

Bio Data

Name: DR. JYOTSNA KUMAR MANDAL.

Designation: Professor of Computer Science & Engineering & Dean,
Faculty of Engineering, Technology & Management

Permanent address: Flat A 502, Fifth Floor, Green Valley Housing,
Chiriamore, Kaikhali, Kolkata 136, India,
Ph. 033-25736302.



Mailing address: Department of Computer Science & Engineering
Kalyani University, Kalyani, Nadia, West Bengal, Pin - 741235,
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Educational qualifications:

Degree/ Year	Subject	Class/Div	%of Marks	University
Graduation 1983	B.Sc.(Hons) in Physics	II	56.75	University of Burdwan
Post Graduation 1986	M.Sc. in Physics	I	65.70	Jadavpur University
Technological Degree 1987	M.Tech in Computer Sc.	I	75.25	University of Calcutta
Ph. D.(Engg.) 2000	Computer Engg.			Jadavpur University

Details of employment:

Institution	Designation	Period	Nature of Duties	Scale of Pay(Rs.)
Mishanti En gineers (P) Ltd. Calcutta	Trainee	16.11.87 to 31.08.88	Software development	Consl. 1500 pm
NERIST Arunachal Pradesh	Lecturer	06.09.88 to10.08.89	Teaching of Diploma &B. Tech.	2200-4000
Centre for Atms.Sc.in Proj,Study Norwesters	Programmer	16.08.89 to09.07.90	Design data base, Software development etc.	2200-4000

North Bengal University	Lecturer	11.7.90, 16.9.98	Teaching of MCA & DCA	2200-4000
North Bengal University	Reader	17.9.98 to 15.03.2005	Teaching of MCA M. Phil (Rs. & GIS)& DCA	12,000-18,300
Kalyani Government Engineering College	Professor	16.03.2006 to 27.03.2007	Teaching of M. Tech, M.C.A and B. Tech	16,400-22,400
Kalyani University	Professor	28.03.2007 to till date	Teaching of M. Tech, M.C.A and B. Tech	37,000-67,000

Qualification: M. Tech. in CSE (CU), Ph. D (Engineering (JU)).

Title of the Ph. D Thesis: *An Approach Towards Development of Efficient Data Compression Algorithms and Correction Techniques.*

Teaching & Research Experience: 25 years

Member of Professional Bodies: Life member of Computer Society of India since 1992 that of CRSI since 2009, AIRCC since 2011, Associate member of ACM since 2012, Fellow life member of IETE since 2012(Fellow MNo 232495), Executive Committee member of CSI Kolkata Chapter.

Area of Research: Coding Theory, Data and Network Security, Remote Sensing & GIS based Applications, Data Compression error corrections, Watermarking, Steganography and Document Authentication, Image Processing, Visual Cryptography.

Supervision of Ph. D:

- No. of candidate awarded: 9 (six in Computer Science & Engineering and three in Computer Science)
- No. of candidate submitted thesis: 0
- No. of candidate registered for Ph. D: 8(Computer Science & Engineering)
- No. of candidate enrolled for Ph. D: 2 (Computer Science & Engineering)

Awards received:

- A warded A. M. Bose Memorial Silver medal for securing highest marks in the paper "Nuclear Physics and Cosmic Rays" at M. Sc. And Kali Prasanna Dasgupta Memorial Silver medal for securing highest marks in the paper "Nuclear Physics and Cosmic Rays" at M. Sc.

- India International Friendship Society(IIFS) New Delhi conferred “Bharat Jyoti Award” for meritorious services, outstanding performances and remarkable role in the field of Computer Science & Engineering on 29th August, 2012.
- The International Publishing House, Delhi, India conferred “The Best Citizen of India Award 2012” in November 2012.

