

CURRICULUM VITAE OF Dr. PRODIPTO DAS

PERSONAL

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EDUCATIONAL

- **Post-Doctoral Fellow**, University of Plymouth, United Kingdom, 2012;
- **Ph.D.**, Assam University Silchar, Jan, 2011;
- **M.Sc.** (Computer Science) from Assam University Silchar 2003;
- B.Sc. (Computer Science) from Assam University Silchar 2001;
- H.S. (with PCM) from AHSEC 1998 College: G.C. College Silchar;
- HSLC (with Adv. Maths) from SEBA 1996 School: BNMP School Dholai, Cachar, Assam

RESPONSIBILITIES IN ASSAM UNIVERSITY

- **Convener**, Assam University Alumni Association, Assam University.
- **Member**, Departmental Research Committee, Dept. of Computer Science, AUS.
- **Editor**, *Informatica* Wall Magazine, Dept. of Computer Science, Assam University.
- **In Charge, Open Choice Course : Internet Technologies (MCS-203)**

Research SUPERVISION

- In 2011: Sajal Debnath, Area: VANET
- In 2012: Kefayat Ullah, Area: MANET;
Hrituparna Paul, Area: Sensor Networks;
Debasish Roy, Area: VANET;
L. Premchandra Singha, Area: MANET
- In 2014: C. Lalnunmawii
Nayanjyoti Majumder
- In 2015: Rosy Swami
- In 2016: Ishita Chakraborty
R. Chawnsangpuii
Karnish Tapadar

Ph.D. Awarded Scholars:

Abhijit Paul, Area: Sensor Networks (2015)

M.Phil. Awarded Scholars:

Hitesh Chakraborty, Area: Image Processing (2016)

MEMBERSHIP OF THE SCIENTIFIC/PROFESSIONAL BODIES

- **Member, IEEE** (No. 92408080)
- **Senior Member**, International Association of Computer Sciences & Information Technology (IACSIT), Singapore. (Member NO.: 80342879)
- **Member**, Association of Computing Machinaries (ACM), USA. No.: 8607094

AWARDS/RECOGNITIONS

- **Junior Research Fellowship (JRF)**, UGC-NET, December, 2006, UGC, Ministry of HRD, Govt. of India.
- **NET Lectureship**, UGC-NET, December, 2005, UGC, Ministry of HRD, Govt. of India.
- **DST International Travel Grant**, 2010, DST, Ministry of Science & Technology, Govt. of India to attend ICINC 2010, Malaysia.
- **UGC Merge-Plan Travel Grant**, 2010 from Assam University to attend ICINC 2010, Malaysia.
- **Member**, Editorial Board, International Journal “Advances in Computing”, Scientific and Academic Publishing, USA.
- **Member**, Editorial Board, International Journal Applied Science and Engineering, ND Publishers, India.
- **Best Paper Award**, 2007, National Conference NCSCA-2007, Bhubaneswar, Odisha.
- **Review Board Member**, Refereed International Journal on Network Security (IJNS) with ISSN (Online Version and Print Version), Taiwan.
- **Invited Session Chaired**, International Conference on Advances in Electrical Engineering, at Dhaka, Bangladesh, 19th - 21st December 2011.
- **Invited Talk** on “ICT and their uses”, in National Workshop at Karimganj College, September 8-10, 2011.
- **Keynote Address** on “Mobile Networks: Current and Future Trends” at Institution of Engineers (India), Silchar Center, 22nd Feb., 2012
- **Invited Talk** on “Programming Techniques in Computer Graphics” in a DBT funded Workshop in Karimganj College, 31st March 2012.
- **Invited Talk** on “Quality Issues of HD Video Technology” in an International Conference, MECON 2013, Amity University, Noida, 17-18 Jan, 2013.
- **Invited Talk** on “Quality Issues of Multimedia Communication” in a National Conference, RHEIT, 2013, Assam University Silchar, 6-7 Feb, 2013.
- **Invited Talk** on “Network Security: Present Trends and Future Prospects” in a National Seminar on Emerging Trends in Networking and Cloud Computing, 2014, Shillong College, Shillong, 31 Oct-1 Nov 2014.

TRAINING/WORKSHOP/SCHOOL/CONFERENCE ATTENDED

- **4th Refresher Course on ICT** at UGC-Academic Staff College, **Burdwan University** Burdwan, West Bengal 06-03-2013 to 26-03-2013
- **ISI-AUS Workshop** on Computational Information Processing at Assam University Silchar 03-07 December 2012.
- **86th Orientation Programme** at UGC-Academic Staff College, **Burdwan University** Burdwan, West Bengal 7-6-2012 to 4-7-2012
- **National Workshop** on Analog and Mixed Signal Design, National Institute of Technology,

