

KESHAV MEMORIAL INSTITUTE OF TECHNOLOGY

Narayanaguda, Hyderabad-500029

FACULTY PROFILE

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1. NAME : S.RAJASEKARAN
2. JNTUH REGISTRATIONID :
3. DATE OF BIRTH : 29/11/1970
4. DESIGNATION : Professor
5. YEARS OF EXPERIENCE : 27 Years
6. UG DEGREE : B.Sc. Mathematics
7. PG DEGREE : M.Sc. (IT), MPhil (Computer Science)
8. Ph.D (AREA OF THE PH.D WORK) : PhD (Bioinformatics)
9. SUBJECTS TAUGHT :



10. PAPER PUBLICATIONS IN INTERNATIONAL JOURNALS:

- i. Rajasekaran Subramanian et al. **"Automatic Breast Cancer lesion detection and classification in Mammograms using Faster R-CNN deep learning network"**, Biomedical and Pharmacology Journal (Accepted for publication).
- ii. Rajasekaran Subramanian et al. **"Automatic Classification of Sentinel Lymph Node (SLN) Metastases in Breast Carcinoma Whole Slide Image (WSI) through DenseNet Deep Learning Network"**, IP Journal of Diagnostic Pathology and Oncology, Volume 5, Issue 2, June 2020.
- iii. Rajasekaran Subramanian, Devika Rubi, Sai Sandeep Mutyala, **"Automatic Carcinoma Identification from Breast Epithelial Tissue WSI through U-Net Deep Learning Network"**, IP Journal of Diagnostic Pathology and Oncology, Volume 5, Issue 2, June 2020.
- iv. S.Rajasekaran, L.Arockiam, **"Frequent Contiguous Pattern (FCP) mining in Genomic sequence analysis and Pattern Discovery"**, Journal of Chemical and Pharmaceutical Sciences (JCHPS), Volume 8 Issue 1, Jan - Mar'15, Page 29-33.
- v. S.Rajasekaran, L.Arockiam, **"DNA-Drug_FCP: An efficient computational method for DNA-Drug Design using frequently repeated patterns in a large Human Genome Database"**, Journal of Chemical and Pharmaceutical Sciences (JCHPS), Volume 8 Issue 1, Jan - Mar'15, Page 25-28.
- vi. S.Rajasekaran, L.Arockiam, **"SequentialPR_FCP: BigData Pattern decomposing algorithm to Identify Frequent Contiguous Patterns (FCP) from Large DNA Sequence Database using Permutations with Repetition (PR)"**, International Journal of Applied Engineering and Research (IJAER), Vol 10, Number 8 (2015), Page 19477-19488.
- vii. S.Rajasekaran, L.Arockiam, **"Positional_nFCP: Positions based Big Data algorithm to Identify n_length Frequent Contiguous Patterns (FCP) in a Large Human Genome Sequence Database"**, International Journal of Applied Engineering and Research (IJAER), Volume 9, Number 24 (2014), Page 23771-23780.
- viii. S.Rajasekaran, L.Arockiam, **"Frequent Contiguous Pattern mining algorithms for biological data sequences"**, International Journal of Computer Applications (IJCA), Volume 95, Number 14, June, 2014, Page 15-20.

11. PAPER PUBLICATIONS IN INTERNATIONAL CONFERENCES:

S. No.	Title with Page Nos.	Details of Conference Publication	ISSN/ISBN No.
1	An Ensemble-based Active Learning for Breast Cancer Classification	2019 IEEE International Conference on Bioinformatics and Biomedicine (BIBM), San Diego, USA	ISBN:978-1-7281-1868-0
2	IndexedFCP – An Index based approach to identify Frequent Contiguous Patterns (FCP) in Big Data	Proceedings of IEEE International Conference on Intelligent Computing Applications, Bharathiar University, Coimbatore, Mar'14	Electronic ISBN:978-1-4799-3966-4

12. PAPER PUBLICATIONS IN NATIONAL CONFERENCES:

S. No.	Title with Page Nos.	Details of Conference Publication	ISSN/ISBN No.
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13. RESEARCH PROJECTS UNDERTAKEN WITH NAME OF THE SPONSORING AGENCY:

CADSC-Computer Aided Disease Detection System for Cancer
DBT-BIRAC, Dept. of Biotechnology, Govt. of India, New Delhi

14. RESEARCH GUIDANCE: Research and Development of Clinical Imaging

Research for Breast Cancer involving 15+ students

15. CONTRIBUTIONS AT THE DEPARTMENTAL LEVEL: None**16. CONTRIBUTIONS AT THE COLLEGE LEVEL:****17. REFRESHER COURSES/WORKSHOPS/CONFERENCES ATTENDED:**

	Attended:			
	Name of the Course / Summer School	Place	Duration	Sponsoring Agency
1				
2				
3				
4				
5				
6				

18. WORKSHOPS/ CONFERENCES/SEMINARS/FDP's ORGANIZED:

WORKSHOPS/ CONFERENCES/SEMINARS/FDP	Place	Duration	Sponsoring Agency
<i>Biomedical Imaging Research</i>	Webinar	2 Hours	

19. MEMBERSHIP OF PROFESSIONAL BODIES: Project Management Institute, PA, USA

20. ANY OTHER CONTRIBUTION: