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**St. JOSEPH'S INSTITUTE OF TECHNOLOGY**  
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**St. JOSEPH'S GROUP OF INSTITUTIONS**  
 OMR, CHENNAI - 119



### Department of Artificial Intelligence and Datascience

#### FACULTY DETAILS

<b>Staff Name</b>	: S Saranya
<b>Date of Birth</b>	: 03-06-1990
<b>Educational Qualification</b>	: BE., ME., (PhD)
<b>Area of Interest</b>	: Machine learning, Deep Learning, Database Management System.
<b>Years of Experience</b>	: 2 Months
<b>Area of Research</b>	: Speech Recognition
<b>No of Student Projects Guided</b>	: <b>UG – Nil</b> <b>PG – Nil</b>
<b>Supervisor</b>	: Nil
<b>FDP &amp; Workshop Funding</b>	: Nil
<b>Research Projects (Granted)</b>	: Nil
<b>R &amp; D Activities</b>	: I was honored with the Best Paper Presentation Award at Research Scholars Day, SSN College of Engineering, 2024 for my research on “Real Time Multi-dialect Automatic Speech Recognition System for Tamil”.
<b>Publication Details</b>	: <p style="text-align: center;"><b><u>Journals</u></b></p> <ol style="list-style-type: none"> <li><b>Saranya S</b>, Bharathi B, Aishwarya Krishnakumar, Gomathy Dhanya S "Real-time continuous Tamil dialect speech recognition and summarization” Circuit systems and signal processing, 2024 <b>Impact Factor 1.8 Q2</b></li> <li>Bharathi.B, <b>Saranya.S</b>, G.Sneha,Shrinithi Radhakrishnan and Shrisathvika V.A "Question Quality Assessment in Online Diagnostic Examinations" Indian Journal of Natural Sciences, Vol.14/issue 80, <b>Impact Factor 2.452</b>, Oct, 2023, pp.61138-61149 (WoS)</li> </ol>

3. **S. Saranya**, B. Bharathi, “NLP Approach for Recognizing Alzheimer’s Dementia from Spontaneous Speech” Indian Journal of Natural Sciences, Vol.14(77), **Clarivate**, **1.988**, April, 2023, pp.54382-54390 (WoS)

#### **Conferences**

1. **Saranya S** and Bharathi B. 2023 “SNBAR@LT-EDI-2023: Automatic Speech Recognition: vulnerable old-aged and transgender people in Tamil” In Proceedings of the Third Workshop on Language Technology for Equality, Diversity and Inclusion, pages 155–160, Varna, Bulgaria. INCOMA Ltd., Shoumen, Bulgaria.
2. **Saranya S** Suvidha Rupesh Kumar Bharathi B, “Deep Learning Approach: Detection of Replay Attack in ASV Systems”, International Conferences of Soft Computing and Signal Processing (ICSCSP), vol 1118. Springer, pp. 291-298, 21-22 June 2019, Malla Reddy College of Engineering and Technology, Hyderabad.
3. **Saranya S** Bharathi B Kavitha S, “An approach to detect replay attack in automatic speaker verification system”, IEEE International Conference on Computer Communication, and Signal Processing (ICCCSP), pp. 82-86, 22-23 Feb 2018, SSN College of Engineering Chennai, doi:10.1109/ICCCSP.2018.8452827.  
<https://aclanthology.org/2023.ltedi-1.23/#:~:text=https%3A%2F%2Faclanthology.org/2023.ltedi%2D1.23.pdf>

**Patent Publication** : Nil

**Honors & Awards** : Nil

**FDP & Workshop Attended Details** :

1. Attended Faculty Development Program on Advancements in Computing Technologies and Internet of Things! organized by VIT Chennai- School of Computer Science and Engineering (SCOPE) 21st to 25th October 2024.
2. Attended IEEE Seasonal School on “Signal Processing guided Machine Learning approaches

	for Speech and Audio Applications” organized by IEEE Signal Processing Society (Madras Chapter) along with the Department of Electronics & Communication Engineering, Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam, Chennai during 05-09 February, 2024.
	3. Attended Faculty Development Program on “Advanced AI: Tools and Algorithms (AATA-2024)” organized by Sri Sivasubramaniya Nadar College of Engineering - Chennai, Department of Computer Science and Engineering during 29 January - 03 February 2024.
<b>Certification/Other Courses</b>	: UDEMY online course on Python for Data Science and Machine Learning Bootcamp, 3-11-2024(25 total hours)
<b>Professional Membership</b>	: IAENG
<b>LinkedIn ID</b>	: <a href="https://www.linkedin.com/in/saranya-s-6b91829b">https://www.linkedin.com/in/saranya-s-6b91829b</a>
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