SWC-21-2

International Conference (Virtual) on

Emerging Trends in Digital Technologies-2021

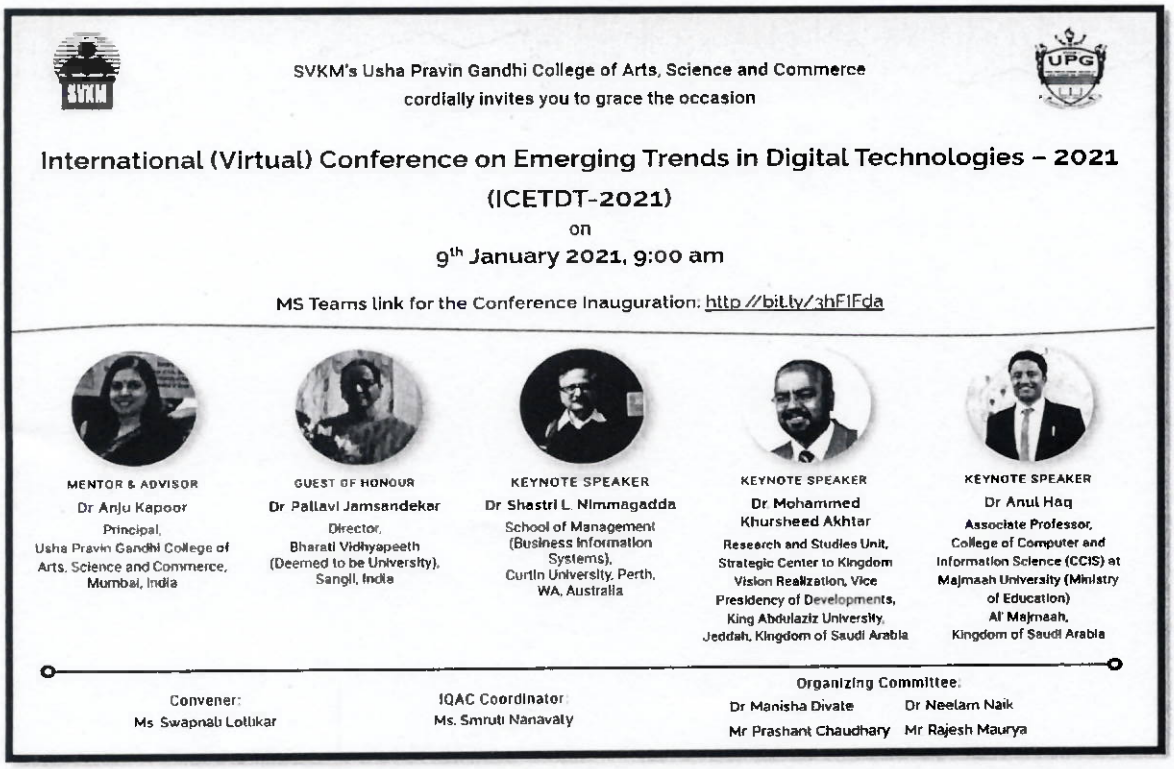
ICETDT-2021

REPORT

Organized by Usha Pravin Gandhi College of Arts, Science and Commerce

Department : Information Technology

Date : 9th January 2021



Introduction

After the successful organization of One day national conference on 'Emerging Trends in Digital Technologies-2020 (ETDT – 2020) organized in year 2020, this year, Department of Information Technology and IQAC of SVKM's Usha Pravin Gandhi College had organized One Day International Conference on "Emerging Trends in Digital Technologies-2021 (ICETDT-2021)" on 9th January 2021. The primary objective of the International Conference was to promote research and development activities in Computer Science, Information Technology, Computational Engineering, Communication technology and to provide an ideal platform for people to share their views.

Around the conference theme we had designed two tracks for the technical papers. Research scholars from all corners of India as well as from Srilanka and Singapore, contributed their research ideas.

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Due to Covid-19 pandemic situation, this time the conference was organized in virtual mode, where many eminent speakers, research scholars, industry experts shared their innovative ideas and views using online platform MS Teams.

Registration

Registration for the conference was open for the Indian as well as international students, academicians, and industry delegates. We received more than 50 good quality original technical research papers from the research scholars residing in various corners of India, such as Assam, Tamil Nadu, Puducherry, Dehradun, Gujarat, New Delhi, Pune, Dhule etc. We also received two technical papers from international research scholars. The Call For Papers was placed on the institute website as well as on EasyChair. All the communication with research scholars was established through EasyChair platform.

Inaugural Ceremony

Inaugural ceremony began with the National Anthem and Goddess Saraswati Vandana. Eminent personalities from the domain of Business Information Systems, Computer and Information Science were the main attractions.

