



UNIVERSITY OF MAURITIUS



UoM VIRTUAL RESEARCH WEEK 2021

*Building Resilience through Research
in the COVID-19 Era*

Faculty of Information, Communication
and Digital Technologies

Monday 08 November 2021



UoM Virtual Research Week 2021
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| Time | Virtual Session Programme Zoom Link: https://zoom.us/j/95099512681 |
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| 10.30 – 10.40 | <i>Admission of Participants</i> |
| 10.40 – 10.45 | Welcome Address by Dr (Mrs) S Armoogum <i>Master of Ceremony</i> |
| 10.45 – 11.05 | Keynote Address by Mr A Kaidoo <i>Head of Product & Technology - Ceridian</i> |
| Oral Session 1 | |
| Department of Information & Communication Technologies Session Chair: Dr R Doomun | |
| 11.05 – 11.25 | Biomedical Literature Search Tools: A Comparative Analysis S. Cheerkoot-Jalim, K. K. Khedo, U. N. Das |
| 11.25 – 11.45 | Role of Data science in Covid 19 aftermath in Mauritius C. Gunnoo |
| Poster Session 1 | |
| Department of Information & Communication Technologies Session Chair: Dr R Doomun | |
| 11.45-11.55 | Visualization of Fastest IP Route in Africa Sohan Ramkissoon and Avinash Mungur |
| 11.55-12.05 | Use of Sentence Transformers in Automated Assessment System V. Ramnarain-Seetohul, V. Bassoo and Y. Rosunally |
| 12.05-12.30 | BREAK |
| Oral Session 2 (In parallel with SIS dept) | |
| Department of Digital Technologies Session Chair: Mr S Jaunbuccus | |

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| 12.30 - 12.50 | Enhancing Energy Efficiency of Erasure Coded Cloud Storage using CORE A. Chiniah and A. Mungur |
| 12.50 - 13.10 | Identification of Mauritian Bird Songs Using Deep and Transfer Learning Z. Mungloo-Dilmohamud and J. Henri |
| 13.10 - 13.30 | A Mobile Augmented Reality System for Aapravasi Ghat Ghuzailah Widaad Papauretty and Khedo Kavi Kumar |
| 13.30 - 13.40 | A Mobile Application for Fungal Disease Detection on Plants Keshav Caleechurn and Raj Kishen Moloo |
| 13.40 - 14.00 | A QoI Assessment Framework for Participatory Crowdsourcing Systems Ashley RAJOO, Kavi Kumar KHEDO and Utam Avinash Einstein MUNGUR |
| 14.00 - 14.20 | Wireless Sensor Network Architecture and Algorithms for Real-Time Monitoring of Urban Drainage H. Bujun and K. Khedo |
| 14.20 - 14.40 | Using Behavior Matrix to perform content adaptation in Mobile Learning B. Curum and K. Khedo |
| 14.40 - 15.00 | The BehaviourCoach Exergaming Framework S. M. R. A. Elaheebocus and A. Husnoo |
| 15.00 - 15.20 | Personalized and Adaptive Context-Aware Mobile Learning Survey, Challenges and Future Directions C. Gumbheer, K. Khedo and A. Bungaleea |

Poster Session 2

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| 15.20-15.30 | An early warning system using mobile telephony for disaster preparedness in Mauritius Raj Kishen Moloo, Assoc Prof Kavi Khedo and Aatish Chiniah |
| 15.30-15.40 | A Mobile Application for Fruit Fly Identification Using Deep Transfer Learning: A Case Study for Mauritius Kaviraj Gosaye and Raj Kishen Moloo |
| 15.40-15.50 | A Generic Contact Tracing Framework Yuvraj Chiranjiv Seegolam and Raj Kishen Moloo |

Oral Session 3 (In parallel with DT dept)

Zoom Link: <https://zoom.us/j/93993025253>

Department of Software & Information Systems

Session Chair: Mr S Rosun

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| 12.30 - 12.50 | How do Researchers Define Cyberbullying? Pokhun L and Chuttur M.Y |
| 12.50 - 13.10 | Designing multimodal transport networks in the age of social distancing K. Heereroo, O. Gukhool, A. Ho and J. Liang |
| 13.10 - 13.30 | Towards the adoption of green Computing at the University of Mauritius A. Mohabuth |
| 13.30 - 13.50 | A study of the challenges of Requirements Volatility in SCRUM C. Mubiru and A. Mohabuth |

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| 13.50 -14.10 | Towards a framework for successful management of Government IT projects K. Beeharry and A. Mohabuth |
| | Poster Presentation |
| 14.10 - 14.20 | AideMoris: Assisting Senior Citizens in Mauritius During Home Confinement Chuttur M and Durbarry A. |
| 14.20 - 14.30 | A Chatbot for a Faculty of Information Technology T. Domun and L. Nagowah |
| 14.30-14.40 | An Interview Chatbot for a Software Company H. Kika and L. Nagowah |
| 14.40 - 14.50 | Identifying Enterprise Resource Planning skills for the local job market Z. Cadessaib, B. Gobin-Rahimbux, N. Gooda Sahib and M. Mamode Khan |
| 14.50 - 15.00 | An Analysis of Machine Learning Models Suitable for Error Detection in Infrastructure as Code (IaC) Chuttur Yasser and Sandy Ramasawmy |
| 15.00 - 15.10 | Upcycling Plastic Wastes in Mauritius into a 3D Printer Filament Industry M Y Chuttur, P Jeetah, N Hurry, Mr k Tahalooa and D Seebun |
| 15.10 - 15.20 | Edge node efficiency using software design pattern V.Hurbungs, V.Bassoo and T.P.Fowdur |
| 15.20 -15.30 | Beach Erosion Monitoring in Mauritius – Sites Identification A. Nazurally and Y. Chuttur |

Closing Remarks and Vote of Thanks will be at 15.40 hrs after the last poster presentation of the department of digital Technologies:

Dr (Mrs) S Armoogum

Zoom Link: <https://zoom.us/j/95099512681>

*Each time slot includes 5 minutes for Questions & Answers.

Registration Link for the event at https://docs.google.com/forms/d/e/1FAIpQLSfdLZPgeaJvpcdhOyZNNGx92ZzxtfKV3FaIVT2axJsF_XMw/viewform?usp=pp_url