

## Curriculum Vitae



**KANKAN SAHA**

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### **Personal Details:**

- Name : Kankan Saha
- Father's Name : Sri Paritosh Saha
- Mother's Name : Smt. Bima Saha
- Date of Birth : 1<sup>st</sup> December, 1985
- Residential Address : C/O – Paritosh Saha, Surya-Hari Villa, Sripalli, Badharghat, P.O: A.D. Nagar, Agartala, West Tripura, Pin – 799003
- Nationality : Indian
- E-mail ID : kankansaha@yahoo.com

### **Educational Qualification:**

- M.Tech. (Computer Science & Engineering) from Tripura University (A Central University), Tripura, India with Grade B (76.8%) in 2012.
- DAC (Diploma in Advanced Computing) (six month course) from Sunbeam Institute of Information Technology (SIIT), Karad, Maharashtra (August 2008 to February 2009).
- B.E. (Computer Science & Engineering) from National Institute of Technology, Agartala, with an aggregate of 65.53% in 2008.
- Higher Secondary (+2 stage) from T.B.S.E. in 2004.
- Madhyamik from T.B.S.E. in 2001.

### **Experience Details:**

- Working as **Assistant Professor** from 26.12.2016 to till date (approximately **3 years 8 months** as on 19/08/2020), in Computer Science & Engineering Department, Techno India Agartala, Affiliated to Tripura University (A Central University), Tripura, India.
- Worked as **Guest Faculty** from 25.03.2016 to 25.12.2016 (**9 months**), in Computer Science & Engineering Department, Techno India Agartala, Affiliated to Tripura University (A Central University), Tripura, India.
- Worked as a **Research Assistant** From 28.05.2012 to 31.08.2014 (**2 years 3 months**), in the DeitY, MCIT, New Delhi, Govt. of India, funded project entitled, “Creation of a Visual Face Database of North-Eastern People & Implementation of Techniques for Face Identification” in the Department of Computer Science & Engineering, Tripura University (A Central University), Tripura, India.

- Worked as a **Guest Teacher** (without honorarium) From January 2013 to June 2013 (**6 months**), in the Computer Science & Engineering Department, Tripura University (A Central University), Tripura, India.
- Worked as a **Research Assistant** From 03.08.2009 to 02.08.2010 (**1 year**), in the DIT, MCIT, New Delhi, Govt. of India, funded project entitled, “Development of Techniques for Human Face Based online Authentication System, Phase – 1” in the Department of Computer Science & Engineering, Tripura University (A Central University), Tripura, India.

#### **Laboratory Visits / Seminars / Workshops / Courses attended:**

- Short Term **Training Programme through ICT Mode** on “Management Issues of Laboratory and Workshop Class” (**FDP Training**), from 04.11.2019 to 08.11.2019 (1 Week), organized by National Institute of Technical Teachers’ Training and Research, Kolkata, Established by the Ministry of Human Resource Development, Govt. of India.
- **NPTEL Online Certification** (funded by the Ministry of HRD, Govt. of India) (**FDP course**) on “The Joy of Computing Using Python”, from July 2019 to October 2019 (**12 week** course), conducted by IIT Madras.
- **AICTE Faculty Workshop on “Examination Reforms”**, on 23.09.2019, organized by AICTE, at NIT Agartala (certificate yet to receive).
- Workshop on “Computational Aspects of Inflammatory Pain Related Diseases”, on 20.11.2015, organized by Department of Computer Science & Engineering, Tripura University (A Central University), Tripura, India.
- Workshop on “Emerging Areas in Wireless Networks & Communication”, on 01.08.2015 & 02.08.2015, organized by The Institution of Engineers (India), Tripura State Centre and Department of Computer Science & Engineering, Department of Information Technology, Tripura University (A Central University), Tripura, India.
- Workshop on “Intellectual Property Right (IPR)”, on 18.03.2015, organized by Department of Information Technology, Tripura University, in association with Tripura State Council for Science & Technology with support from Department of Science & Technology, Govt. of India, at Tripura University (A Central University), Tripura, India.
- Workshop on “Fundamentals of Image Analysis and Pattern Recognition”, from 06.02.2015 to 08.02.2015, organized by Department of Computer Science & Engineering in collaboration with Department of Information Technology, Tripura University (A Central University), Tripura, India.
- Author Workshop on “Understanding the books & Journal Article Publishing Process”, on 26.09.2014, organized by Elsevier in collaboration with Central Library, Tripura University (A Central University), Tripura, India.
- Workshop on “Activities of Society for Applied Microwave Electronics Engineering & Research in Emerging Fields of Computer & Electronics Science & Engineering”, on 05.07.2014, organized by Computer Science & Engineering Department, Tripura University (A Central University), Tripura, and SAMEER, IIT Bombay Campus, Powai, Mumbai, India.
- Workshop on “Digital Holography”, from 23.05.2013 to 24.05.2013, organized by Computer Science & Engineering Department and Information Technology Department, Tripura University (A Central University), Tripura, India.
- “National Institute of Electronics and Information Technology, Imphal” visit from 22.09.2012 to 06.10.2012, to create the North-East Indian (NEI) Face Database, sponsored by DeitY, MCIT, New Delhi, India.