Principal, Dr. Anju Kapoor from Usha Pravin Gandhi College of Arts, Science and Commerce, and Dr. Pallavi Jamsandekar, Director, Bharati Vidhyapeeth (Deemed to be University), Sangli inaugurated the event and released the digital copy of Conference Proceeding. Convenors Mrs. Swapnali Lotlikar, Assistant Professor at UPG College, presented a brief report on ICETDT-2021.

Principal, Dr. Anju Kapoor

Proceedings Inauguration

The inaugural ceremony was handled by Dr. Manisha Divate and Dr. Neelam Naik, Assistant Professors at UPG College.

Dr. Pallavi Jamsandekar, Director, IMRDA, Sangali, was the guest of honour for the inaugural ceremony. She addressed the researchers gather on "advances in IT-2020". She guided the researchers on various domains in IT and the opportunities available to find the new avenues of research.

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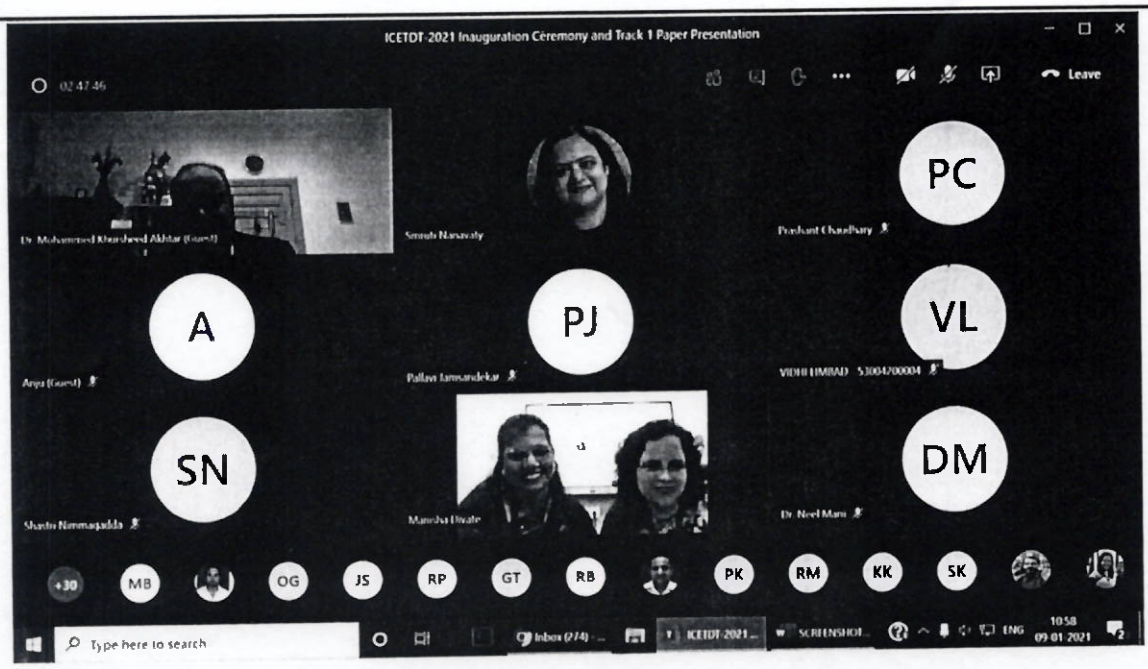

Dr. Manisha Divate and Dr. Neelam Naik handling inaugural function

Dr. Shastri L. Nimmagadda from School of Management, (Business Information Systems), Curtin University, Perth, WA, Australia was the first key note speaker. Shastri shared his experience as an Expert in Geosciences while working in the Schlumberger Company having multiple geo-markets worldwide. He also discussed the problems faced by several international petroleum operating and service companies in India, Australia, Uganda, Kuwait, Abu Dhabi, Egypt, Malaysia, Colombia, Indonesia, Russia, including several assignments in the USA. Various ecosystems for modelling diverse digital Big Data concepts in the geographically varying business contexts, management of information system (MIS) in digital ecosystems, as simulated within a robust and holistic integrated framework, data mining, visualization, data analysis, interpretation that add values to Digital Ecosystems and Technologies (DEST) projects were some of the main topics of his speech.

