

HETC Chronicle

Hooghly Engineering & Technology College

Issue: December, 2013

The e-edition is available at www.hetc.ac.in

e-NEWSLETTER COMMITTEE

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2. Ms. Deepti Dutta
3. Prof. Arpita Chatterjee
4. Prof. Sandeep Bhowmik
5. Prof. Jagadish Bhattacharyya
6. Prof. Arup Maity
7. Prof. Subham Ganguly

PRINCIPAL'S MESSAGE



I am very happy to announce that “HETC Chronicle” in the form of e-Newsletter has been launched first time on and from 04.12.2013. It covers over all news of the college activities in campus and other areas. I, on behalf of the faculty and staff members of HETC, heartily welcome the students and faculty members who have contributed their activities in the e-Newsletter. I hope, others will be encouraged and will participate directly through their future activities. I wish very very success of “HETC Chronicle” in the future days to come.

- Prof. N.Tarafder

CAMPUS NEWS

- The Annual Sports Meet was held on 7th February 2013 at the college ground.
- The Hooghly Engineering & Technology College Society organized the Annual Lecture on “History of Innovations” delivered by Dr. I. K. Mukhopadhyay, former Director General, NCSM. It was followed by a Science Show by Mr. Tarun Das, Scientist, BITM in February, 2013.
- The Annual Cricket Tournament was held in February, 2013. Civil Engineering 2nd year was the winner.
- The Photography Club organized separate Photography Contests for students and college staffs in March, 2013.
- The Science Club organized a Science Quiz Contest in March-April, 2013. Around 80 teams of students from different departments participated in the contest. Contest was held in three rounds.
- The Cultural Club organized XPRESSIONS’ 2013 on 4th April, 2013. It included five cultural events: speak-a-thon (GD, Debate and Extempore Competition), Final round of Science Quiz Contest, Skit Contest, Cartooning Competition.
- The Annual Festival ‘RESURRECTION’ was held on 5th April, 2013.
- The Orientation Program for the newly admitted first year students was held on 13th August, 2013.
- ‘REJUVENATION-2k13’, the Fresher Welcome program was held on 31st August, 2013.
- Entrepreneurship Development Cell was formed in the college in October, 2013.
- A 3-day Entrepreneurship Awareness Camp was organized by the Entrepreneurship Development Cell of HETC in collaboration with Enterprise Development Institute, Kolkata in November, 2013. Around 4-5 students from each department of each class got a chance to participate in the camp. Total 75 students successfully completed the program.

EVENTS ORGANIZED

- A workshop on JAVA through video tutorial had been organized by CSE Department in collaboration with Spoken Tutorial Project, IIT Bombay in March, 2013. Prof. S. Bhowmik of CSE Department coordinated the program. Around 50 CSE students attended the workshop.
- A 3-day Workshop on “Mobile Robotics” was organized by ECE Department in collaboration with Purple Leap from 08.03.2013 to 10.03.2013.
- A 1-day Seminar on GATE was organized by the ECE Dept. in collaboration with The Gate Academy on 14.03.2013.
- A seminar on Android Technology was organized by CSE Department in April, 2013.

- A 1-day Seminar on “Latest Software Technologies” was organized by the ECE Department in collaboration with Ardent Coputech Pvt. Ltd. on 20.04.2013.
- A training program on ‘CAD/CAM/CAE using CREO’ was conducted by Trident Techlabs in collaboration with the Mechanical Engineering Dept. at the college premises from 24th to 12th June, 2013 during the summer recess. 43 students of 3rd year and 32 students of 2nd year participated in the program and were certified by Trident Techlabs.
- A poster competition on the theme of ‘Anti Ragging’ was organized by Cultural Club on 6th August, 2013.
- Students of the Civil Engineering Department organized the annual inter-college quiz competition ‘CIVIL-O-PEDIA 2013’ at HETC College campus on 5th September, 2013.
- 3rd year students of the Mechanical Engineering Department organized the annual intra-departmental quiz competition ‘MECH QUEST 2013’ at the hall of the Mechanical Engineering Building in the college campus, in September, 2013.
- The online coding competition CodeVita organized by TCS was held in the college campus in August-September, 2013. Prof. S. Bhowmik of CSE Department coordinated the whole program along with the Training & Placement Cell of the college. Around 200 students from various departments participated in the contest. Two teams (both from CSE Department) from the college were selected for the final round.
- The online programming competition Aspiration2020 contest organized by Infosys was held in the college campus in September-October, 2013. SPoC of Infosys Campus Connect Program Prof. S. Bhowmik of CSE Department coordinated the whole program along with the Training & Placement Cell of the college. Around 150 students of different discipline participated in the contest. Two among the participant teams (one each from CSE & ECE Department) qualified for the zonal final round, which was held at Infosys, Bhubaneswar campus.