- Attended the seminar on “Identification of Research Priorities in Tripura”, from 12.02.2011 to 13.02.2011, organized by Indira Gandhi National Open University (IGNOU), Agartala, Tripura, India.
- Workshop on “Neural Networks and Applications”, from 15.12.2009 to 17.12.2009, organized by Bayesian and Interdisciplinary Unit (BIRU), Indian Statistical Institute (ISI), Kolkata and Department of Statistics, Gauhati University, Guwahati, India.
- Attended the “International Conference on Rough sets, Fuzzy sets and Soft Computing”, from 05.11.2009 to 07.11.2009, organized by Department of Mathematics, Tripura University (A Central University), Tripura, India.
- “Tripura State Forensic Science Laboratory” visit from 24.10.2009 to 27.10.2009, sponsored by DIT, MCIT, New Delhi, at Tripura State Forensic Science Laboratory, Tripura, India.
- A practical training on “Computer Network & Communication”, from 04.06.2007 to 30.06.2007, sponsored by SDE (Computer), Bharat Sanchar Nigam Ltd., Tripura SSA, Agartala, at Bharat Sanchar Nigam Ltd., Agartala, Tripura, India.

#### **Seminars / Conference Presentations:**

- Delivered a talk on “**A Generalized Study on Appropriate Climate Responsive Technologies for Inclusive Growth and Sustainable Development**”, on the 45<sup>th</sup> Engineers Day, September 15, 2012, Organized by The Institute of Engineers (India) of Tripura State Centre and others, in Nazrul Kalakshetra, Agartala, Tripura.
- Presented a paper on “**Recent Advances in Face Databases for Face Recognition**”, in the 2<sup>nd</sup> National Conference on Mathematical Analysis and its Application (NCMAA12), April 5-6, 2012, Organized by Department of Mathematics, Tripura University (A Central University), Tripura, India.
- Presented a paper on “**Human Eye Detection using Harris Corner Detector**”, in the National Seminar on Rough Set, Fuzzy Set and Soft Computing (NSRFSC11), November 11-12, 2011, Organized by Department of Mathematics, Tripura University (A Central University), Tripura, India, in collaboration with Fuzzy and Rough Sets Association, Tripura, India.

