Dr. Rajlakshmi G

ASSOCIATE PROFESSOR

DEPARTMENT OF ISE

PROFILE

- Dedicated & Committed Faculty in Department of ISE, with 6 years of experience.
- Subjects Handled: C, C++, Internet of Things and Technology.
- Skills: A blog writer, Organizer & a good communicator/Speaker, writing articles, Listening Music, Playing Guitar, and Cooking.
- Reading has been my hobby since childhood. Reading has been something of an everyday interest that slowly grew as a habit. However, with present commitments towards studies reading comes at a premium.
- Very keen and dedicated in Yoga and have been lucky enough to demonstrate some yoga sessions to people.

CONTACT & LINKS

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Linkedin
https://www.linkedin.com/in/rajlakshmi-ghatkamble-8b17a988/

Twitter:
https://twitter.com/RajlakshmiGhat1

Blog:
https://www.blogger.com/blog/posts/6960692425452699189
http:

EDUCATIONAL QUALIFICATIONS

B.E(CSE)- S. G Balekundri Institute of Technology, Belgaum-2008-2012.
M.Tech (CSE)- T. John Institute of Technology, Bangalore-2012-2014.
Internship- Changwon National University, South Korea-2014.
Ph.D (Digital Image Processing)- CMR University-2015-2021

PROFESSIONAL EXPERIENCE

6 years

INSTITUTION/DEPARTMENT RESPONSIBILITIES

- Student Secretary in Programming Committee for the Computer Science branch student association (AICSES).
- Has served as a head coordinator for "SAMVEEKSHANA'12" held at S. G. Balekundri Institute of Technology in the year 2012. A National Level Technical Festival'.
- Have been the student editor for the college newsletter "Zephyr" for the period 2008-2009.

RESEARCH AREA/SPECIALISATION/ RESEARCH GRANTS/ PROJECTS IF ANY

Specialization: Digital Image Processing
Research Interest: Matching and grading of rice grains, pattern recognition, classification using digital image processing.

ACHIEVEMENTS/ ACCOMPLISHMENTS/AWARDS/RECOGNITION/GUEST LECTURES DELIVERED

1.) Secured the highest score in the M.Tech 4th semester with 96% marks.

2.) Have been fortunate enough to engage the motivational session to the students of CSE Dept, of S.G.B.I.T college, Belgaum as a resource person in the year 2020.

3.) Have been awarded the certificate of excellence in peer reviewing a research article for the "Journal of Scientific Research and Reports".

PUBLICATIONS/PATENTS/BOOKS	ASSOCIATION WITH PROFESSIONAL BODIES

PUBLICATIONS/PATENTS/BOOKS

1) "A Design and Implementation of Smartphone-Based AAC System" published in (JKIICE) Journal of the Korea Institute of Information and Communication Engineering in the year 2014.

2) "Matching and Grading of Variety of Rice Grains Through Digital Image Processing" presented in the RATE-14 Conference held at T. John Institute of Technology in the year 2014.

3) "Matching and Grading of Different Varieties of Rice Grains through Digital Image Processing" published in (IJCST) International Journal of Computer Science Trends and Technology – Volume 4 Issue 4, Jul – Aug 2016.

4) Presented a Poster based on" Food Security: Grading the Quality of Variety of Rice Grains Through Digital Image Processing" article at International conference 'Science and Technology for Management of Emerging Environmental Issues' organized by Bangalore University in association with World Organisation of Students and Youths (WOSY) in the year 2017.

5) Presented a paper on "Development of Novel Algorithm to Determine the Rice Varieties Using Digital Image Processing" article at the International Conference on

ASSOCIATION WITH PROFESSIONAL BODIES

- Member of Research Gate, Semantic Scholar, econpapers.

Responsible Business and Sustainable Development held at CMR University in the year 2017.

6) "Grading and Classification of Rice Grain Using PNN Technique in Digital Image Processing" published in (IJCST) International Journal of Computer Science Trends and Technology – Volume 6 Issue 6, in the Year 2018.

7) Presented and published a paper on "Classification and Grading of Rice Varieties Using Digital Image Processing" in the International Journal of Business Management and Information Technology in National Conference ICON-2019 on "Environmental Sustainability and Economic Growth- the way forward to 2030" held at New Horizon College, Bangalore, India in the year 2019.

8) Presented and published a paper on "Novel Method for Identification and Classification of Varieties of Rice Grains using KNN method in Digital Image Processing" article in National Seminar on "New India @ 75" held at S. E. A college of science, Commerce, and Arts, Bangalore, India in the year 2019.

9) Presented and Published a research article entitled as "Identification and Classification of Foreign Bodies from Rice Grains Using Digital Image Processing" in "Springer" in the international conference on ICT for sustainable development in concurrent with ICT awards the Excellence, Panaji, Goa, India which was was held on July 23-24 2020.

10) Secured two Patents on "Gardening Robot" and "Robo Umpire" based on digital image processing along with few other researchers.

PROFESSIONAL COURSES COMPLETED

Basic Python, Java.