

SRM University - AP, Andhra Pradesh
Neerukonda, Mangalagiri, Guntur (Dt)— 522240
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SEMESTER PROGRESS REPORT

Date: 26-Jun-2024

1. Particulars of Research Scholar

(a) Name and Registration No : Signamsetty Venkata Phanindra Kumar
 AP21135010001
 (b) E-mail ID & Contact Phone Number : phanidrakumar_s@srmap.edu.in

2. Registration Details

(a) Category of registration : Full Time
 (b) Date of Enrolment : May 10, 2021

3. Name of the Dept. : CSE

4. Particulars of the Supervisor / Co- Supervisor : Dr. Ashu Abdul, Dr. Jatindra Kumar Dash

	Name & Designation	Institution(s) where employed with Address
Supervisor	Dr. Ashu Abdul Assistant Professor	SRM University, AP, Dept of CSE, Neerukonda, Mangalagiri Mandal, Guntur District, Andhra Pradesh, 522240.
Co-Supervisor (if applicable)	Dr. Jatindra Kumar Dash Assistant Professor	SRM University, AP, Dept of CSE, Neerukonda, Mangalagiri Mandal, Guntur District, Andhra Pradesh, 522240.

5. Area of work/Tentative title of the proposed Research work:
Multimodal summarization using deep neural networks

6. Prescribed course work completed: Yes

7. Total No of Scopus Indexed Publications: 1

8. No of Q1/Q2 Publications: 1

9. No of Patents published:06

10. No of Conferences attended:0

11. Latest Doctorial Committee Meeting Date: - 07-05-2024

12. Minutes of the latest Doctorial Committee Meeting attached: Yes

13. Semester Progress report

The scholar must attach a progress report, including a detailed account of work done during the period, totalling at least 300 words. It must be signed by the scholar and counter signed by the Supervisor and, the Co-Supervisor if applicable,

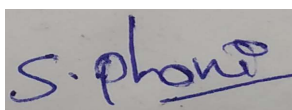
PROGRESS REPORT FOR THE PERIOD OF 01.01.2024 TO 30.06.2024

- Reading research papers on multimodal summarization has led to the discovery of gaps in literature.
- Completed Comprehensive Viva on 12-01-2024.
- We published paper research paper: Dr. Ashu Abdul, Phani Siginamsetty “**Improving preliminary clinical diagnosis accuracy through knowledge filtering techniques in consultation dialogues**” in *Computer Methods and Programs in Biomedicine*.
- We communicated one research paper “**RLMS: A Reinforcement Learning based Multimodal Summarization Approach for Multimodal Input Data**” in *IEEE Transactions on Pattern Analysis and Machine Intelligence*
- We communicated one research paper: Phani Siginamsetty, Dr. Ashu Abdul “**MMSFT: Multilingual Multimodal Summarization by Fine-tuning Transformers**”, in *IEEE Access*.
- Conference paper titled “**MMSMI- Multilingual Multimodal Summarization for Multimodal Input**” accepted for presentation at *5th International Conference on Data Science and Applications (ICDSA 2024)*.
- Presented paper title “**Vision-based facial detection and recognition for attendance system using reinforcement learning**” in *1st Research Scholar’s Summit* organized by SRM University-AP.
- Published patent with the title “**A System and A Method For Prediction Of The Strength Of Concrete**”, Patent Application No: 202341087257.
- Published patent with the title “**A System and A Method for Generating Trading Coupons**”, Patent Application No: 202341087665.
- Published patent with the title “**A System and A Method for Deriving Multilingual Meeting Minutes**”, Patent Application No: 202441001022.
- Published patent with the title “**A System and A Method for Personalized E-Content Generation Based on Student Performance in Education**”, Patent Application No: 202441003347.
- Published patent with the title “**A System and A Method for Multilingual Fake News Detection in Multimodal Information**”, Patent Application No: 202441030030.
- Published patent with the title “**A Healthcare Summarization System and A Method Thereof**”, Patent Application No: 202441005845.

- Completed a meeting with doctoral committee on 07/05/2024 and received approval for a one-year extension.


Remarks from the supervisor:

- The student got an Internship offer from VOLVO from June 2024 to May 2025 (duration 9 months). It is approved by the CRCS office, SRM University-AP. This internship is in Hybrid mode, where every month the student will be working 2 weeks at VOLVO office and 2 weeks he will report to university.



(Siginamsetty Venkata Phanidra Kumar)
Signature of the Scholar with Date

(Dr. Jatindra Kumar Dash)
Signature of the Co- Supervisor


(Dr. Ashu Abdul)
Signature of the Supervisor

Annexures:

1. Semester progress report
2. Doctorial committee meeting minutes
3. Copy of publications (first page only)