FACULTY PARTICIPATION

- **Prof. Abhranil De** of General Science & Humanities Department participated as delegate person in UGC sponsored National Seminar under the title “Green Chemistry and sustainable Agriculture practices: A step towards better future” held on 1st and 2nd February 2013 in Panchakot Mahavidyalaya, Purulia.
- **Dr. Abhijit Patra** and **Prof. Sandip Basu** of Mechanical Engineering Department attended a workshop on “Cupola Furnace Practice” organized by Indian Institute of Foundrymen – Kolkata Chapter in Kolkata on 28th February, 2013.
- **Dr. A. Bandyopadhyay** delivered Invited Lecture at DAE Atomic, Molecular and Optical Physics (AMOP) Symposium held at IISER, Mohanpur (Kolkata) on Quantum Elliptical Vortices.
- Anindya Banerji, PhD student of **Dr. A. Bandyopadhyay** delivered an Invited Lecture held at Third AQUA Congress on Quantum Information and Computation, held at Imperial College, London.
- Anindya Banerji, PhD student of **Dr. A. Bandyopadhyay** attended 2nd QuICC Summer School on Quantum Information, Computation and Control at Imperial College, London and ICQIQC at IISc, Bangalore, in 2013.
- **Prof. Sandeep Bhowmik** and **Prof. Sirshendu Hore** of CSE Department, attended 2-week AICTE sponsored Faculty Development Program (FDP) on “Soft Computing Approach in Cryptography” from 17th June to 28th June 2013, organized by Department of Information Technology, Kalyani Government Engineering College, W.B.
- **Prof. Subhajit Roy** of CSE Department and **Prof. Subhojit Malik** of ECE Department have successfully completed the AICTE sponsored CEP Short Term Course entitled “Microcontroller and Embedded Systems” organized by Department of Computer Science & Engineering, IIT Kharagpur from 1st July to 6th July, 2013.
- **Prof. Rupam Some**, Department of Computer Science and Engineering Attended short term course on “Social Media Analysis And Data Mining”, organized by Department of Computer Science and Engineering, BESU in MAY, 2013.
- **Prof. Sanghamitra Das**, Department of Computer Science & Engineering Attended Research Promotion workshop on “Recent Trends in Computing”, was held on 13-15 May, 2013 Sponsored by TEQIP II and organized by Department of Information Technology, Bengal Engineering and Science University, Shibpur.
- **Prof. Sanghamitra Das**, Department of Computer Science & Engineering Attended Short Term Course on “Social Media Analysis and Data Mining”, was held on June 10-14, 2013 organized by department of Computer Science and Technology, Bengal Engineering and Science University, Shibpur.
- **Prof. Abhranil De** of General Science & Humanities Department participated in a national seminar on “Recent Trends in applied Sciences and Humanities” held on October 30 & 31, 2013 organized by Department of Applied Sciences & Humanities in Durgapur Institute of Advance Technology And Management.

- **Prof. Sandip Das**, attended the TEQIP funded lecture series by Prof. Wout Van Bommel, internationally renowned lighting stalwart and successfully completed the specialized course on "Different Aspects of Lighting Engineering"; organized by Jadavpur University, Bengal Engineering & Science University and Indian Society of Lighting Engineers, Calcutta State Centre, from 6th November, 2013 to 18th November, 2013 at K.P. Basu Memorial Hall of J.U., Kolkata.
- **Prof. (Dr.) P. G. Bhattacharaya** participated in the National Workshop on "Innovation in Concrete Technology" organized by Department of Civil Engineering, Bengal Engineering & Science University in memory of Prof. K. K. Banerjee, on 10-12 December, 2013.
- **Prof. Sandeep Bhowmik**, Convenor of Entrepreneurship Development Cell, HETC and **Mr. Anish Shribastav**, Training & Placement Officer, HETC attended the 5th National Conference on Leadership, organized by Suresh Neotia Center of Excellence for Leadership in collaboration with Confederation of Indian Industries (CII) at Kolkata on 11th December, 2013.

FACULTY ACHIEVEMENTS

- **Prof. Abhijit Patra**, of Mechanical Engineering Department obtained his Ph.D. degree from BESU, Shibpur in 2013.

PUBLICATIONS OF FACULTY MEMBERS

PUBLICATIONS IN JOURNAL

INTERNATIONAL JOURNAL

MECHANICAL ENGINEERING DEPARTMENT

- **A. Dutta**, A.K. Das and S. Chakraborty: "Study on the Effect of Cooling Water Temperature Rise on Loss Factor and Efficiency of a Condenser for a 210 MW Thermal Power Unit"; International Journal of Emerging Technologies and Advance Engineering, 2013, volume 3, pp. 485-489.

ELECTRICAL ENGINEERING DEPARTMENT

- **A. Maity**, K. Bhattacharya, A.N. Sanyal, "Small Signal Stability Analysis of Synchronous Generators Connected to Infinite Bus", International Journal of Emerging Technology and Advanced Engineering, Volume 3, Issue 10, October 2013.