Total Number of publications: 271

Number of cited paper in Google Scholar since 2004 is 150 with 282 citation and 262 citations since 2007 (http://scholar.google.com/citations?hl=en&user=NIlye4UAAA&view_op=list_works&pagesize=20)

Book Published by International Publisher: 5

(http://www.amazon.com/s/ref=ntt_athr_dp_sr_2?encoding=UTF8&field-author=J.%20K.%20Mandal&search-alias=books&sort=relevancerank)

- **Title: Algorithmic Design of Compression Schemes and Correction Techniques – A Practical Approach, Publisher: LAP- Lambert Academic Publishing, ISBN: 978-3-8433-9274-7, January 2011(Author- J. K. Mandal)**
(http://www.amazon.com/s/ref=ntt_athr_dp_sr_2?encoding=UTF8&field-author=Jyotsna%20Kumar%20Mandal&search-alias=books&sort=relevancerank)
- **Title: Symmetric Encryption – Algorithm, Analysis and Applications:Low Cost based Security, Publisher: LAP- Lambert Academic Publishing, ISBN: 978-3-8454-2061-5, October 7, 2011(Author-P.K. Jha and J. K. Mandal)**
- **Title: Steganographic Techniques and Application in Document Authentication – An Algorithmic Approach, Publisher: LAP- Lambert Academic Publishing, ISBN: 978-3-8454-2919-9, August 30, 2011(Author- J. K. Mandal(Co-author) et al)**
- **Title: Optimization based Filtering of Random Valued Impulses – An Algorithmic Approach, Publisher: LAP- Lambert Academic Publishing, ISBN: 978-3-8473-7275-2, February 13, 2012 (Author-Somnath Mukhopadhyay and J. K. Mandal)**
- **Title: Artificial Neural Network Guided Secured Communication Techniques: A Practical Approach, Publisher: LAP- Lambert Academic Publishing, ISBN: 978-659-11991-0, June 4, 2012 (Author-Arindam Sarkar and J. K. Mandal)**

Technical Details of Ph. D Awarded:

1. Ghosh Alok, Principal, Future Institute of Technology & Management, Kolkata,”Towards Design and Implementation of An Approach on CMM(Capability Maturity Model) for the Quality Performance Measurement of Manufacturing Industries, Ph. D.(Engg.), Department of Computer Science & Applications, University of North Bengal, 2004
2. Mal, Satadal, Professor, Department of Electrical Engineering, Kalyani Government Engineering College, Kalyani,Nadia, India,”Development of Microprocessor Based Encoders for Secured Transmission”, Ph. D.(Engg.), Department of Computer Science & Applications, University of North Bengal, 2004
3. Dutta, Saurabh, Asst. Professor & Head, Computer Applications, Bengal College of Engineering & Technology, Durgapur, West Bengal, India,”An Approach Towards Development of Efficient Encryption Techniques”, Ph. D.(Sc.), Department of Computer Science & Applications, University of North Bengal, 2005

4. Jha, Pawan, Lecturer, Department of Computer Science & Technology, Purbanchasl University, Biratnagar, Nepal, "An Approach Towards Design and Implementation of Symmetric Encryption Techniques" Ph. D.(Sc.), Department of Computer Science & Applications, University of North Bengal, 2008
5. Sinha, Sarad, Lecturer, Department of Computer Science & Applications, University of North Bengal, Dist. Darjeeling, West Bengal, India, "An approach Towards Design and Implementation of Microprocessor Based Cryptosystems for secured Transmission", Department of Computer Science & Applications, University of North Bengal, 2008
6. Sarkar Souvik, Lecturer, R.K.M Residential College, Narendrapur, Kolkata 700103, "Application of Soft Computing Tools for Better Nanodevice Modeling and their Application in Digital Circuits", Department of Computer Science & Engineering, University of Kalyani, submitted on August 31st, 2009(Report Accepted(Ref. No. Ph.D/BRS/Engg. Tech. Mang./2010, dated 15.02.2010 at 1 pm. In the BRS). Awarded on 03rd March,2010.
7. Das Swarup, Lecturer, Department of Computer Science & Applications, University of North Bengal, Dist. Darjeeling, West Bengal, India,"An approach Towards Design of a GIS-Anchored Decision Support System for Tea Management", Department of Computer Science & Applications, University of North Bengal, awarded on May, 2010.
8. Ghoshal Nabin, Scientific Officer, Department of Engineering & Technological Studies, University of Kalyani, Title:"Towards Design and Implementation of Image Authentication/Secrete Message Transmission Technique using Steganographic Approach" submitted for Ph. D.(Engg.), Department of Computer Science & Engineering, University of Kalyani, Submitted January 18th, 2011, awarded on July 4, 2011.(Ref. No. Ph. D./Comput. Sc. & Engg./NG/72/2011, dated 06.07.2011).
9. Som Subhranil, Lecturer, Department of Computer Application, JIS College of Engineering, Kalyani, West Bengal, Title: "Towards Design and Implementation of Cryptographic Techniques for Secured Transmission" submitted for Ph. D.(Engg.), Department of Computer Science & Engineering, University of Kalyani, December, 2011, awarded 3rd. September, 2012

