

Name : Sampath Alankritha
Designation : Assistant Professor
Department : Computer Science Engineering
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Experience (in year) : Teaching :1.4months
Research :1.6months
Industry : 3years



1.Education/ Technical Qualification:

Level (UG / PG)	Year of Passing	Institution	Specializations
M.Tech. (CSE)	2022	VNRVJIET	Computer Science
B.Tech. (IT)	2016	St. Martin's College of Engineering(SMEC)	Information Technology

1.1 Academic Project

- [1] M.Tech Project: Extractive Text Summarization with Speech Assistor Using Phrase-Based Statistical Machine Translation
Languages/Tools: Python, Natural Language Processing, SMT, Awarded As the best Project.
- [2] B.Tech Project: (St. Martin's smart phone app – Martinapp (.APK) – 2014)
Languages/Tools: HTML/CSS/JavaScript, Fillezilla Recognized as the best Project.

1.2 Academic Achievements and Strengths

- [1] Won Best Project Award in M.Tech Project Viva-Voce held during 2021-2022, VNRVJIET.
- [2] Won Gold Medal for Paper Presentations on VIRTUAL REALITY, 4th National Level Technical Fest FURCATEZ'14 at Malla Reddy Institute of Technology and Science, Aug 2014.
- [3] Runner-Up for Paper Presentation on IRIS RECOGNITION, National Level Technical Fest YUKTI'15 in Mahatma Gandhi Institute of Technology, Mar 2015.
- [4] Won First Price in Intra College Basketball Match at Annual Sports & Games Meet 2k13, SMEC.
- [5] Won First Prize in Tech-e-words event conducted by technical Association of Information Technology, SMEC, 2015
- [6] Secured Second Price in Intra College Volleyball Match at Annual Sports & Games Meet 2k13, SMEC.
- [7] Won Third Price for Poster Presentation in TECHNOSMEC-2k14, SMEC.

1.3 Research Work

- [1] Presently Working on the domain of Agriculture, Focusing on Identifying the Micronutrients deficiency in soils and based on recommending the crop rotations and organic manure for

improving the socio-economic state of the farmers by using the technologies of Artificial Intelligence and Machine Learning

- [2] Worked on Natural Language Processing for building A Voice Based Assistor that summarizes the website/blog/pdf information dynamically by giving the URL as input to the model.

2. Teaching and Learning

- [1] **Teaching Interest** : Artificial Intelligence, Natural Language Processing, Data Science, Machine Learning, and Python Programming.
- [2] **Novel Teaching & Learning Techniques adopted** : Chalk & Talk, Learning by Doing, Wit & Will, PPT, Bloom Taxonomy.
- [3] **Involvement in curriculum updating / Design** : NIL

3. Co-curricular and Extra-Curricular Activities

- [1] **Interest and Hobbies** : Pencil Sketching, Listening to old melodies, Cooking, Reading Articles.
- [2] **CCA/ECA Organized** :
 - 1. TECHNOSMEC Technical event, BloggerIT events, and Traditional Day event (2014), in SMEC.
 - 2. Conducted Basic of Visual Thinking Workshop for faculty in VNRVJIET on May 30th, 2023
- [3] **CCA/ECA participated** :
 - 1. Actively participated in YOUTH PARLIMENT & Model United Nation conducted by TAM (Technical Awareness Month, Sept 19th -1st Nov 2014), SMEC
 - 2. Actively participated in social welfare activities - teaching children at orphanage, conducted food campaigns for the poor, gathering old clothes for the weak and aged conducted by Raising Hands for Change Organization.
- [4] **Counselling and Mentoring Activity**: Regular counselling the students, especially slow learners.
- [5] **Committees involved in Department Level** : Research Committee

4. Participated in International / National Conference / Workshop / FDP/Seminar / Guest Lectures

4.1 Attended & Participated

- [1] FDP: Participated in National Institute of Technical Teachers Training and Research, Chennai-2023.
- [2] FDP: Participated Recent Trends in Cognitive Science and its Applications-2023
- [3] 4th ICAC3N-22: Participated in 4th international Conference on Advances in Computing, Communication Control and Networking,2022 for presenting a paper titled with Travelling Sales-Person Problem Using Soft Computing – Genetic Algorithm Techniques-2022

