PARTHA PRATIM RAY

Newtown, Netaji Road, By lane-2, PO + Dist- Cooch Behar, 736101
Contact Number: +91 03582 229967(R), +91 9433668194 (M)
Sep 2012

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PRESENT ENGAGEMENT

Jul'12 – Present **Assistant Professor** at the **Sikkim University (*Central University*), Gangtok,** in the Computer Sciences and Applications Department, School of Computer Sciences.

EDUCATION

2009 – 2011 MTech, **Electronics and Communication Engineering**
West Bengal University of Technology,
Kolkata, West Bengal, India, 88.60%, 1st Div

Specialization **Embedded Systems**

2004 – 2008 BTech, **Computer Science and Engineering**
West Bengal University of
Technology, Kolkata, West
Bengal, India, 74.09%, 1st Div

2002 – 2004 Higher Secondary, **Science**
Jenkins School, Cooch Behar,
WBCHSE, 85.80%, 1st Div

2000 – 2002 Secondary, **General**
Jenkins School, Cooch Behar,
WBBSE, 90.25%, 1st Div

OTHER ACADEMIC QUALIFICATION

2009 GATE qualified in **CS** with 91.62 percentile and 3470 rank

PUBLICATIONS

CONFERENCE

Ray, P. P., Banerjee, A., *Debugging Memory Issues in Embedded Linux: A Case Study*, ISBN : 978-1-4244-8942-8. Full Paper at IEEE TechSym 2011.

NATIONAL JOURNAL

Ray, P. P., *The green grid saga - a green initiative to data centers: a review*, Indian Journal of Computer Science and Engineering (IJCSE) 2010, ISSN: 0976-5166, Vol. 1 No. 4, pp. 333-339.

Ray, P. P., *Web based e-learning in India: the cumulative views of different aspects*, Indian Journal of Computer Science and Engineering (IJCSE) 2010, ISSN: 0976-5166, Vol. 1 No. 4, pp. 340-352.

INTERNATIONAL JOURNAL

Ray, P. P., Banerjee, A., Bag. B., *Debugging Invariant Issues in Pseudo Embedded Program: an Analytical Approach*, International Journal of Computer Science and Information Technologies (IJCSIT) 2011, ISSN: 0975-9646, Vol. 2 (2), pp. 780-785.

Ray, P. P., *OSD: A Source Level Bug Localization Technique Incorporating Control Flow and State Information in Object Oriented Program*, International Journal of Scientific & Engineering Research (IJSER) 2011, ISSN : 2229-5518, Vol. 2 (12), pp. 1-6.

Ray, P. P., *Universal Numeric Segment Display for Indian Scheduled Languages: an Architectural View*, International Journal of Computer Trends and Technology (IJCTT) 2011, Vol. 2 (2/2), ISSN: 2231-2803, pp.161-166.

Ray, P. P., *Translation of Bengali Terms in Mobile Phones: a Simplified Approach Based on the Prescriptions of Conventional Accent Understand Ability,* International Journal of Computer and Organization Trends (IJCOT) 2012, ISSN: 2249-2593, Vol 2(1), pp 33-38.

Ray, P. P., *Ray's Scheme: Graphical Password Based Hybrid Authentication System for Smart Hand Held Devices,* Journal of Information Engineering and Applications (JIEA) 2012, Vol. 2(2), ISSN: 2225-0506, pp.1-11.

Majumder, P.**, Ray, P. P.**, *Hatch-Sens: a Theoretical Bio-Inspired Model to Monitor the Hatching of Plankton Culture in the Vicinity of Wireless Sensor Network,* International Journal of Computer Science and Information Technologies (IJCSIT) 2012, ISSN: 0975-9646, Vol. 3(4), pp. 4764 - 4769.

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RESEARCH MONOGRAPH

Lambert Publishing **Automated Bug Localization in Embedded Softwares: A new paradigm through holistic approaches**
ISBN 978-3-8484-4439-7 , 80 Pages, March 2012.

TEACHING EXPERIENCE

Jan1211 – Jun12 **Assistant Professor** of **Computer Science and Engineering**
CSE, ECE, CE departments, Surendra Institute of Engineering and Management, Siliguri
CS201 and CS291-C programming from Jan-Jun, 2012.

SPECIAL INVOLVEMENT

2012 **Working Group (WG) member of IEEE Standard Committee**
P1908.1 standardization for "Virtual Indic Keyboard"

TECHNICAL TRAINING ATTENDED

2009 – 2010 **Infosys campus connect**
Collaboration between B. P. Poddar Institute of Management and Technology And Infosys Inc.
Computer paper theoretical and practical.

SHORT TERM COURSE ATTENDED

2010 **Advance DSP design techniques**
IIT Kharagpur

WORK SHOP ATTENDED

2011 **i-Robotics**
Haldia Institute of Technology, Haldia, West Bengal
15-16th Feb

2011 **Hawk-Board**
IIT Kharagpur
16th Jan

COMPUTER SKILLS

Development   Java, Linux, C, VB, Cygwin
Web Development   CSS, HTML, Kompozer, XMAMP 1.7.7, FileZilla
Embedded Tools   Busybox, Valgrind, Daikon, AVR GCC
Other Tools   LaTeX, Adobe CS5, MS Visio 7, AAA Logo maker 5

HONORS & AWARDS

2009 – 2011   Post Graduate Scholarship (A.I.C.T.E and M.H.R.D)

PROFESSIONAL MEMBERSHIP

2010   IEEE
                 No. 91152489
2010   International Association of Engineers (IAE)
                 No. 110263
2012   Institute for Computer Sciences, Social Informatics and Telecommunications Engineering (ICST)

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PERSONAL DETAILS

DOB   9th February, 1986
                         Cooch Behar, West Bengal, 736101
GENDER   Male

DECLARATION

          I hereby declare that all the information given above is true to my knowledge.

DATE:

PLACE: (Signature)