Technical Details of Ph. D Thesis submitted:

Nil

Collaborative Research/ Joint Supervision

1. Prof. Harjinder Singh Lallie, Senior Teaching Fellow – Cybersecurity, International Digital Laboratory (WMG), The University of Warwick, Coventry, CV47AL, www.warwick.ac.uk, <https://digital.warwick.ac.uk/E-Security/>
2. Dr. S. Sarkar, Professor, Department of Electronics, Jadavpur University.
3. Dr. S. Mal, Professor, Department of Electrical Engineering, Kalyani Government Engineering College.

4. Dr. Subarna Shakya, Department of Computer Science & Electronics Engineering, Tribhuban University, Kathmandu , Nepal.
5. Dr. Pawan Kumar Jha, Department of Computer Science & Engineering, Purbanchal University, Nepal.
6. Dr. Sripati Mukherjee, Professor, Department of Computer Science, University of Burdwan
7. Dr. Paramartha Dutta, Professor, Department of Computer & System Science, Visva Bharati, West Bengal
8. DR. Jimson Mathew, Research Assistant, Department of Computer Science, University of Bristol, merchant Venturers Building, Woodland Road, Bristol BS8 IUB UK, Ph +44 11795-45112, Fax.: +44 11795405208, Mail: jimson@cs.bris.ac.uk; mathew.jimson@gmail.com, Link: www.bris.ac.uk/engineering/people/jimson-mathew/index.html

- **No. of International Scholar:** 1(in Science):Degree awarded on 07.07.2008
The Scholar worked under SARC Collaborative Research Scheme with fellowship from UGC Nepal and Registered at University of North Bengal under the permission of Government of India.

AICTE Project Completed / Ongoing:

- Modernization of Laboratory Facility(2000-2002) – Rs. 7 Laks
- Microprocessor Based Encoder for Secured Transmission(2002-2005) – Rs. 2 Laks
- GIS Anchored Integrated Plantation Management: Tea(2004- 2007) – Rs. 9.8 Laks.
- IIPC Cell - AICTE, Govt. of India (April 2009 to March 2012) – Rs. 10.00 Lakhs
- MIT, Govt. of West Bengal, Basic Computer Training of School Teachers (July, 2010 to March, 2011) – Rs. 4 Lakhs.

M. Phil Dissertation Completed: 3 (North Bengal University) + 1 (Annamalai University, 2008)

M. Tech Dissertation Completed: 26 (Two from KU and two from Kalyani Govt. Engg. College in 2008, three from KU 2009, two from KU and two from KGEC in 2010. One from CU in 2011, three from KU 2011, One from CU in 2012, four from KU 2012)

MCA Dissertation Completed: More than sixty five(Since 1990)

MSC (CS) Dissertation Completed: (Four from WBSU, Two from VU):06(2012)

M. Tech Dissertation Started: 4 (KU) (2012)

MCA Dissertation Completed: More than sixty five(Since 1990)

MCA Dissertation started: (Five from KU) (2012)

MSC (CS) Dissertation started: (Four from WBSU):01(2012)