Silchar, 16-20 Jan 2012

- **International Conference** on Advances in Electrical Engineering, ICAEE 2011, 19-21 Dec 2011, Independent University Dhaka, **Bangladesh**
- **Three Day National Workshop** on Accessibility and Quality Enhancement of Higher Education through ICT Integration, September 8-10, 2011, Karimganj College, India
- **International Conference** on Intelligent Networks and Computing, ICINC 2010, Kuala Lumpur, **Malaysia** 26-28 Nov 2010
- **National Conference on Current Trends in Computer Science, CTCS 2010**, Silchar, India 22-24 Feb 2010
- **IEEE International Conference on Wireless Communication and Sensor Computing**, ICWCSC 2010, **Chennai**, 2-4 Jan 2010, India
- **Short Term Course on Wired and Wireless Communication and Networks**, NIT Silchar, India 2009
- **IEEE International Conference on Advanced Computing and Communication**, ADCOM 2007, 18-21 Dec 2007, IIT Guwahati, India
- **National Workshop on NPTEL**, IIT Guwahati, 19-21 May 2007
- **National Conference on Current Trends of Communications and Devices** at Sikkim Manipal Institute of Technology, Sikkim, India, 26-28 October 2007
- **ISI-AUS Winter School on Image Processing**, Assam University Silchar, 18-22 Jan 2007
- **National Seminar on Fuzzy Mathematics & Applications**, Tripura University Agartala, 25-26 November 2006

Conference /Workshop etc ORGANISED

- **Co-ordinator**, 3-day ISI (ACMU)-AUS Winter School on Graph Algorithms with special focus on Applications to Network and VLSI, February 22-24, 2016.
- **Joint Secretary**, National Conference of Current Trends in Computer Science (CTCS 2010), February 22-24, 2010. Sponsored by, DoNER, DST, DIT & **Assam University Silchar**.
- **Co-ordinator**, ISEA Workshop on **Cyber Crimes and Cyber Hazards** in Assam University (collaboration with CDAC Kolkata) 26th April 2012.

VISITED ABROAD

- **Malaysia**, ICINC 26-29 November, 2010.
- **Bangladesh**, ICAEE 19-21 December 2011.
- **United Kingdom (UK)**, as **Visiting Research Fellow**, University of Plymouth, Aug., 2012

BOOKS/CHAPTERS EDITED

- Computer Graphics: Principles and Practices, **P. Das** , New Delhi Publishers, New Delhi, India, 2016. ISBN: 978-81-85503-
- Advanced Computing Applications, Databases and Networks, S. A. Begum and **P. Das** (Eds.), Narosa Publishing House Ltd., New Delhi, India, 2011. ISBN: 978-81-8487-109-8

PUBLICATIONS

Year: 2015

1. H. Chakravorty, R. Paul and **P. Das**, “Image Processing Technique To Detect Fish Disease”, International Journal of Computer Science & Security (IJCSS), Volume 9, Issue 2, 2015, pp. 121-131 ISSN: 1985-1553
2. R. Paul, H. Chakravorty and **P. Das**, “Neem Leaf Aspect Ratio Measurement Using

- Image Processing Technique”, *International Journal of Research and Scientific Innovation* Volume II, Issue VI, 2015, pp. 58-60, ISSN:2321- 2705
3. H. *Chakravorty* and **P. Das**, “Simulink Model Based Fish Disease Analysis”, *International Journal of Information Science and Computing*, Vol. 2, No. 1, June 2015, pp.41-48. ISSN : 2348-7437
 4. D. Roy and **P.Das**, “Collision Avoidance Protocol for Inter Vehicular Communication”, *International Journal of Computer Applications Technology and Research*, Vol. 4, Issue 10, pp. 767 - 776, 2015, ISSN: 2319–8656

Year: 2014

1. B. Souley, **P. Das** and S. Tanko, “A Comparative Analysis of Data Compression Techniques”, *International Journal of Applied Sciences & Engineering (IJASE)*, Vol. 2, No. 1, April 2014, pp. 63-82. ISSN: 2321-0745(Print)
2. **P. Das**, “A Qualitative Comparison of Reference Videos in Android based Mobile Devices”, *International Journal of Information Science and Computing*, Vol. 1 No. 1, 2014, pp. 35-41. ISSN 2348 – 7437
3. A. Paul and **P. Das**, “Flood Prediction Model using Artificial Neural Network” *International Journal of Computer Applications Technology and Research*, Volume 3, Issue 7, pp. 473 - 478, 2014. ISSN: 2319–8656 (Online)

Year: 2013

1. A. Paul and **P. Das**, “An Energy Efficient Routing Protocol for Wireless Sensor Networks for Rural Areas”, Proc. of Second International Conference on Computing and Systems, 2013 (ICCS – 2013), 21 – 22 September, 2013. (Accepted and in print Proc. with ISBN)
2. K. Ullah, R. Das, **P. Das** and B. S. Purkayastha, “Trust Evaluating for Secure Routing in MANET” (Abstract accepted in an IEEE National Conference on Research Trends in Computer Science and Application (NCRTCSA - 2014).

