in Malappuram district. He engaged in interaction with the participants and made known the process behind the making of a video content. The afternoon session was handled by Sri. Rajan Thomas, Junior Research Officer, EMMRC Calicut on the topics “Moving Beyond the course books with ICT and Collecting information from the Internet, OER repositories”. The resource person talked on the academic purposes of video content. He introduced the online learning platforms MOOC and SWAYAM. Most of the participants seemed to be unfamiliar about these platforms. Therefore, a detailed session was provided explaining both design and enrolment of online courses. The resource person really worked in instilling in participants, the need and contemporary relevance of online courses.

The fourth day went well with three sessions covering the factors evaluation, ethical issues and reference. The day started with the session dealt by Dr. Muhammed KV, Assistant Professor, School of Pedagogical Sciences, Mahatma Gandhi University. It was a highly interactive session. Dr. Muhammed KV introduced the game-based learning platform *Kahoot* to the participants. He secured the involvement of all the participants by making them log in the quizzes through their devices. The use and advantages of *Kahoot* was directly experienced by the participants and each step involved in creating a quiz through Kahoot was explained. He also explained about using *Google forms*, which can be used to collect student responses and makes assessment handy for teachers. Session 13 was on the topic, “ICT in Education- legal and ethical issues, copyright, plagiarism” by Dr. Divya C Senan, Department of Education, University of Kerala. As the participants were equipped with the creation of contents for education, the session helped them in securing their contents and how to deal with the contents they produced in the secure mode. The session is useful for research scholars as well as the topics copyright and plagiarism were dealt with. The final session of the day was conducted by

Dr. Vimal Kumar, Reference Assistant, Mahatma Gandhi University. The session covered many topics that will be of use to the participants. The session begun with the discussion how to choose a laptop for academic purposes and to turn an electronic device, useful for academic purposes. The resource person succeeded in instilling in the minds of participants, the urge to publish their own articles or works. He made the participants familiar with self-publishing sites like *Amazon Kindle*, *pothi.com*, *blogger*, *Blogspot* etc. He also talked on making and publishing research articles. The use of tool *zotero* which can be used to collect, organize, site and share research was demonstrated in detail.

The final day commenced with session 16 and 17 of the workshop on the topic Role of ICT in Educational Administration and Management by Dr. Sameer Babu, Department of Education, University of Kerala. He is of the opinion that education must succeed in developing the skills and values needed for 21<sup>st</sup> century. He explored the possibility of applying ICT in every field of education considering the factors of workability, cost effectiveness and opportunity for intensive training. He also shared the possibility of using brain storming tools such as *Jamboard*, *Padlet* and *Conceptboard* in the management and administration of education. He also familiarised the participants with a wide range of learning management systems, software to conduct meetings and presentations, assessment tools and digital initiatives in India. Dr. Sameer Babu provided a tutorial on using the learning management system, *Edmodo* which can be used for future references. Session 18 was on the topic Harnessing Open Educational Resources (OER) for Effective Learning by Prof. Senthilnathan, Bharathidasan University. Prof. Senthilnathan started his session by directing the attention of the participants to the latest trend in education, i.e., *Learning from Home* (LFH) and its management. The focus of the session was on Open Educational Resources. Prof. Senthilnathan shared the opinion that open educational resources has turned knowledge for public use. He showed the participants how open educational resources can be accessed and managed. Prof. Senthilnathan provide hands on experience in Graph and Document Editing. The concluding session of the workshop was on “Cyber Security Measures” by Sri. Bijumon ES, Cyber Cell, Kerala Police. The session started by discussing on the origin of Internet and how it got popularized with times. The session proved to be of contemporary relevance as cyber-crimes are at its peak. The session enabled the participants in safe use of Internet and devices used to access it.

The workshop can be described as a best experience and provided both theoretical and practical knowledge for the participants. Each session concluded with a discussion between the resource person and participants which provided the time for reflection and clarifying the doubts. The workshop covered all the aspects in e-learning from designing a content to the ethical and legal issues involved while publishing a content. The workshop succeeded in providing hands-on experience for its participants to use and know different online platform and tools. The workshop helped the participants to explore new opportunities in the field of ICT to be used in education.

Prof. Minikutty A, Prof. Asha JV, Dr. Ismail Thamarasseri, Dr. Muhammed KV and Dr. Sibu G. Netto are served as faculty facilitators of the workshop. Ms Deepa Mariam Joshua served as rapporteur of the programme.