Dr. Pallavi Jamsandekar, the Guest of Honor

Dr. Shastri L. Nimmagadda, Keynote Speaker

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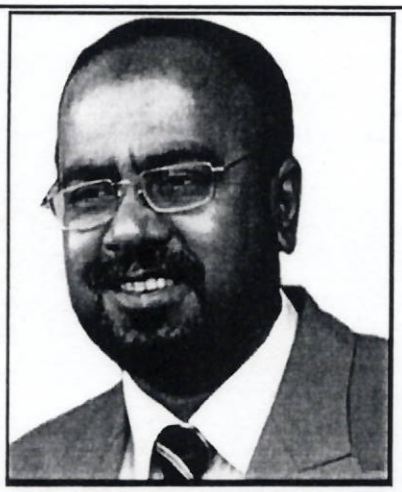

Dr. Mohammed Khursheed Akhtar, Keynote Speaker

Dr. Anul Haq, Keynote Speaker

Dr. Mohammed Khursheed Akhtar from Research and Studies Unit, Strategic Center to Kingdom Vision Realization, Vice Presidency of Developments, King Abdulaziz University, Jeddah, Kingdom of Saudi Arabia, was the second key note addressee. He guided the crowd on use of Emergency Technology such as AI, ML and Data Science in the field of Research and innovation in different sectors and how it revolution the different research ideas. He share the possible job opportunities after doing any graduate and post graduate courses and how some companies and institutions, even different countries investing in these new emerging and cognitive technological areas. The session was very enlightening and helpful in how to carry the project in collaboration with other foreign universities.

Our third Keynote addressee was Dr. Anul Haq, Associate Professor, College of Computer and Information Science (CCIS) at Majmaah University (Ministry of Education), Al' Majmaah, Kingdom of Saudi Arabia. His guidance on carrying out scientific research was admirable. He shown various case studies of AI based project. The measures required to evaluate the system was explained by him with example of case studies on Artificial Intelligence and Machine Learning for Sustainable Water Resources.

All the sessions were very interactive and brainstorming.

Mr. Prashant Chaudhary, Assistant Professor, UPG college, presented a vote of thanks to the chief guest, guest of honor and keynote speakers of the event.

Technical Paper Presentation

Post lunch session was on technical paper presentation. The session was organized in two technical tracks, covering presentations of technical research papers from the domains of Image Processing, Internet of Things, and various Computational and Digital Technologies.

In total there were 26 papers for the presentation. We invited two eminent personalities to chair these tracks, Dr. Sangeeta Chakrabarty, Associate Professor from S.S. Dempo College of Commerce and Economics, Goa, India and Dr. Neel Mani, Associate Professor from Amity Institute of Information Technology, Noida, UP, India.

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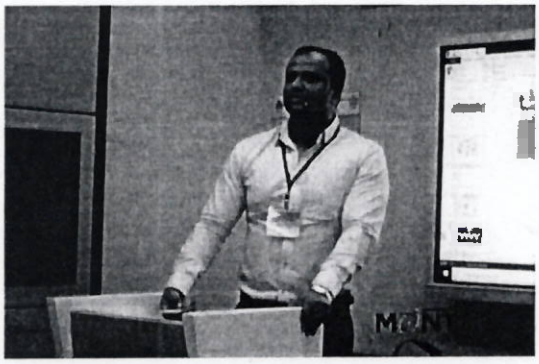
Session chair for Track1
Dr. Sangeeta Chakrabarty

Session chair for Track 2
Dr. Neel Mani

The Track 1 paper presentation session was handled by Prof Rajesh Maurya and Dr. Manisha Divate, whereas Track 2 session was handled by Prof Prashant Chaudhari and Dr. Neelam Naik, Assistant Professors at UPG college.

Every participant was given 7 minutes for presentation followed by 3 minutes for question answer session. Two best papers from each track were shortlisted based on their research topic, presentation skills, the analysis and conclusion.