#### **Total Publications: 7 (Seven)**

#### **Journal Publications: 2 (Two)**

- Mrinal Kanti Bhowmik, **Kankan Saha**, Priya Saha, and Debotosh Bhattacharjee, “DeitY-TU Face Database: Its Design, Multiple Camera Capturing, Characteristics & Evaluation”, In **Optical Engineering (OE) Journal of SPIE** (Indexed by *Science Citation Index (SCI)*), Special Section On Machine Vision: Processing, Components, And Systems, published by SPIE Digital Library, Vol. 53, Issue 10, pp. 102106, Jun. 20, 2014, ISSN: 0091-3286, **Impact Factor: 0.954**, doi: 10.1117/1.OE.53.10.102106.
- Mrinal Kanti Bhowmik, Goutam Majumder, Alak Das, **Kankan Saha**, and Debotosh Bhattacharjee, “Human Eye Detection Using Harris Corner Detector”, Journal of the Tripura Mathematical Society, published by **Tripura Mathematical Society**, Vol. 14, pp. 16-23, Dec. 2012, ISSN: 0972 – 1320.

#### **International Conference Publications: 2 (Two)**

- **Kankan Saha**, Priya Saha, Mrinal Kanti Bhowmik, Debotosh Bhattacharjee, and Mita Nasipuri, “Creation of North-East Indian Face Database for Human Face Identification”, Proceedings of SPIE-IS&T Electronic Imaging 2013, Track- Sensors, Cameras, and Systems for Industrial/Scientific Applications XIV, published by **SPIE Digital Library**, San Francisco, Burlingame, California, USA, Vol. 8659, pp.

86590Q, Feb. 3-7, 2013, doi: 10.1117/12.2002028.

- **Kankan Saha**, Rajib Debnath, Mrinal Kanti Bhowmik, Debotosh Bhattacharjee, and Mita Nasipuri, “North-East Indian Face Database: Its Design and Aspects”, Proceedings of the 4<sup>th</sup> International Conference on Advances in Recent Technologies in Communication and Computing (ARTCom 2012), organized by the Association of Computer Electronics and Electrical Engineers (ACEEE), published by **IET Digital Library**, Bangalore, India, pp. 270-274, Oct. 19-20, 2012, ISBN: 978-1-84919-929-2, doi: 10.1049/cp.2012.2546.

### **Book Chapters: 3 (Three)**

- **Kankan Saha**, Mrinal Kanti Bhowmik, Debotosh Bhattacharjee, “Anthropometric Measurement of North-East Indian Faces for Forensic Face Analysis”, Book chapter of “Computational Intelligence in Digital Forensics: Forensic Investigation and Applications”, in the series “Studies in Computational Intelligence”, Book edited by: A.K. Muda, Y-H. Choo, A. Abraham, S.N. Srihari, published by **Springer International Publishing**, Series Vol. 555, Switzerland, pp. 125-144, 2014, Series ISSN: 1860-949X, Print ISBN: 978-3-319-05884-9, Online ISBN: 978-3-319-05885-6, doi: 10.1007/978-3-319-05885-6\_7.
- Mrinal Kanti Bhowmik, **Kankan Saha**, Goutam Majumder, Debotosh Bhattacharjee, Dipak Kumar Basu, Mita Nasipuri, “Advances in Fusion Techniques of Thermal Infrared and Optical Images for Human Face Recognition”, Book Chapter of “Information and Knowledge Management - Tools, Techniques and Practices”, Edited by: Ajit Kumar Roy, published by **New India Publishing Agency**, New Delhi, India, pp. 233-266, Feb. 2013, ISBN: 978-93-81450-62-8.
- Mrinal Kanti Bhowmik, **Kankan Saha**, Sharmistha Majumder, Goutam Majumder, Ashim Saha, Aniruddha Nath Sarma, Debotosh Bhattacharjee, Dipak Kumar Basu, and Mita Nasipuri “Thermal Infrared Face Recognition – A Biometric Identification Technique for Robust Security System,” as a Book Chapter of “Reviews, Refinements and New Ideas in Face Recognition”, Edited by: Peter M. Corcoran, published by **InTech Open Access Publisher**, Vienna, Austria, Europe, pp. 113-138, Jul. 2011, ISBN: 978-953-307-368-2, doi: 10.5772/743.

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### Declaration:

I, hereby, declare that all the information furnished above is true to the best of my knowledge.

Kankan Saha  
Date: Aug. 19, 2020