- [4] ISEA: Attended Online Teacher Training on Cyber Safety and Security Organized by SCERT-2019
- [5] TRSMA: Attended an Education Expo -2019 conducted by Telangana Recognized School Management Association.
- [6] ICACECS Workshop: Attended Recent Research Applications and Hands on Sessions in Natural Language Processing using ML and DL Approaches-2021

5. Certification Courses (NPTEL/Udemy/Coursera/Edx) :

- [1] **Udemy Online Certification:** Successfully completed 72.5 total hours of **Learn Python Programming Masterclass**, Python3 online course on 12th **April 2022**, from Udemy Online certification course.
- [2] **Udemy Online Certification:** Successfully completed 5 hours of **Learning Natural Language Processing for Text** online course on 21st **Sept 2021**, from Udemy Online certification course.
- [3] **Udemy Online Certification:** Successfully completed 1.5 hours of **Creating your own voice Assistant (Natural Language Processing Techniques)** online course on 08th **May 2021**, from Udemy Online certification course.
- [4] **Google Certification:** Successfully completed certificate Exam **Google Adwords** on **March 2019**
- [5] **Alison Online Certification:** Successfully completed certificate in **Computer Network Security** online course bearing Credential Id: 1077-10674880 on March 2019
- [6] **Alison Online Certification:** Successfully completed certificate in **Database Management System** online course bearing Credential Id: 1416-10674880 on March 2019

5.2. Articles / Chapters published in Books: Nil.

5.3. Books published as single author or as editor: Nil.

5.4. Projects Guided:

- a) UG: Nil
- b) PG: Nil

5.5. Research Interests: Natural Language processing, Artificial Intelligence, Machine Learning

6. Papers published in Reviewed Journals

- [1] **Sampath Alankritha**, G.S Ramesh, A.Brahmananda Reddy “A Study on Extractive Text Summarization via Speech Assistor using Phrase-Based Statistical Machine Translation, Mukta Shabd Journal Volume XI, Issue VII, July 2022, ISSN NO: 2347-3150, **UGC Approved journals**, Impact Factor: 4.6, DOI:10.0014.MSJ.2022.V11I07.0086781.1135820
- [2] **Sampath Alankritha**, G.S Ramesh, Padmavathi Nayak “Extractive Approaches for Text Summarization using Phrase-Based Statistical Machine Translation and Speech Recognition,

Neuroquantology, Scopus Indexing, Volume 20, Issue 11, September 2022, Page NO:3556-2569, ISSN NO: 1303-5150, DOI NUMBER: 10.14704/NQ.2022.20.11.NQ66364

- [3] Abhinav Borad, Karnam Akhil, A Madhavi, **Sampath Alankritha**, Mandalapu Akhil “Travelling Salesperson Problem Using Soft Computing – Genetic Algorithm Techniques” 2022 4th International Conference on Advances in Computing, Communication Control and Networking (ICAC3N), IEEE, **ISBN:978-1-6654-7437-5** IEEE Xplore: 28 March 2023 **DOI: 10.1109/ICAC3N56670.2022.10074286**

7. Project Proposals

SNO	TITLE OF THE PROPOSAL	SUBMITTED TO	ESTIMATED BUDGET:	STATUS
1.	"Building a Knowledge Base to find Micronutrient Deficiencies from Soils to Recommend Organic Manure and Crop Rotations: Enhancing the Socio-Economic State of the Farmer Community and to improve Human Immune System"	Department of Biotechnology Ministry of Science and Technology Government of India New Delhi, India. System no: Submitted On 21-01-2023 System -[49321]" Domain: Agriculture	Rs 4020360/- (Forty lakh twenty thousand three hundred and sixty).	Evaluation under progress.

8. Patent

SNO	TITLE OF THE PATENT	SUBMITTED TO	APPLICANT	Patent Number	STATUS
1.	"A Knowledge Based Method to Recommend suitable Crops for Soils with Identifying Micronutrient Deficiencies"	INDIAN PATENT OFFICE Sampath Alankritha et.al, Domain Agriculture	VNR Vignana Jyothi Institute of Engineering Technology	Patent Application No- 202341037694	Filed