Special activities in Last Three years(2010-2012):

Chairing Sessions in Conferences:	17 sessions in seven conferences
Expert/Invited Lecture delivered:	20 in 20 international Conferences
Conference attended:	22
Expert Lecture as guest faculty:	4 x 5 days at Tripura University
Organizing Workshop:	14 Workshop/Seminar
Bok Published:	05

Special activities in 2012:

Chairing Sessions in Conferences:	7 sessions in seven conferences
Expert/Invited Lecture delivered:	12 in 12 international Conferences
Conference attended:	12
Expert Lecture as guest faculty:	1 x 5 days at Tripura University
Organizing Workshop:	7 Workshop/Seminar
Bok Published:	2

Invited Lectures 2012

1. Expert Lecture in the Refresher Course on Computer Science and IT at UGC Academic Staff College, Maulana Azad National URDU, Hyderabad, on 04.10.2012, Topic "Steganography and its Applications"
2. Invited Talk at Teqip Sponsored National Conference on "Multimedia, Image processing, Intelligent Computations and Security", Organized by Kolaghat College of Engineering & Management, East Midnapur, Topic: "Steganography and related Security", September 29-30, 2012.
3. Invited Talk at One day National Conference on "Image Processing & Security in Communication", Organized by Department of Computer Applications, Siliguri Institute of Technology, Darjeeling, Topic: "Secured Image Processing in Wireless Communication", September 10, 2012.
4. Invited Talk at National Conference on "Intellectual Property Rights and Patent Laws, IPRPL-2012", Organized by Greater Kolkata College of Engineering and Management at K.P. Basu Memorial Auditorium, Jadavpur University, Topic: "Aspects of IPR in Digital Systems and Related IT Acts", August 25, 2012.
5. Expert Talk at Kalyani Govt. Engineering College, Kalyani, Nadia, AICTE Sponsored Staff Development Programme (30.01.12-10.02.12) on 07.02.12, "Energy Dependent Security based on Adaptive Neural Secret Key for Ubiquitous Computing in Wireless Communication"
6. Invited Talk at UGC sponsored national conference "Research and Higher Education in Computer Science and Information Technology, RHECSIT - 2012" on An Adaptive Neural Secret Key Associated Recursive Modulo-2 Operation of Paired bits for Online Wireless Communication (ANSKPPE)", Conducted by Department of Computer Science, Sammilani Mahavidyalaya, Kolkata, in Collaboration with Dept. of Computer Science & Engg., University of Calcutta, February 21- 22, 2012

7. Invited Talk at UGC sponsored national conference “Recent Advances in e-Technologies” organized by Department of Computer Science, Netaji Mahavidyalaya, Arambagh, Hooghly, in Collaboration with Dept. of Computer Science., University of Burdwan, February 24 - 25, 2012
8. Invited Talk at Academy of Technology, Adisaptagram on 2nd International Conference on “Computer, Communication, Control and Information Technology”, topic “Watermarking in Transform Domains (WTD)”, February, 25-26 on 26.02.12
9. Visiting fellow under Merge Scheme at Department of Computer Science at Vidyasagar University, Midnapur, topic “Networking, Internetworking and Wireless Communications”, during March, 01-05, 2012.
10. Expert Lecture in the Refresher Course at Burdwan University on 14.03.2012 and 16.03.2012, Topic “Mobile and Wireless Communications”
11. Invited Lecture in second National Conference On Computing and Systems – 2012 (NaCCS 2012), Topic, “A Tribute to Steven Paul Jobs”, on 15.03.2012 at University of Burdwan, 2012.
12. Invited Lecture in UGC sponsored National Seminar on “ICT in Rural Governance in India: Theory & Practice” on 23rd & 24th March 2012 at Government Women’s College, Gardanibagh, Patna, 2012, Topic, “E-Technologies and its Applications in Rural Developments”.

