Dr. Rajib Debnath, Former JRF-DRDO Project

Current Status:

Assistant Professor

Department of Computer Science and Engineering in School of Computing, K L University (Deemed to be University), Hyderabad Campus, Telangana 500075, India. [NIRF: 44, 2023]

Former Assistant Professor, Department of Computer Science and Engineering, School of Computing (SoC), Kalasalingam Academy of Research and Education, (Deemed to be University), Tamil Nadu, India.

Former Guest Faculty, Department of Computer Science & Engineering, Tripura University (A Central University), Suryamaninagar, Tripura, India – 799022.

Ph.D in Computer Science and Engineering under the sole supervision of Dr. Mrinal Kanti Bhowmik

Title of the Ph.D Thesis	: Detection of Weapon along with Profile in Video
Under Supervision of	: Mrinal Kanti Bhowmik, Ph.D
Date of Registration	: 26th September, 2016
Date of Provisional Ph.D Degree Award	: 8th March, 2022
Dataset Designed	: Tripura University Video Dataset for Crime Scene Analysis (TUVD-CSA) Dataset. It consists of 150 videos with 30fps that were captured by Nikon D5100 Digital Camera. Now it is publicly available

Ph. D Thesis Evaluated By:	(i) Indian Institute of Technology Guwahati
	(ii) Indian Institute of Engineering Science & Technology (IIEST), Shibpur

Research Work Experience

1. **Junior Research Fellow (JRF)** in Department of Computer Science and Engineering, Tripura University (A Central University), Sponsored by **Defence Research and Development Organisation (DRDO),** Govt. of India, [From September 2019 - December 2020]

2. **Research Assistant** in Department of Computer Science and Engineering, Tripura University (A Central University), Sponsored by **DeitY, MCIT, New Delhi,** Govt. of India, [From December 2013 - August 2014].

3. **Project Assistant,** in Department of Computer Science and Engineering, Tripura University (A Central University), Sponsored by **DeitY, MCIT, New Delhi,** Govt. of India, [From May 2012 - December 2013].

Journal Publications

1. **Rajib Debnath,** and Mrinal Kanti Bhowmik, **"A Comprehensive Survey on Computer Vision Based Concepts, Methodologies, Analysis and Applications for Automatic Gun/ Knife Detection",** Journal of Visual Communication and Image Representation, Indexed by **Science Citation Index Expanded (SCIE),** Vol. 78, pp. 103165, 2021, Impact Factor: 2.6, **Q1 listed journal.** [Google Scholar Citation: 10]

2. **Rajib Debnath,** and Mrinal Kanti Bhowmik, **"A Novel Framework for Automatic Localization of Gun Carrying by Moving Person Using Various Indoor Outdoor Mimic and Real time Views/Scenes",** IET Image Processing, Indexed by **Science Citation Index Expanded (SCIE),** Vol. 14, No. 17, pp. 4663-4675, 2021, Impact Factor: 1.773, **Q2 listed journal.**

Patent Filed (Waiting for Publishing)

1. **A System and a Method using GSNET for Presence of Gun in Complex Scenes,** filed on November 28, 2022.