

Name: **SRI GAUTAM PAL**

Dept: Computer Science & Engineering

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Designation - Assistant Professor

Nature of Association- Regular

Qualification: - B.Tech. (T.E.C.), M.Tech. (NIT Agartala), Ph.D. (Pursuing) (NIT Silchar)

Currently Teaching Subject: - Graph Theory, Artificial Intelligence, Soft Computing, Cloud Computing.

Area of Interest/ Specialization: - Video Image Processing, Soft Computing.

Date of Joining to TIT: - 26th September, 2008 (Current Job)

Journal Publication: International

1. **Gautam Pal**, Suvojit Acharjee, Dwijen Rudrapaul, Amira S. Ashour, Nilanjan Dey, “*Video Segmentation using Minimum Ratio Similarity Measurement*”, International Journal of Image Mining (IJIM). Publisher-inderscience, Volume 1, Issue 1(2015) pp. 87–110, Print ISSN: 2055-6039 Online ISSN: 2055-6047
2. Damian Schofield, Alexa Spillane, Edward Hinge, Andrew Houck, **Gautam Pal**, “*Using Social Media and Gamification to Measure Engagement with Study Abroad Programs*,” International Journal of Educational Research(IJER), Source Normalized Impact per Paper (SNIP): 0.908, Volume 3, Issue 4,(2016) ISSN (Online): PP. 2349–5219.
3. Dwijen Rudrapal, Smita Das, Swapan Debbarma, **Gautam Pal**, “*SMS Based Load Shedding Period Control System*”, International Journal of Computer Application (0975-8887), 29th August, 2011 International Journal of Computer Applications (0975 – 8887), September 2011, Volume 29– No.7.

Conference Publications: International

1. Suvojit Acharjee, **Gautam Pal**, Taiar Redha, Nilanjan Dey, Sayan Chakraborty, Sheli Sinha Chaudhuri(2014),”*Motion vector estimation using parallel processing*” Published in: Circuits, Communication, Control and Computing (I4C), 2014 International Conference . 21-22,Nov. 2014, Page(s): 231-236, Print ISBN:978-1-4799-6545-8 ; Publisher: IEEE.

Conference Publications: National

1. **Gautam P**, Dwijen R, Suvojit A, Ruben R, Sayan C, Nilanjan D, “Video Shot Boundary Detection: A Review,” Emerging ICT for Bridging the Future - Proceedings of the 49th Annual Convention of the Computer Society of India CSI, Volume 2",year="2015",pages="119--127", On Line isbn="978-3-319-13731-5" Publisher-Springer International Publishing.
2. Subhrajyoti Deb, Ashmita Chakraborty, **Gautam Pal**, “Investigation of Lightweight Cryptography for Securing Resource Constraint Devices in IoT”, National Conference on “Recent Trends in engineering and Technology, 2017(NCRTET-2017), 2017, pages-80-84, ISBN 978-93-87380-61-5, Allied Publishers Pvt. Ltd.

Project Work

1. Completed M.Tech. dissertation titled “**Automatic Video Segmentation and Key-Frame Detection Using Statistical Techniques**” Under the Guidance of Mr. Dwijen Rudrapal , Assistant Professor, CSE Department, NIT Agartala, India & Dr. Partha Pratim Mohanta, Associate Scientist ‘A’, ECS Unit, ISI Kolkata, India in the year 2015.
2. Completed Project work titled “**Optimization and Performance Benchmarking of Image Processing Techniques on Android Platform**” (ID No. UG2015016) sponsored by The Institution of Engineers (India) under R & D grant of Computer Technology Division along with Sri Ananda Bibek Ray and Sri Rahul Bin, final year B.E. Computer Sc. & Engg. Students of Tripura Institute of Technology Agartala in the year 2015.
3. Completed Research work titled “**Effect of Rigid, B-Splines and Demons Registration on Biomedical Video Watermarking**” with financial grant from TEQIP-II project in collaboration with Sri Nilanjan Dey, Assistant Professor, (CSE Deptt.), Bengal College of Engineering and Technology, Durgapur, Burdwan, West Bengal and Sri. Suvojit Acharjee, Assistant Professor, (ECE), NIT, Agartala in the year 2016.
4. Completed project work on “**SUNY Oswego Culture Project**” with Damian Schofield, Director, HCI, Deptt of Computer Science, SUNY (Oswego) as per letter No.F. (46-2)-DHE/GTCA/09/9292 dated, Agartala, the 26/02/2015 in the year 2016.

Teaching Experience

- 1) As Visiting Lecturer in Tripura Engineering College, Jirania, Tripura from 10-12-2003 To 20-04-2004.
- 2) As Support Programmer in National Informatics Centre, Tripura State Centre, Agartala, Tripura from 21-04-2004 To 20-07-2004.

- 3) As Senior Programmer in Tripura Institute of Technology, Narsingarh, Tripura from 21-07-2004 To 20-04-2008.
- 4) As Assistant Professor in Govt. Degree College, Dharmanagar, Tripura from 21-04-2008 To 25-09-2008.
- 5) As Assistant Professor in Tripura Institute of Technology, Narsingarh, Tripura from 26-09-2008 To Till Date.

Membership of Professional Bodies

- i) Life Member of Computer Society of India, Membership Type: Life (# **I1503337**).
- iii) Member of The Institution of Engineers (India) (**#M-1476321**).
- iv) Chartered Engineer Certification from The Institution of Engineers (India).
- v) Life Member of Cryptology Research Society of India (CRSI) (**# ID L/0651**).
- vi) The Science and Engineering Institute (SCIEI) (**#20131008004**).
- vii) Global Member, Internet Society (ISOC) (**#62081**).
- viii) Professional Member, International Association of Engineers (IAENG) (**#114338**).
- ix) International Association of Computer Science and Information Technology (IACSIT) (**#80342470**).
- x) The Society of Digital Information and Wireless Communications (SDIWC) (**#6479**).

