Name	Chandan Jyoti Kumar
Designation	Assistant Professor Department of Computer Science & Information Technology Cotton College State University
Qualification	B.Tech. (NIT Silchar) M.Tech. (NIT Jalandhar) Pursuing PhD (Gauhati University)
Email	chandan14944@gmail.com
Area of Interest	Computer Vision, Digital Image Processing, Machine Learning. .

Experience:

July 2013- Feb 2015: Worked as an Assistant Professor in School of Technology, Assam Don Bosco University, Guwahati, Assam.

Feb 2015 onwards: Working as an Assistant Professor in the Dept of Computer Science & IT, Cotton College State University , Guwahati, Assam

Research Publications

- **Chandan Kumar** and Sanjib Kr. Kalita, *"Geometrical, Profile and HOG feature based Recognition of Meetei Mayek Characters",* **IEEE sponsored** International Conference on "Computing for Sustainable Global Development" , Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi, ISSN 0973-7529; ISBN 978-93-80544-20-5, 16th - 18th March, 2016.

- **Chandan Jyoti Kumar**, Sanjib Kr. Kalita and Uzzal Sharma, "Recognition of Meetei Mayek Characters using Hybrid Feature Generated from Distance Profile and Background Directional Distribution with Support Vector Machine Classifier", **IEEE sponsored** International Conference on Communication, Control and Intelligent Systems, IEEE Catalogue Number: CFP15C93-CDR | ISBN: 978-1-4673-7541-2, November 2015.

- Gurpreet Singh, **Chandan Jyoti Kumar** and Rajneesh Rani, "Performance Analysis of Different Classifiers for Recognition of Handwritten Gurmukhi Characters using Hybrid Features", **IEEE sponsored** International Conference on Computing, Communication and Automation (ICCCA2015), ISBN:978-1-4799-8890-7, September 2015.

- **Chandan Jyoti Kumar**, Sanjib Kr Kalita and Arup Sarmah, "Methods For Optical Character Segmentation: A Review", National seminar on Information Technology and its Impact In Business, ISBN: 978-93-5235-674-4,August 2015.

- **Chandan Jyoti Kumar** and Sanjib Kr. Kalita, "Line Segmentation of Handwritten Assamese and Meetei Mayek Scripts using Header-Line and Seam Carving Based Algorithm", **ISTE** sponsored International Conference on Research and Innovations in Engineering and Technology, *Amritsar College of Engineering and Technology, Punjab*, *ISBN: 978-81-924867-3-4* , December 19-20, 2014.

- **Chandan Jyoti Kumar** and Sanjib Kr. Kalita, "Line Segmentation in Handwritten Assamese and Meetei Mayek Script using Seam Carving Based Algorithm", **Optical Society of India** sponsored International Conference on Opto-Electronics and Applied Optics, *IEM Engineering Campus*, **Springer Proceedings in Physics**, *ISBN: 978-81-322236-6-5,* December 17-18,2014 .

- Soureen Das, Monit Sharma and **Chandan Jyoti Kumar**, "Developments in the Field of Text Segmentation of Handwritten Script in OCR", International Conference on Innovative Trends in Applied Physical, Chemical, Mathematical Sciences and Emerging Energy Technology for Sustainable Development, *Jawaharlal Nehru University, New Delhi, ISBN 978-93-83083-71-8,*April 19-20, 2014.

- **Chandan Jyoti Kumar** and Sanjib Kr. Kalita, "Degraded Text Recognition in Indian Regional Scripts: A Survey of Feature Extraction Techniques", International Conference on Green Energy & Smart Materials Through Science, Technology and Management *,Gauhati University, Guwahati, Assam*, January 21-23,2014 .

- **Chandan Jyoti Kumar** and Sanjib Kr. Kalita, "Developments and Challenges in the field of Optical Character Recognition in North East Indian Scripts" ,national Conference on Communication, Cloud and Big Data**,** proceedings published by ACCB publishing, England**,** *ISBN 978-1-908368-03-4*, December 2014 .

- Tanmay Bhadra, Joydeep Sonar and **Chandan Jyoti Kumar**, "Pedestrian Detection: A Survey of Methodologies, Techniques and Current Advancements" , national Conference on Communication, Cloud and Big Data, proceedings published by ACCB publishing, England, *ISBN 978-1-908368-03-4*, December 2014

- **Chandan Jyoti Kumar** and Sanjib Kr. Kalita, "Recognition of Handwritten Numerals of Manipuri Script", International Journal of Computer Applications, Vol 84,Issue 17, *ISSN: 0975 –8887*, doi: 10.5120/14674-2835, December 2013.

