



## Department of CSE Event Report

<b>EVENT TYPE</b>	: International Symposium
<b>EVENT TITLE</b>	: Recent Trends In Computing Technology (Isrtct)
<b>SPONSORED BY</b>	: NA
<b>DATE / TIME</b>	: 16-12-2021/09.30 AM-04:00 PM
<b>VENUE</b>	: Zoom
<b>SPEAKER / RESOURCE PERSON:</b>	TS.Dr.Samsuri Abdulla, Senior Lecturer, Universiti Malaysia Terengganu, Malaysia.  Dr. Mau Luen Tham, Assistant Professor, Universiti Tunku Abdul Rahman, Malaysia.  Dr.Vijanth Sagayan Asirvadam, Associate Professor, University Technology, Petronas, Malaysia.  Ms.Pushpavalli Mohan, Research Assistant, Chang Gung University, Taiwan.
<b>ORGANISING SECRETARY</b>	: Dr. T.V.Anandhan, Professor Department Of CSE.  Dr.V.Ramesh Babu, Associate Professor, Department Of CSE.
<b>DEPARTMENT HEAD</b>	: Dr. S. Geetha
<b>TARGET AUDIENCE</b>	: Teaching Faculty, Researchers, Industry Delegates.
<b>EVENT DESCRIPTION:</b>	

The Department of Computer Science and Engineering in association with Office of International Relations & Collaboration Cell organized International Symposium on “Recent Trends



## Department of CSE Event Report

in Computing Technology” on 16th December 2021 from 9.30 A.M to 4.00 P.M via online platform. The event started with the Inaugural function. Ms.Pushpamitra.P, 3<sup>rd</sup> year, B.Tech CSE hosted the event and extended a warm welcome to the participants and the speakers of the event. Dr.S.Geetha Head of CSE department proposed the welcome address. Introductory address was delivered by our Honorable Vice Chancellor Dr.S.Geethalakshmi. Dr. V. Cyril Raj Additional Registrar Administration delivered the facilitation address. Dr.T.V.Ananthan Professor Department of CSE elaborated about the program.

Mr.Nithin Kumar N, 3<sup>rd</sup> Year, CSE Department welcomed the Guest TS.Dr.Samsuri Abdulla, Faculty of Ocean Engineering Technology, Senior lecturer -Universiti Malaysia Terengganu, Malaysia. Dr.Samsuri Abdullah started his lecture on the topic, “Applications for linear and Non linear air forecasting in Malaysia”. The speaker introduced himself and shed about his work on controlling air and noise pollution and about his research Projects on Transboundary Haze, Indoor Air Quality and Covid-19 and Air Quality. He explained about the Sustainable Development Goals (SDG) and he also shared his work on achieving SDG 11 and 13 respectively. The speaker explained about the types of data, parameters, arrangement of data, missing data and imputation techniques in Data Analysis, also explained about the Peninsular Malaysia thoroughly to the model validation. The speaker also explained about the PCA and MLR techniques, the research analysis of data and the Research Projects that he had worked on. Dr.Samsuri Abdulla, discussed about the Non Linear Model and about its performance indicators. And concluded the session, by answering the questions asked by the participants.

Ms.Iswarya Sri, 3<sup>rd</sup> year, CSE department, introduced the speaker Dr.Mau Luen Tham, Assistant Professor Universiti Tunku Abdul Rahman, Malaysia to the gathering. Dr.Tham, started the lecture on the topic, “Artificial Intelligence of Things; when AI meets IoT”, by explaining the IoT and existing wireless technologies and gave a brief description about 5G communications. Dr.Tham elucidated about the IoT architecture and the communication protocol-MQTT. And Dr.Tham explained about IoT specific Technologies: LoRa, LoRaWAN and Lora P2P. And he explained a LoRa P2P case study: Image Transmission. He demonstrated two case studies regarding Smart Electricity Management and Automatic License Plate Recognition. Towards the end of the session, he talked about the research opportunities in IoT and AI. He also gave some recommendations for future work. The session was informative and useful highlighting the recent and future perspectives of IoT and AI for the participants.



## Department of CSE Event Report

Mr.Rishabh Tiwari, 3<sup>rd</sup> year, CSE department, introduced the speaker, Dr.Vijanth Sagayan Asirvadam, Associate Professor, University Technology PETRONAS, Malaysia. The speaker started the session on the topic, “Data Analytics: Why is the craze and race?” Dr. Vijanth talked about the industrial stages in and revolution and also took students through the “50 – 100” year old journey of Data Science. He talked about how data science is playing an important role in today’s world and what are the future aspects of this technology. The session was informative and useful highlighting the essential perspectives for the aspirants who wish to study abroad.

Ms.Denika, 3<sup>rd</sup> year, CSE department, introduced the speaker, Ms.Pushpavalli Mohan, Assistant, Chang Gung University, Taiwan. Ms.Pushpavalli gave a brief introduction on facial recognition in AI and proceeded to give a detailed lecture on it. The speaker then gave glimpses on her work “video based face expression recognition using graph convolutional networks. Her lecture is extremely useful due to it highlighting effect in real life world applications.

All the sessions were useful & informative.

The symposium came to an end with the Valedictory function. Prof.P.Dinesh Kumar, Additional Head of CSE department delivered the welcome address. Dr.N.Ethiraj, Dean E&T proposed the valedictory address. Dr.V.Ramesh Babu, Associate Professor of CSE department, delivered the vote of thanks. The event was organised by, Dr.T.V.Anandhan, professor Department of CSE and Dr.V.Ramesh Babu, Associate professor of CSE department. A special thanks to Dr.R.Kowsalya, Dean, office of International Relations & Collaboration Cell for her support in organizing the event. Technical support by, Mr.Rajesh, system administrator, department of CSE.

The Department of CSE considers it as a great privilege and honor to thank our honorable President Er.A.C.S Arun Kumar and all executives for their continuous support in organizing the event. The students were very much interested to gain knowledge. The session was ended by the host Ms.Pushpamitra.P, 3<sup>rd</sup> year, B.TechCSE.



Powered by Dr.M.G.R. Educational & Research Institute

**Department of CSE Event Report**

The image displays a grid of 14 video conference thumbnails. The top row shows five participants. The middle and bottom rows show presentation slides and more participants. The slides include:

- Slide 1:** A flowchart showing data processing steps: Data Collection, Data Cleaning, Data Integration, Data Analysis, and Data Visualization. A list of topics: Types of data, Parameters, Arrangement of data, Missing data, Imputation Techniques. Source: Malaysian Department of Environment (2021).
- Slide 2:** Title: Artificial Intelligence of Things: When AI meets IoT. Speaker: Mau-Luen THAM, Assistant Professor, Department of Electrical and Electronic Engineering, Lee Kong Chian Faculty of Engineering and Science. Includes a small tree diagram.
- Slide 3:** Title: Web Information and Data Engineering Lab. Topic: Facial Expression Recognition and Detection using Artificial Intelligence. Speaker: Name: Puthgavalli Mohan, Research Assistant, Chang Gung University, Taiwan.
- Slide 4:** International Symposium on Recent Trends in Computing Technology, 18th December 2021. Session 2: 2.00pm - 3.00pm. Speaker: DR.VIJAYAKRISHNAN SAGAYAN ASIRVADAM, Associate Professor, University Technology PETRONAS, Malaysia. Topic: Data Analytics: Why is the Cause & Effect.