Award / Achievements / Other

- 1) Obtained Highest Marks in Physics in the H.S. (+2) Examination (12th) Conducted by Tripura Board of Secondary Education (TBSE), Tripura (W) in 1999.
- 2) Member of the “Most Active Task Based Training (TBT) team of current Section” completing the task with best timing among the TBT participants in e-Yantra Robotic Lab Set up Initiative of IIT Bombay (under NMEICT project of MHRD, Govt. of India) in 2018.

Workshop/Convention Attended

- i) **“Algorithms for Mobile and Pervasive Computing”** during 24th - 26th, February, 2014 at NIT Agartala, organized by ACM Unit (ECSU), ISI Kolkata.
- ii) **“Video Image Processing”** during 24th – 26th January, 2014 at TIT Narsingarh, Durgapur sponsored by Technical Education Quality Improvement Programme (TEQIP), Phase II, Govt. of India.
- iii) **“Digital Image Processing and Multimedia Security”** during 30th December,2013 to 3rd December, 2014, one week duration, at NIT Durgapur sponsored by Technical Education Quality Improvement Programme (TEQIP), Phase II, Govt. of India.
- iv) **“Introduction to Open Source Software’s and Application”** during 16th - 20th December, 2013, one week duration, at NIT Durgapur sponsored by Technical Education Quality Improvement Programme (TEQIP), Phase II, Govt. of India.
- v) **“MATLAB and Its Application in Digital Image Processing and Pattern Recognition”** during 29th – 30th November, 2013 held at NIT Agartala sponsored by Technical Education Quality Improvement Programme (TEQIP), Phase II, Govt. of India.
- vi) **“Advanced Numerical Techniques Using MATLAB”** during 7th - 9th October ,2013, 3 days duration, at NIT Agartala funded by Technical Education Quality Improvement Programme (TEQIP), Phase II, Govt. of India.
- vii) **“Topic in DATAMINING”** during 10th - 21st June, 2013, Two Weeks duration, at Tripura Institute of Technology, Narsingarh sponsored by AICTE.
- viii) 14th North-East workshop on **“Computational Information Processing”** during 21st – 23rd January, 2013, 3 days duration at Tripura Institute of Technology, Narsingarh, sponsored by Electronics and Communication Science Unit(ECSU), ISI Kolkata.
- ix) **“A-VIEW”** on 30th November, 2012, 1 day, at Tripura Institute of Technology, Narsingarh.
- x) **“Introduction to Linux”** during 5th - 9th November, 2012, one week duration, at National Institute of Technical Teachers Training & Research, Kolkata.
- xi) **“e- Content & Learning Management System”** from 29th October, 2012 to 2nd November,2012, 1 Week duration, at National Institute of Technical Teachers Training & Research, Chennai.
- xii) **“Introduction to Research Methodologies”** from 25th June, 2012 to 4th July, 2012, Two Weeks duration, held at NIT Agartala conducted by IIT Bombay under NMEICT project.
- xiii) **“Understanding Embedded System”** during 04th-15th June, 2012, Two Weeks duration, at Tripura Institute of Technology, Narsingarh sponsored by AICTE.

- xiv) **“Programming in JAVA”** from 30th January, 2012 to 3rd February, 2012, 1 week duration, held at National Institute of Technical Teachers Training & Research, Kolkata.
- xv) 53rd Convention on **“Vision Towards Regional Cooperation”** and a seminar on **“Role of Engineers in Regional Cooperation”** during 12th - 16th January, 2012, one week duration, at Dhaka, Bangladesh organized by The Institution of Engineers(Bangladesh), Dhaka.
- xvi) **“IMAGE Processing”** during 14th - 15th. November, 2011, Two Days duration, organized by Electronics and Communication Science Unit(ECSU), ISI Kolkata at ICFAI University, Agartala, Tripura campus.

- xvii) **“MATLAB With Applications”** during 10th - 21st October, 2011, Two Weeks duration, at National Institute of Technical Teachers Training & Research, Chandigarh.

- xviii) **“Soft computing in Bioinformatics”** during 11th - 21st July, 2011, Two Weeks duration, at Tripura Institute of Technology, Narsingarh sponsored by AICTE.

- xix) **“How to Initiate E-Learning or Virtual Learning in Technical Institutions”** during 14th - 18th March, 2011, one week duration at National Institute of Technical Teachers Training & Research, Chandigarh.

- xx) **“Mission10x workshop”** in connection of Innovative Teaching Methodology from 30th November, 2010 to 4th December, 2010, 1 Week duration at Tripura Institute of Technology, Narsingarh Organized by **WIPRO**.

- xxi) **“Teaching Methodology”** during 18th - 22nd January, 2010, one week duration, held at National Institute of Technical Teachers Training & Research, Kolkata at Tripura Institute of Technology, Narsingarh campus.

- xxii) **“Topics on Artificial Intelligence”** during 12th - 16th October, 2009, one week duration at National Institute of Technical Teachers Training & Research, Kolkata.

- xxiii) **“Active Server Pages.NET”** during 4th - 8th September, 2006, one week duration at National Institute of Technical Teachers Training & Research, Chennai.

- xxiv) **“Visual Basic. NET”** during 21st - 25th August, 2006, one week duration at National Institute of Technical Teachers Training & Research, Chennai.

- xxv) **“R & M of PC Hardware”** during 21st February, 2005 to 4th March, 2005, two weeks duration, at Centre for Electronics Test Engineering(CETE), Kolkata.