Centre for Machine Learning and Intelligence
Avinashilingam University for Women

Post Event Summary Report

Name of the Event: Research Colloquium'2021

Date of the Event: 23rd October 2021

Venue: AAI Start-up, Centre for Machine Learning and Intelligence

On October' 23rd 2021@ 11 A.M., the research colloquium was held to encourage the students, research scholars and staffs in their respective domain to enhance their research perspectives and knowledge. Our honourable Professor Dr. P. Subashini mam took this great initiative and sponsored to start this research colloquium in the consideration of benefits to the students, research scholars and staffs to drive to mission and vision of Centre for machine learning and Intelligence. Assistant professor and the coordinator of AAI Start-up Programme Dr. M. Krishnaveni mam organized the event and arranged the venue for this research colloquium.

This event started with Prayer by Ms. B. Preethi, Programming assistant, Centre for machine learning and Intelligence. Dr. P Subashini Mam and Dr. M. Krishnaveni Mam gave inaugural speech, Motivation and addresses the importance of research colloquium.

The participants of this event on that day are Ms.Soumya Haridas, Ms. Elizabeth Leah Thomas, Ms. Jennyfer Susan M B, Ms. Mohana M, Ms. A.Mahalakshmi, Ms. Aiswarya S, Dr. TT Dhivyaprabha, Dr. K Nandhini, Ms. B. Preethi, Ms. V. Narmadha who presented their research work for 10 to 15 minutes. At the end of the each presentation questions are raised, and the following structured process of brain storming, exchange of information, and the participants of the research colloquium reached a consensus with the discussion of their barriers, solutions, remarks and suggestions given by our respective professors and other participants.

Finally, for the best two presenters Ms. M. Jennyfer Susan and Ms. B. Preethi was rewarded with cash of each Rs. 1000 by Dr. M. Krishnaveni, Assistant professor and coordinator of AAI Startup Programme.

The following are the suggestions and remarks are given by our respective professors, working research staffs and research scholars.

S. No.	Research Scholar/Staffs	Remarks & Suggestions
1.	Ms.Soumya Haridas	1) What are the challenges in cervical cancer? 2) What are the features extracted for classification? 3) What is the difference between the proposed and compared methods? 4) Discuss the improvement of your method by comparing with the raw data and output results. 5) Suggestion to use the full word instead of acronyms. 6) Which makes you to select pap smear images? 7) How many Pap smear images are collected and tested for this research work? 8) How the pathologist can identify from the pap smear image about cervical cancer prevalence? 9) What are the properties that hold by the cytoplasm or nuclei to identify the Cervical Cancer? 10) Suggest to understand the research problem and the relativity of the parameters chosen for that.
2	Ms. Elizabeth Leah Thomas	1) What is the outcome of the research study? 2) What are the emotional database considered, verified and how do you classify these emotions from the collected data? 3) Is there any changes and gap in your research problems at present? 4) What is popularity measures? 5) Why do you consider only 6 emotions for your research work? 6) Suggest to do time series analysis. 7) Many scope research problems are discussed but there is any one research problem are narrowed down to research solutions. 8) Suggested to identify the objectives, direct the research domain after the research problems pattern recognition can be done with kolam patterns or emotion detection can be done. 9) Suggest to divide the work done into various research problems, first focus on the pattern recognition and classification, Best suited methodology for the above problem. If it is not suitable then choose the kolam pattern use that to identify which emotions can be graphed. 10) Or Suggest to study about the tweets or concentrate on one topic on time basis
3	Ms. Jennyfer Susan M B	1) What is the novelty of the research work? 2) What are the applications used in TPU? 3) What are other advantages of GPU other than time and Memory?

		4) Whether the GPU is used for image or algorithm?
		5) How do you validated your output results?
		6) Suggested to identify the ground truth results to validate.
		7) Whether COLAB can be used for MATLAB?
		8) Appreciated for the research work done in GPU, TPU
4	Ms. Mohana M	1) What do you mean by equality and equity?
		2) Why are you using image dataset instead of video dataset?
		3) Suggested to you video dataset for emotion detection
		4) Frame the objective correctly
		5) Narrow down the research problem.
		6) How the algorithm works and identify the drawbacks of the Viola jones algorithm?
		7) Suggested to consider Performance metrics
5	Ms. A.Mahalakshmi	1) Whether you physically viewed the GPU hardware?
		2) Can we use GPU in mobile
		3) Whether the problem was identified?
		4) Whether GPU is used in mobile ?
		5) Can we accelerate GPU in mobile?
		6) What is your research work?
		7) Do you find any research problem or domain?
		8) Are you choosing application to work on GPU or going to work on CUDA?
		9) What is your focus for Phd research study?
6	Ms. Janani	1) Appreciated for the work done in Li-fi
7	Ms. Aiswarya S	1) Appreciate for the PPT presentation
		2) Suggested about Dataset and Methodology to fine tuning
		3) Whether the dataset considered for this research work is image or not ?
8	Dr. TT Dhivyaprabha	1) Appreciated for the extensive research study and suggested to share and provide behind the research work and algorithm
9	Dr. K Nandhini	1) How the proposed mobile application works for nursery and primary level children asked to show in demo?
		2) How this proposed project can be considered as robotics?
		3) Where the robotics applied?
		4) Whether the finally product will be included with robots?
		5) What if the children wrongly identified the object and how it will be validated?
10	Ms. Preethi	1) Appreciated for the great work.
11	Ms. Narmadha	1) Appreciated for the work
		2) Whether the datasets are maintained and stored?

Event Photos