Chairing Sessions:

1. UGC sponsored National Seminar on “**Global e-healthcare, Present Trends**” on 8th & 9th September 2012 at IETE Kolkata Centre (Plot – J1-7, Block-EP, Sector-V, Salt Lake Electronics Complex, Opposite WEBEL Bhawan, Kolkata-700091), 2012, One Session
2. UGC sponsored National Seminar on “ICT in Rural Governance in India: Theory & Practice” on 23rd & 24th March 2012 at Government Women’s College, Gardanibagh, Patna, 2012, One Session.
3. Second National Conference On Computing and Systems – 2012 (NaCCS 2012), on 16.03.2012 at University of Burdwan, 2012, One Session.
4. UGC sponsored national conference “Research and Higher Education in Computer Science and Information Technology, RHECSIT-2012, Conducted by Department of Computer Science, Sammilani Mahavidyalaya, Kolkata, in Collaboration with Dept. of Computer Science & Engg., University of Calcutta, February 21 - 22, 2012, on 21.02.2012.
5. 2nd International Conference on “Computer, Communication, Control and Information Technology”, during 25-26 February, Academy of Technology, Adisaptagram, 2012, on 26.02.12
6. INDIA 2012, (Springer) 5-7 January 2012, Visakhapatnam, One Session.
7. Chairing two sessions in ETCS 2012 at Barrackpur Rastraguru Surendranath College, 20-21 January 2012. Organizing the conference as organizer.

Special activities in 2011:

Chairing Sessions in Conferences:	6 sessions in six conferences
Expert/Invited Lecture delivered:	4
Conference attended:	6
Expert Lecture as guest faculty:	1 x 5 days at Tripura University
Organizing Workshop:	5 Workshop/Seminar
Bok Published:	3

Special activities in 2010:

Chairing Sessions in Conferences:	4 sessions in two conferences
Expert/Invited Lecture delivered:	4
Conference attended:	4
Expert Lecture as guest faculty:	2 x 5 days
Organizing Workshop:	2 Workshop/Seminar

Organizing Workshop/Conference:

1. Workshop, 4th March, 2010, on Android Operating System and its porting on Hawboard (omap138 from TI), Main Resource, Mr. Partha Acharya, Lead Engineer, Embedded and Wireless Group, SQL Star International Ltd.
2. Seminar, 4th Jan., 2011, Topic, “How to make your career in IT and Computers”, Main Resource, Mr. Sayan Lahiri, Senior Director, Sales IT, HP International California, USA.
3. Workshop, 28th March, 2011, Topic, “Industry Institute Interaction”, Resources - Mr. Anirban Ghosh, Architect Cognizant, CTS and Sanchayan Bhattacharya, Senior Systems Support, WIPRO Limited.
4. Workshop, 18th July, 2011, Topic, “Quality and standards in UK academia”, Main Resource, Dr. Clive Rosen, University of Derby, UK.
5. Seminar, 31st October, 2011, Topic, “Telecom Billing”, Main Resource, Mr. Avijit Dasgupta, Delivery Manager, Tech Mahindra Ltd.
6. Seminar, 14th November, 2011, Topic, “Data Warehousing”, Main Resource, Mr. Premasish Dan, Associate Consultant, Tata Consultancy Services Ltd.
7. Conference, 20th & 21st January, 2012, Topic, “Emerging Trends in Computer Science”, 25 papers presented and published with ISBN hard copy proceedings. ETCS 2012 in collaboration with University of Calcutta and Barrackpure Rastraguru Surendranath College (20-21, January 2012) as Programme Chair.
8. Workshop, 15th & 16th February, 2012, Topic “Use of TNT mips for GIS Application Generation”, Resources, Mr. Balen Basu, Director, OPSIS Systems, Dr. G. N. Saha, Ex-Director, NATMO, Govt. of India, Mr. S. Pal, OPSIS Systems.
9. Workshop, 12th – 16th March, 2012, Topic, “Industry Orientation Program”, Ardent Computech Pvt. Ltd., Kolkata
10. Workshop, 13th & 14th March, 2012, Topic, “GIS based Applications through TNT Mips” Resources, Dr. J. K. Mandal, Professor, Dept. of CSE, KU, Dr. B. Basu, Director, OPSIS Systems, Mr. S. Pal, OPSIS Systems
11. Seminar, 7th March, 2012, S, Topic, “How to Relate Industry – Institute”, Prabuddha Sinha Thakur – TCS and Subhro Sarkar – Tech Mahindra

