

RNS Institute of Technology, Channasandra, Bangalore-560098
ECE Dept | RESUME - Faculty

Name	Prakash Tunga P		
Date of Birth	26/12/1980		
Address	<i>Contact Address:</i> Prakash Tunga P., Asst Professor, Department of ECE, RNSIT, Bangalore-98 E-mail: prakashtunga.p@gmail.com		
Subject / Discipline/ Major	<i>Electronics and Communication Engineering</i>		
Educational Qualifications	Exam Passed	Institution University	Year
	Degree: BE(ECE)	Dr. Ambedkar Institute of Technology, VTU	2002
	PG: M.Tech(Branch)	BMS College of Engineering, VTU	2005
	Ph.D. (Pursuing): Medical Image Processing (Area)	RNS Institute of Technology, VTU	
Experience	Nature of Experience	No. of Years	
	Teaching	15.83 (15 years and 10 months)	
	Industry/Research	0.75 (9 months)	
	Total No. of years of Experience	16.58 (16 years and 7 months)	
Experience Details	Designation	Institution/ Organization	Duration
	Assistant Professor	Dr.Ambedkar Institute of Technology	Sep 02 – Jan 03 Mar 03 -- Jun 06
	Member-Technical Staff	Ramp Plus Technologies	Jun 05 – Mar 06
	Assistant Professor	RNS Institute of Technology	Mar 06 – Till date
Professional bodies Membership details			
Other Professional Experiences	<ul style="list-style-type: none"> • 		
Areas of Research Interest & Guidance	<ul style="list-style-type: none"> • Image processing & Computer vision 		
National/ International Work Shops/ Seminars / Conferences Attended	<ul style="list-style-type: none"> • 3 days FDP on “<i>Python programming and applications</i>” from 18 – 20, June 2018 at RNSIT, Bengaluru. • IEEE sponsored 3-day workshop on “<i>Computer Networks Laboratory using NS3, NCTUNS and C/C++</i>” during January 23-25, 2018 at RNSIT, Bengaluru. • FDP on “<i>Special Topics in Optics and Photonics</i>” from 27th to 28th January - 2017 (2 Days) at RNSIT, Bengaluru. • FDP on “<i>AI and ML Applications in image processing using modern tools</i>”, from 13th to 18th July 2020, organized by MSRIT Bengaluru. • ATAL FDP on “<i>Recent Trends in the world of Photonics</i>” from 26th July to 30th July 2021(5 Days) at RNSIT, Bengaluru. 		
PapersPresented /Books Published	<ul style="list-style-type: none"> • Prakash Tunga P. and Vipula Singh, “Extraction and Description of tumour region from brain MRI using segmentation techniques”, in 2016 IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, pp. 1571-1576, held on 21-22 May 2016 [12 citations]. • Prakash Tunga P. and Vipula Singh, “Brain tumor extraction from brain MRI images using clustering methods and evaluation of their performance”, in 4th International Conference on Computing, Communication, Control and Automation, at PCCOE Pune, 5 pages, 16-18 Aug 2018 [2 citations]. 		

Additional Information
(if any)

- Prakash Tunga P. and Vipula Singh, “Extraction of Tumor in Brain MRI using Support Vector Machine and Performance Evaluation”, VTU Journal of Engineering Sciences and Management (VJESM), Vol. 1, No. 3, pp.1-5, Nov 2019.
- Vilas B.M., Abhinav N., Akshatha H., Manjushree H., Prakash Tunga P. and Vipula Singh, “Automatic Brain Tumor Segmentation using Densenet”, in International Journal of Engineering and Technology (IJERT), Vol.7, No. 6, pp. 2703-2707, 2020.
- Prakash Tunga P., Vipula Singh, V. Sri Aditya and Subramanya N., “U-Net Model-based Classification and Description of Brain Tumor in MRI Images”, in International Journal of Image and Graphics (IJIG), 2140005, (19 pages), <https://doi.org/10.1142/S0219467821400052>, 2021.
- Prakash Tunga P. and Vipula Singh, “Compression of MRI Brain Images based on Automatic Extraction of Tumor Region”, in International Journal of Electrical and Computer Engineering (IJECE), Vol.11, No. 5, pp. 3964-3976, 2021.
- Passed NPTEL certification course on Deep Learning in Nov 2019.
- Handled significant part of Microelectronic Circuits (10EC63) course in VTU EDUSAT Programme in the year 2013.
- Handled significant part of Network Analysis (15EC34) course in VTU EDUSAT Programme in the year 2017.
- Speaker in the DSP Lab workshop conducted by Department of Electrical Engineering, RNSIT, Jan 2018.
- Have set the question papers for VTU, Autonomous Institutions – MSRIT, NMIT and Dr. AIT.
- Have scored a percentile of 98.12 in GATE 2003 with **All India Rank of 580** in ECE stream.