Dr. Rakesh Prabhu

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Summary:

Having lot of passion in the field of electronics. I developed a novel technique for Liver Tumor Detection from computed tomography Image, during PhD. (Research Experience). Seeking a career to share my knowledge and experience in the field of Image Analysis, also gain more experience in the field, to prove me the best for society. Seeking the position in organization thatwill enhance my horizon of knowledge and gives me the chance to prove myself has thebest candidate in the organization.

Education:

Doctor of Philosophy in Electronics

Department of Electronics
Mangalore University, Karnataka
PhD. Awarded, April 2021

Master of Science in Electronics

Department of Electronics
Mangalore University, Karnataka
Post Graduate, August 2011, Marks 77.85 %

Bachelor of Science

Vivekananda College, Nehru Nagar, Puttur
Mangalore University, Karnataka
Graduated, June 2009, Marks 70.50 %

Doctor of Philosophy:-

Bio-Medical image Processing is a key area of my Ph.D. work and developed "A **novel technique for Liver Tumor Detection from computed tomography Image."** Imaging system provides Data, the data is used and developed technique is able to provide detail. The developed technique help radiologist and doctor keep follow-up during patient treatment.

Internship:-

Undergone six months industrial training at **ISRO Bangalore**, Project entitled **"Development of Virtual Instrumentation and Control System for Vacuum Outgassing and Deposition Test Facility.**

Achievement:
1. Second Rank in M.Sc. Electronics
2. Cleared National Eligibility Test during December 2012

Skills:

1. Skilled with subject VHDL, Verilog, Image Processing, Digital Signal Processing, embedded system
2. Good interpersonal skills, Strong communications skills as an author, lecturer, teacher, debater
3. Polite, patient and excellent relationship builder
4. Excellent interpersonal, writing, verbal communication and research skills
5. Proficiency in **MATLAB, LAB-VIEW, Keil uvision5, MP-LAB, Arduino, Python**
6. Strategic planning, organizational and leadership skills

Papers Published in International Journal and conference proceedings
❖ Publications in International Journal

1. Rakesh Prabhu, A. M. Khan, Comparison of Bio-Medical Image De-noising Technique to Pre-process Abdomen Computed Tomography Images. International conference on Energy, communication, data Analytics and soft computing (ICECDS-2017) is published in the conference proceeding by IEEE. Which is included in IEEE Xplore, IEEE catalog Numbers: CFP17M55-PRT/978-1-5386-1886-5.
2. Rakesh Prabhu, A. M. Khan, Effective Liver Image Segmentation from Abdomen Computed Tomography Images Using K-Mean Technique. International Journal of Electronics, Electrical and Computational System (IJEECS) ISSN 2348-117X Volume 6, Issue 9 September 2017.
3. Rakesh Prabhu, Dr. A. M. Khan, An Approach on Morphology Image Processing. International Journal of Electronics, Electrical and Computational System (IJEECS) ISSN 2348-117X Volume 7, Issue 4 April 2018.
4. Rakesh Prabhu, A. M. Khan. A Study of Bio-medical Image Registration Algorithms, International Journal of Engineering Technology Science and Research (IJETSR) ISSN 2394 – 3386 Volume 4, Issue 9 September 2017.
5. Rakesh Prabhu, A. M. Khan. "A Study on De-Noising Technique to Pre-Process Computed Tomography Image for Image Registration". Journal of Research in Science, Technology, Engineering and Management (JoRSTEM) ISSN: 2456-0197, Vol. 2 Issue 3, 2016 pp 58-63.

❖ Papers Presented in National and International Conference and Published in conference proceedings

1. Rakesh Prabhu, A. M. Khan, Comparison of Bio-Medical Image De-noising Technique to Pre-process Abdomen Computed Tomography Images. International conference on Energy, communication, data Analytics and soft computing (ICECDS-2017) 1st& 2nd August 2017 pp: 152-157. ISBN: CFP17M55-PRT/978-1-5386-1886-8.
2. Rakesh Prabhu, A. M. Khan, Effective Liver Image Segmentation from Abdomen Computed Tomography Images Using K-Mean Technique. 4th international conference on New Frontier of Engineering, Science, Management and Humanities, on 3rd September 2017 at Osmania University Hyderabad, ISBN 978-81-934288-3-2.
3. Rakesh Prabhu, Dr. A. M. Khan, An Approach on Morphology Image Processing. International Conference on Electrical, Electronics and Communication Engineering (ICEECE- 2018) at St. Peter's Engineering College, Maisammaguda, Dhulapally, Medchal-Malkajgiri Dist., Hyderabad, Telangana, India on 27th& 28th April 2018, ISBN: 978-93-87433-22-9.
4. Rakesh Prabhu, A. M. Khan. A Study of Bio-medical Image Registration Algorithms, 4th international conference on New Frontier of Engineering, Science, Management and Humanities, on 3rd September 2017 at Osmania University Hyderabad, ISBN 978-81-934288-3-2.
5. Rakesh Prabhu, A. M. Khan. "A Study on De-Noising Technique to Pre-Process Computed Tomography Image for Image Registration." International Conference on Emerging Trends in Science Technology Engineering and Management on 09th& 10th October 2015 pp. 315-319.
6. Rakesh Prabhu, A. M. Khan, "An Over View of Image Registration Techniques", Jnanarjana 2K14 6th National Science Conference on pp 144-151, 2014.
7. Rakesh Prabhu, A. M. Khan. Comparative Study of Automatic Registration Algorithms Based on Similarity Measure, Karnataka science & technology Academy. Bangalore (India), 2015. 185.

Workshop Attended:

1. Workshop on MatLab and Simulink
2. Workshop on Lab View
3. Workshop on Python
4. Workshop on Xilinx and MatLab
5. Workshop on teacher Competency Development for college teachers
6. Workshop on Anti-plagiarism
7. Workshop on Teacher competency Development

I hereby declare that the above mentioned information is true to best of my knowledge.

Date: 20-06-2021

Yours sincerely

Mangalore

(Dr. Rakesh Prabhu)