12. Workshop, 19th March, 2012, Topic, “Recent Embedded Trends for Hand Held Devices”, Main Resource, Mr. Partha Acharya – Principal Engineer, Logitech Engineering & Design India Pvt. Ltd.
13. Workshop, 26th & 27th March, 2012, Topic, “Human Centered Design for Successful Products and Services”, Chandravalee Iyengar – Principal Consultant, User Interface Design
14. Workshop, 27th & 28th March, 2009, Topic, “Remote Sensing & GIS Application”, Various experts from IIT, Kharagpur, Government of West Bengal.

Conference Attended

1. UGC sponsored National Seminar on “ICT in Rural Governance in India: Theory & Practice” on 23rd & 24th March 2012 at Government Women’s College, Gardanibagh, Patna, 2012
2. Second National Conference On Computing and Systems – 2012 (NaCCS 2012), 15.03-2012-16.03.2012 at University of Burdwan, 2012.
3. UGC National Conference on Recent Advances in e-Technologies” organized by Department of Computer Science, Netaji Mahavidyalaya, Arambagh on 24.02.2012
4. IEEE International Conference C3IT 2012, at AOT Hoogly, 26.02.12
5. UGC National Conference RHECSIT – 2012 at Sammalani College, Kolkata, on 21.02.2012
6. Springer Sponsored INDIA 2012, at Visakhapattanam during 5-7 th January 2012
7. UGC Funded ETCS 2012 at Barrackpure during 20-21 January 2012

Reviewer

ETCS 2012, C3IT 2012,

Special activities in 2011:

1. Invited Talk at Rajagiri School of Engineering and technology, Kochin, on 22.12.2011, International Workshop on Embedded Computing and Communication System (IWCC 2011), <http://iwcc2011.org>, “A Frequency Domain Steganography using Z Transform (FDSZT)”.
2. Invited Talk at Science City, Kolkata on 27.12.2011, IEEE First International Conference on Communication and Industrial Applications (ICCIA 2011), IEEE Conference id 19700, “An Adaptive Neural Network Guided Random Key Exchange Technique for Low Energy based Online Wireless Communication”
3. Visiting Fellow of CSE, Tripura University September, 2011
4. Attended CII Workshop at JU on 07.09.2011 regarding Industry oriented Curriculum Development
5. Member of BOS, Burdwan University
6. Member, BOS, Gourbanga University
7. Expert member of selection Committee of IT and CSE, Tripura University.
8. Programme Committee member PDCTA-2011 of AIRCCSE, Springer

9. TPC member for the Software system and Application Design track (SSD) of International Symposium on Electronic System Design (ISED) 2011 to be held during 19-21 December 2011 at Kochi, India(<http://www.ised2011.org>).
10. Participated in the workshop “AVAYA intelligent Communication” held on 20.05.2011 at Hotel Hayat Regency, Kolkata.
11. One of the organizer of the UGC sponsored National Symposium, “Emerging Trends in Computer Science (ETCS 2011)” to held at Barrackpure Rastraguru Surendranath College, Barrackpure during 18-19 November 2011, jointly organized by Kalyani University, Calcutta University and Rastraguru Surendranath College.
12. Dr. D. S. Mukherjee Memorial Invited Lecture at the Department of CSE, Kalyani Govt. Engg. College, Kalyani, Nadia, Topic:”Steganography and various applications” on 22.03.2011.
13. Invited Lecture at the Department of CS, University of Burdwan, Topic: “RS-GIS – A new Horizon for Application Development”, for the participants of UGC Refresher Course on ICT, on 11.03.2011.
14. Participated in the Workshop on Credit Transfer and its feasibilities among Universities of India, Jadavpur University, Kolkata, on 04.03.2011
15. Participated in the Workshop on National Knowledge Network and NMEICT Link to Universities and Colleges, organized by BSNL Eastern Region, sponsored by MHRD, Govt. of India, Kolkata, on 11.02.2011.
16. Invited Lecture at Patna Women’s College, Patna, Topic:”Resources on Inflibnet: Creation, Access & Management” in an Inflibnet awareness Programme for the Principals of State aided colleges of Bihar, on 18.02.2011.
17. Expert Lectures at NET coaching centre, University of Burdwan on 29.03.2011

