

Centre for Machine Learning and Intelligence

Avinashilingam Institute for Home Science & Higher Education for Women,
Coimbatore - 641043

Post Event Summary Report

Name of the Event: Research Colloquium 2022

Date of the Event: 23rd July 2022

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

On July 23rd 2022, the research colloquium was held to encourage the research scholars and staffs in their respective domains to enhance their research perspectives and knowledge. Our Centre for Machine Learning and Intelligence (CMLI) Head, Professor Dr. P. Subashini took this great initiative and sponsored to start of this research colloquium in the consideration of benefits to the students, research scholars and staffs to drive to mission and vision of the Centre for Machine Learning and Intelligence. Professor and the Faculty In-charge of the AAI Start-up Programme Dr. M. Krishnaveni organized the event and arranged the venue for this research colloquium.

The participants of this event on that day are Ms. Manju Joy, Ms. Elizabeth Leah Thomas, Ms. Jennyfer Susan M B, Ms. R. Shanmugavalli, Ms. M. Mohana, Ms. A. Mahalakshmi, Ms. Aiswarya S, Mrs. Bhuvaneshwari, Ms. V. Narmadha, Dr. TT Dhivyaprabha, Dr. R. Janani who presented their research work for 10 to 15 minutes. At the end of each presentation questions were 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, the best two presenters Dr. TT Dhivyaprabha and Ms. V. Narmadha were rewarded with cash each Rs. 1000/- by Dr. M. Krishnaveni, Assistant Professor and Faculty In-charge of AAI Start-up Programme.

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

S. No	Name of Research Scholar/Staff	Remarks and Suggestions
1	Ms. Manju Joy	<ol style="list-style-type: none">1. What is web scrapping?2. Why have you used K-means algorithm?3. What is k value and how it is chosen?4. How to remove noisy and inconsistent data?5. Remarks: No innovation, not up to the mark. No improvements. Appreciate the participation.

2	Ms. Elizabeth Leah Thomas	<ol style="list-style-type: none"> 1. What is text style transfer? Is TST is method or any process? 2. What is encoder and why is it used? 3. Which is your base paper? 4. What is flair? 5. Have you used NLP techniques? 6. What is text reframing, why it is important? 7. Why have you changed the research topic? 8. Remarks: No innovation, not up to the mark. Appreciate the participation.
3	Ms. Jennyfer Susan M. B	<ol style="list-style-type: none"> 1. What is the ranges of the CNN model? 2. Can you calculate other metrics? 3. Why have you used the PSO algorithm? 4. Where you applied the PSO optimization in your research? 5. How to verify this work is possible for research? 6. What are you going to optimize here? 7. Why can't you use grid, keras, and random search? 8. Which dataset you have used and what kind of data are there in that dataset? 9. In existing what type of work to be carried out? 10. suggestion: You must consider the time complexity also. You have to show your significant results. Check this architecture with own datasets. 11. Remarks: Appreciate the strong implementation. Justification is weak.
4	Ms. R. Shanmugavalli	<ol style="list-style-type: none"> 1. Remarks: To explain PSO, we need problem objectives. Less valuable presentation. Blind explanation. 2. Advised to prepare the presentation with proper explanation.
5	Ms. M. Mohana	<ol style="list-style-type: none"> 1. she has not registered hence she didn't allow to participate. 2. Disqualified.
6	Ms. A. Mahalakshmi	<ol style="list-style-type: none"> 1. What is the unit of epochs and batch size? 2. Why have you chosen the size of epoch? 3. Whether we can write our own coding here. 4. What is learning rate? 5. What are all the other learning methods? 6. What do you mean by normalization? 7. How do you measure the data loss? 8. What is the architecture and how its working?

		9. Remarks: Tools explored, no deep information, just an explanation.
7	Ms. S. Aiswarya	<ol style="list-style-type: none"> 1. What do you mean by bottleneck architecture? 2. Why is it named as bottleneck? 3. What is SSIM? Explain it. 4. Why have you chosen this similarity metrics? 5. What type of modifications will made? 6. Why SoftMax function used in this work? 7. What are all the other activation function? 8. What is the 7 different classes? 9. In your, you must choose some other datasets. 10. What are the challenges? Have you used this work with other architectures? 11. What is the ground truth value and how it is used in this work? 12. Why have you chosen Deep Learning algorithms? 13. What is the declaration of your research work? 14. What is mean by classification in this research? 15. Suggestion: Experimentation results are not strong. Need to strengthen the experimental results. 16. Remarks: Defended in well manner. New concepts to be explained.
8	Mrs. S. Bhuvaneswari	<ol style="list-style-type: none"> 1. Video not working while presentation. 2. Disqualified
9	Ms. V. Narmadha	<ol style="list-style-type: none"> 1. What is learning rate? 2. Can we deploy our own model here? 3. What is TinyML? 4. Whether this can be applied for any other application. 5. Where do you collect the data and how? 6. Remarks: Good identification and connectivity between IoT and Machine Learning. Appreciate the great work and presentation. Presentation template was not good. 7. Suggestions: Need improvisation in presentation. You can use this work for your research perspective.
10	Dr. TT. Dhivyaprabha	<ol style="list-style-type: none"> 1. What is graph-based model and how it is used for molecular representation. 2. How to convert the molecular structure into graph matrix?

		<ol style="list-style-type: none"> 3. Whether this work is fitting to your research work. 4. How would you like to proceed this work in future? 5. Suggestion: Avoid explaining known things. 6. Remarks: Wonderful preparation, Great appreciation. Good work. Detailed presentation and well explanation.
11	Dr. R. Janani	<ol style="list-style-type: none"> 1. Remarks: General information, lack of presentation, less informative. 2. Advised to prepare the presentation more informative.

Event Photos