Dr Neelam Naik and Mr. Prashant Chaudhari taking care of technical session

Dr Manisha Divate and Mr. Rajesh Maurya taking care of technical session

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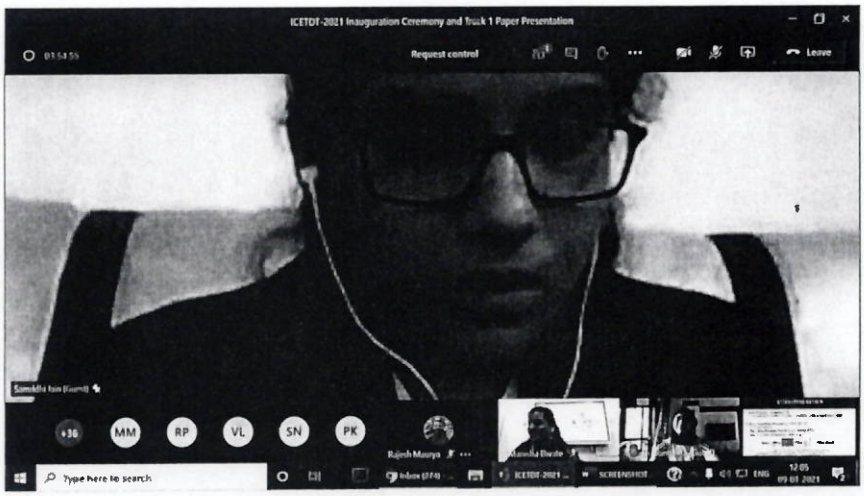
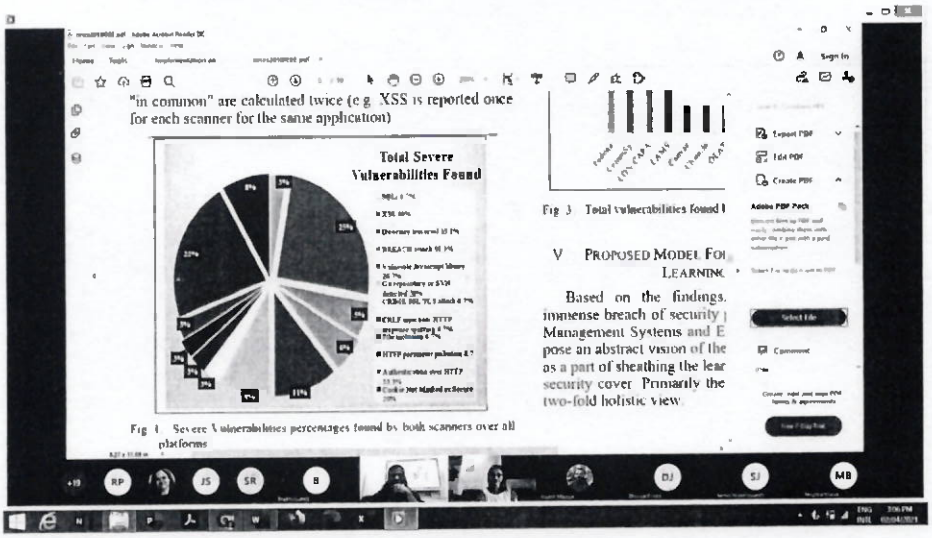


Research Scholars presenting at technical sessions



Research Scholars presenting at technical sessions

Valedictory Ceremony

The conference served as a platform for sharing knowledge in various domains of Digital and Information Technologies.

Ms. Neha Vora, Assistant Professor at UPG college, welcomed Dr. Sangeeta Chakrabarty, Associate Professor from S.S. Dempo College of Commerce and Economics, Goa, India and Dr. Neel Mani, Associate Professor from Amity Institute of Information Technology, Noida, UP, India. and audience for the valedictory ceremony.

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Valedictory Ceremony

From Track 1, Best paper award was conferred to:

- Ms. Rachna Patel, Mr. Kalpesh Lad and Mr. Mukesh Patel for the research paper titled "A Comparative Analysis of DCT and DST based Video Steganography over Non-Dynamic Region in Compressed Domain".
- Ms. Christalin Nelson and Ms. Dhiviya Rose for the research paper titled "Vector Techniques for Underwater Signal Processing".
- Ms. Premgeetha Natarajan, Dr. Azhagaiah Ramachandran and Mr. Natarajan Chidambaram for the research paper titled "Stock Price Predictive Decision using Fuzzy Logic".

From Track 2, Best paper award was conferred to:

- Mr. Samuel S Mitra, Mr. Shivaji Banerjee, Mr. Peter Arockiam.A., Ms. Aparajita Hembrom and Ms. Priyadarshini Rasquinha for the research paper titled "Perception of Post Graduate students towards E-learning in the 'New Normal': An Empirical Investigation".
- Mr. Vaibhav Sharma, Mr. Vikram Pillai and Ms. Anjana Nair for the research paper titled "The Catalytic Effect of COVID-19 on the Online Gaming Industry in India".

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Best Paper Award

The paper The Catalytic Effect of COVID-19 on the Online Gaming Industry in India, by Vaibhav Sharma, Anjana Nair, Vikram Pillai of Institute for Technology and Management (ITM) Navi Mumbai has been selected as the best paper at the International (Virtual) Conference on Emerging Trends in Digital Technologies – 2021, organized by Usha Pravin Gandhi College of Arts, Science and Commerce on 9th January, 2021.

Convener	IQAC Co-ordinator	Principal
International (Virtual) Conference on Emerging Trends in Digital Technologies – 2021	Usha Pravin Gandhi College of Arts, Science and Commerce Vile Parle Mumbai	Usha Pravin Gandhi College of Arts, Science and Commerce Vile Parle, Mumbai

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Best Research Paper Certificate

Conveners Mrs. Swapnali Lotlikar, organizing committee members, all paper presenters, and Best paper awardee were felicitated with the certificates through online platform. The conference ended with vote of thanks from Ms. Neha Vora, Assistant Professor at UPG college.

Selected good research papers were forwarded to the International Journal of Information Technology for publication and remaining papers were published in conference proceedings.

Mrs. Swapnali Lotlikar

Convener, ICETDT-2021