Reviewer

Reviewer of various International Journals and Conferences, since 1994. Journals of AMSE France; ICCS 2010 Burdwan University, India ; ICCCS 2011, Rourkella, India; ICCSIT2011,China, PDCTA-2011 Springer, IEEE ISED 2011, AIRCC springer, CCSIT 2012 Bangalore, Journal of Inderscience U.K., IEEE ReTIS 2011 Kolkata, NCECS 2011 Siliguri, IEEE NCETACS 2012 Shilong, ACM Journal of Engineering & Technology in Computing, ICCCS 2011 Rourkella, IEEE ICCIA-2011 Narula Institute of Technology, Kolkata, RAIT 2012, ISM Dhanbad, Jharkhand.

Chairing Sessions:

- NACCS 2010 Burdwan University, India-One Sessions
- ICCS 2010 Burdwan University, India-Two Sessions

Conference/Workshop attended:

- PDCTA, Springer Conference 2011 at Tirunelveli, Kerala
- International Conference on Issues and Challenges in Networking, Intelligence and Computing (**ICNICT 2011**), KIET, Gagiabad
- ICNTIT 2011, Chennai
- Wireless Vite 2011, Chennai

- NACCS 2010 Burdwan University, India
- ICCS 2010 Burdwan University, India
- IEEE ISED, 2011 Bhubaneawar, India
- IEEE EAIT 2011 Kolkata, India
- IEEE Wireless Vite 2011, Chennai, India
- ICCS 2011 Rourkella, India
- ICCCNT 2010 Karur, India
- Springer NeCom 2010, Chennai, India

M. Tech/MCA Projects 2010

- Four Projects completed out of which four publication made

M. Tech/MCA Projects 2011

- Six projects completed- four for M. Tech. and two for M.C.A.

M. Tech/MCA/M. Sc. Projects 2011-12

- Five M. Tech. Project started out of which two from AKCIT, CU, three from KU.
- Two M. Sc. Project Started by 4 students of BKP Surendranath College.

M. Tech/MCA/M. Sc. Projects 2012-13

- Three started from Kalyani University(Jan. 2012)
- One started from Kalyani Govt. Engg. College(Jan 2012)

Administrative experience: DEAN Faculty of Engineering, Technology & Management 2008 (first term: 09.04.2008-22.04.2010, Second Term: 09.07.2010-08.07.2012), Member of University Executive Council and University Court 2008-2012(July). Experienced as Head and Chairman of various boards since 1998. Coordinator of TEQIP, Domain Expert member of Uttarbanga Krishi Viswavidyalaya, Bidhan Chandra Krishi Viswavidyalaya for planning and integration of Public domain networks. Reviewer of various Journals and Conferences.

Editors:

- *Chief Editor, Advanced Computing : An International Journal, ISSN:2229-6727[online]; 2229-726X[print] of AIRCC*
- Proceedings of various conferences
- Proceedings of ETCS 2012.
- Proceedings of ERC-95, ,CSI
- Proceedings of NIDS-98 of CSI
- Proceedings of International Conference on “Intelligent Infrastructure” under CSI-2012(www.csi-2012.org)

Publications as Invited paper: 04

1. Mandal, J. K., “E-Technologies and its Applications in Rural Developments”. Proceedings of UGC Sponsored National Seminar on “ICT in Rural Governance in India: Theory & Practice”,23-24th March 2012,Government Women’s College, Gardanibagh, Patna,pp.3-6, 2012.