Year: 2012

1. **P. Das** and Lingfen Sun, “QoE based adaptation scheme for Video transmission over Wireless medium”, *IEEE Trans. On Multimedia*, 2012 (Communicated)
2. **P. Das** and A. Paul, “Implementation of Flood Monitoring System using Wireless Sensor Network in Barak river”, *Workshop on Analog and Mixed Signal Design*, National Institute of Technology, Silchar, 16-20 Jan 2012.
3. **P. Das** and A. Paul, “Design of Flood Monitoring System in Assam using Wireless Sensor Network”, *AUIJST*, Vol. 10, No. II, 2012, pp. 44-52

Year: 2011

1. R. Das, B.S. Purkayastha, **P. Das** and K. Ullah, “Simulation Study of Flooding Attack in the Mobile Ad Hoc Networks”, *AU Journal of Science & Technology*, AUJST, Vol. VIII, Number II 2011, pp. 48-52. ISSN: 0975-2773.
2. **P. Das**, Lingfen Sun and B. S. Purkayastha, “Propagation Study during Rain on DTH Service in North East India”, *AU International Journal of Science & Technology*, India, Vol. 7, No. 2, pp. 122-126, 2011. ISSN: 0975-2773 (Published)
3. R. Das, B.S. Purkayastha and **P. Das**, “Security Measures for Black Hole Attack in MANET: An Approach”, *International Journal of Engineering Science and Technology (IJEST)*, Vol. 3 No. 4 Apr 2011, pp. 2832-2838, ISSN: 0975-5462.
4. **P. Das** and B. S Purkayastha, “Improving the signal quality by reducing the uncertain

- errors with improved turbo codec”, Advanced Computing, Databases and Networks, S. A. Begum and **P. Das** (Eds.), Narosa Publishing House Ltd., India, 2011, pp. 221-225.
5. R. Das, **P. Das** and B. S. Purkayastha, “Algorithms and Protocols for Mobile Ad Hoc Networks- A Comparative Study”, Advanced Computing, Databases and Networks, S. A. Begum and **P. Das** (Eds.), Narosa Publishing House Ltd., India, 2011, pp. 264-270.
 6. **P. Das**, S. Debnath and A. Paul, “Estimation of Rain Attenuation over DTH Antenna in India using DAH Model”, *Proc. of International Conference on Advanced Electrical Engineering, ICAEE 2011*, Dhaka, Bangladesh.

Year: 2010

1. **P. Das** and B. S. Purkayastha, “Rain Attenuation of DTH Antenna using DAH Model based on 2010 Rain Data at Silchar City”, *AU International Journal of Science & Technology*, India, Vol. 6, No. 2, pp. 99-104, 2010. ISSN: 0975-2773 Available Online: www.inflibnet.ac.in/ojs/index.php/AUJSAT
2. **P. Das** and B. S. Purkayastha, “Investigation of Rain Effects over DTH and BER Modeling”, *AU International Journal of Science and Technology*, India, Vol. 5, No. 2, pp. 88-92, 2010. ISSN: 0975-2773 Available Online: www.inflibnet.ac.in/ojs/index.php/AUJSAT
3. **P. Das**, B. S. Purkayastha and A. Debnath, “Large File Transfer over Wireless Environment”, *Proc. of the 2nd International Conference on Computer Engineering and Applications (ICCEA 2010)*, Bali Island, Indonesia, 19-21 March 2010. (Available Online: <http://ieeexplore.ieee.org>)
4. **P. Das** and B. S. Purkayastha, “Developing Telepathic Power of Network using Neural Network Approach”, *Proceedings of the IEEE International Conference on Wireless Communication and Sensor Computing, ICWCSC 2010*, Chennai, 2-4 Jan 2010. (Available Online: <http://ieeexplore.ieee.org>)

Year: 2008

1. **P. Das** and B. S. Purkayastha, “Heavy Rain Effects over Communication in Hilly Area and Echo in Voice Signal Transmission: A Simulation”, *International Journal of Electronics, Communications and Computer Networks (ECCN)*, India Vol. 2, No. 8, Nov., 2008, pp. 478-486. ISSN: 0973-6875
2. **P. Das** and B. S. Purkayastha, “Heavy Rain Effects over Communication in Hilly Area: A Simulation”, *Journal of Information Technology, IJIT*, India, Sept 2008, Vol. IV, Issue 3, pp. 25-31. ISSN: 0973-2896 (Published)

Year: 2007

1. **P. Das** and B. S. Purkayastha, “High Altitude Hill Area Mobile Communication Network and its Problems”, *Proc. of National Conference on Current Trends of Communications and Devices* at Sikkim Manipal Institute of Technology, 26-28 October 2007.

Year: 2006

1. **P. Das**, “Soft Computing: An approach to maintain accuracy using Artificial Intelligence in Industrial Operations (Mainly in the Mobile Computation in North East India)”, *National Seminar on Fuzzy Mathematics & Applications*, Tripura University Agartala, 25-26 November 2006

(Prodipto Das)