- Arbindu Dey, Arup Sharmah and **Chandan Jyoti Kumar** ,"Analysis and Modeling of an effective anomaly Detection Techniques for Detecting Data Exfiltration of Network*", International Journal of Modern Computer Science*, *ISSN: 2320-7868*, Volume 2, Issue 5, October, 2014.

- Arup Sharmah and **Chandan Jyoti Kumar**, "Iris Verification Using Legendre Moments and KNN Classifier", *International Journal of Engineering and Science Invention,* *ISSN: 2319 – 6734,* Vol 2, Issue 8, August 2013.

Book Chapters:

- "Application of Image Processing Techniques in Printed Document Forensic", book entitled Development and Adaptation in Science, Engineering and Technology, ISBN: 978-93-81691-26-7

- "Optical Character Recognition System" , book entitled Development and Adaptation in Science, Engineering and Technology, ISBN: 978-93-81691-26-7.

Workshop Organized/Coordinated/Attended as a Resource Person

- Participated as **Resource person** in the National workshop on "Android Application Development", University of Technology and Management, Shillong 10th -12th October 2015.
- **Coordinated** an workshop on "Stress management among Students", **Pub Kamrup College**, Baihata Chariali, Kamrup, Assam, 18th April, 2014.
- Participated as **Resource person** in the National-Level workshop on "Web Application development", organized by **DBCET and CMC ACADEMY, Assam Don Bosco University,** 2nd -12th June 2014.
- Participated as a **Teaching Assistant** in the Two week ISTE WORKSHOP on "COMPUTER NETWORKS", conducted by **Indian Institute of Technology Bombay**, 28th may-29th july (1 week online work) and 30th june-05th July, 2014.
- **Coordinator** of "Refresher Course on Programming Basics using C and C++", Don Bosco College of Engineering and Technology, **Assam Don Bosco University**, 13^{th}October-20th November, 2014.
- **Coordinator** of "Two Day workshop on Android Application Development", Dept of Computer Science, **Gauhati University**, 13th -14th march 2015.
- **Organizing committee member** of National Conference on "Emerging Global Trends in Engineering and Technology", DBCET, **Assam Don Bosco University**, Assam, 7-8th March 2014

Workshop/Conference/Seminar/Symposium Attended

- National Conference on "Recent Trends in Information & Communication Technology", CT Group of Institutions, Jalandhar, Punjab. February 22-23, 2013.
- CDAC sponsored National Symposium on "HPC in academia and beyond", Assam Engineering College,

Guwahati, Assam, October 05, 2013.

- Workshop on "Networking and Information Security", Don Bosco College of Engineering and Technology, Guwahati, Assam, November 11-12, 2013.

- Workshop on "Image and Speech Processing", IIT Guwahati, Assam, December 13-14, 2013.

- ISTE Workshop on "Signal and Systems", IIT KGP, DBCET (remote centre) Guwahati, Assam, January 2-12, 2014.

- National Conference on "Emerging Global Trends in Engineering and Technology", Don Bosco College of Engineering and Technology, Guwahati, Assam, March 7-8, 2014.

- Professional development program of "Transformation through Reflection and Critical Thinking", Don Bosco College of Engineering and Technology, Guwahati, Assam, July15-16, 2014.

- Seminar on "Distributed and Cloud computing", Royal School of Engineering and Technology, Guwahati, Assam, August 16, 2014.

- National Conference on "Emerging Trends in Entrepreneurship development in North East India", Assam Don Bosco University, Guwahati, August 22-23, 2014**.**

Awards/Achievements:

GATE 2011 Qualified (98 Percentile, June 2011)
UGC-NET (June 2013)
AIEEE (May 2007) (AIR 123, Assam)

Other Achievements:

- Reviewer of IEEE sponsored International Conference on Computational Intelligence in Data Mining, Orissa, 5th-6th December 2015.

- Reviewer of IEEE sponsored International Conference on Computational Intelligence in Data Mining, Orissa, 20th-21st December 2014.

- Editor of book entitled "Development and Adaptation in Science, Engineering and Technology", ISBN: 978-93-81691-26-7.

- Member of International Association of Engineers (IAENG).