2. Mandal, J. K., “An Adaptive Neural Secret Key Associated Recursive Modulo-2 Operation of Paired bits for Online Wireless Communication(ANSKPPE)”, Proceedings of UGC Sponsored National Conference on Research Higher Education in Computer Science and Information Technology (RHECSIT-2012), ISBN:978-81-923820-0-5, 21-22 February, 2012, pp. 26-31, Sammilani Mahavidyalaya, Kolkata, India, 2012.
3. Mandal, J. K., ” E-Technology: Architecture and Application” UGC sponsored national conference on Recent Advances in e-Technologies” organized by Department of Computer Science, Netaji Mahavidyalaya, Arambagh, Hooghly, in Collaboration with Dept. of Computer Science., University of Burdwan, February 24 - 25, 2012.
4. Mandal, J. K., “Watermarking in Transform Domains (WTD)”, Procedia Computer Science, Elsevier viz. C3IT 2012 (2nd International Conference on Computer, Communication, Control and Information Technology), Academy of Technology, Adisaptagram, Hoogly, 25-26 February, 2012.

Publications in the Journals: 93

1. Sarkar Arindam, Mandal J. K., “Evolutionary Computation Guided Energy Efficient Key Organization in Wireless Communication (ECEEKO)”, International Journal of Information and Network Security (IJINS), Vol 2, No.1, 2012, ISSN: 2089-3299, Indexed by: BASE (Bielefeld Academic Search Engine), Cabell's Directory, Cite Seerx , Computer Science Directory, DOAJ, EBSCO Publishing, EI, Electronic Journals Library, ELSEVIER, Google Scholar, Index Copernicus, ISSUU, NewJour, OJS PKP, Open J-Gate, ProQuest, Science Central , Scirus , SCOPUS , Socolar Open Access, Ulrich's Periodicals Directory, World Wide Science , WorldCat.
2. Sarkar Arindam, Mandal J. K., “Swarm Intelligence based Faster Public-Key Cryptography in Wireless Communication (SIFPKC)”, International Journal of Computer Science & Engineering Technology (IJCSET), Vol. 3 No. 7 July 2012, pp 267-273, ISSN: 2229-3345, Indexed by: DOAJ, INDEX COPERNICUS, Google Scholar, Open J-Gate, Cornell University Library, SCIRUS
3. Mondal, U, Mandal, J. K. , “Enhancing Security of Quality Songs with Embedding Encrypted Hidden Codes in Tolerance Level(SQHTL)”, Signal & Image Processing: An International Journal(SIPIJ), AIRCC(Accepted).
4. Mandal, J. K. , Ghoshal, S., “Two Dimensional Discrete Fourier Transform Based Secret Data Embedding in Color Images(2D-DFTSDECI)”, Signal & Image Processing: An International Journal(SIPIJ), AIRCC(Accepted).
5. Mondal U, Mandal, J. K , “Authentication of Audio signals through Embedding of Images(AASAI)”. Association for the Advancement of Modelling and Simulation Techniques in Enterprises (AMSE), France, communicated on line (www.amse-modeling.com under user of jkm), Dated:05-05-2011, ID 2771, No. 11 512(B)(In press).

6. Nandi, U., Mandal, J. K “Region Based Huffman Compression with Regionwise Multiple Interchange of Codes(RBHM)”, Association for the Advancement of Modelling and Simulation Techniques in Enterprises (AMSE), France, communicated on line (www.amse-modeling.com under user of jkm), Dated:14-05-2011, ID 2777, No. 11 514(D)(In press).
7. Mandal, J. K,Mukhopadhyay, S., “A Novel Technique of Filtering High Random valued Impulse Noise and Optimization through Genetic Algorithm(HRVINGA)”. Association for the Advancement of Modelling and Simulation Techniques in Enterprises (AMSE), France, communicated on line (www.amse-modeling.com under user of jkm), Dated:07-05-2011, ID 2778(In press).
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