COMPUTER SCIENCE & ENGINEERING DEPARTMENT

- **Sumanta Daw**, "A Font Invariant Ol Chiki Basic Character Recognition Using Digital Curvelet Transformation", Second International Conference on Computing and System - Sep'2013 (ISBN-13:978-9-35-134273-1 MC GRAWHILL PROFESSIONAL), Page: 330-334 and also selected to published in International Journal of Mathematics and Computational methods in science and Technology (ISSN: 2249-8915).
- **Rupam Some**, "Survey on Social Network Analysis and Futute Trends" Published in International Journal of advanced research in computer and communication engineering, Vol-2, issue 6, June 2013, ISSN – (print):2319-5940, ISSN (online):2278-1021 www.ijarcce.com. Certificate no: V2I6C036-1/1.

GENERAL SCIENCE & HUMANITIES DEPARTMENT

- Anindya Banerji, Prasanta K Panigrahi, Ravindra Pratap Singh, **Saurav Chowdhury** and **Abir Bandyopadhyay**, Quadrature uncertainty and information entropy of quantum elliptical vortex states, J. Phys. A: Math. Theor. 46 (2013) 225303.

NATIONAL JOURNAL

ELECTRICAL ENGINEERING DEPARTMENT

- **A. Maity**, K. Bhattacharya, A.N. Sanyal, "Procedure and program for power capacitor design for shunt compensation & power factor improvement", Indian Journal of Power and River Valley Development, Volume. 63, Nos. 5&6, May –June-2013.

- **A. Maity**, K. Bhattacharya, A.N. Sanyal, "Study on voltage stability of transmission lines under large reactive power burden" Indian Science Cruiser, Institute of Science, Education and Culture, Volume-27, Number-3, May 2013.

CIVIL ENGINEERING DEPARTMENT

- **I. Mukherjee**, S. Majumder, **R. Majumder**, P.P. Mondal, "Importance of Mangrove Ecosystems" ,Published in the joint of the Institution of public Health Engineers, India (JIPHE),Volume 2012-13, No 1 ,April 2012, pp 08-10.

OTHER AREAS

- **Dr. Nemailal Tarfder** (Principal), "Oven Filter Fabrics : Industrial Applications (Part-I)"; Man-Made Textiles in India (MMTI) , May, 2013, volume XLI, No. 5, pp. 154 - 158.
- **Dr. Nemailal Tarfder** (Principal), "Oven Filter Fabrics : Industrial Applications (Part-II)"; Man-Made Textiles in India (MMTI) , July, 2013, volume XLI, No. 7, pp. 243 - 247.
- **Dr. Nemailal Tarfder** (Principal), "Textiles For Protection against Harmful Ultraviolet Radiation"; Man-Made Textiles in India (MMTI) , September, 2013, volume XLI, No. 9, pp. 213 - 222.

PUBLICATIONS IN CONFERENCE

INTERNATIONAL CONFERENCE

MECHANICAL ENGINEERING DEPARTMENT

- **Supriyo Roy** presented a paper titled "Tribological Performance Optimization of Electroless Ni-P-W Coating Using Weighted Principal Component Analysis" authored by Prasanta Sahoo and Supriyo Roy, at the 2nd International Conference on Advanced Manufacturing and Automation (INCAMA-2013).

COMPUTER SCIENCE & ENGINEERING DEPARTMENT

- S. Chakroborty, **S. Bhowmik**; "Effect of Modified Permutation Encoding Mutation in Genetic Algorithm", in the Proceedings of the "International Conference on Computation and Communication Advancement", ISBN: 978-1-25-906393-0, pages 69-73, McGrawHill Publication. Conference was co-sponsored by IEEE Kolkata section and organized by JIS College of Engineering, Kalyani in January, 2013.
- **Sanghamitra Das**, "Survey based on Recent Trends of Data Mining in Various Fields" published in Second International Conference on Computing and Systems (ICCS-2013), ISBN-13:978-9-35-134273-1, MC-GRAW HILL PROFESSIONAL was held on September, 2013 organized by Computer Science Department, University of Burdwan.
- A. Ghosal, S. Ghosh, S. Dutta, **M. Saha**, **S. Hore**; "Gesture Based Application in Virtual Environment using Color Object Detection", in the Proceedings of the "International Conference on Communicational and Computational Advancement", ISBN: 978-1-25-906170-7, pages 278-281, McGrawHill Publication. Conference organized by JIS College of Engineering and was co-sponsored by IEEE Kolkata section, India in January, 2013.

ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

- **M. Dam**, P. Ghosh, and M. Biswas, "Improved Cavity Model to Compute the Resonant Resistance of an Equilateral Triangular Patch Antenna With and Without Air Gap," in International Conference on Computation and Communication Advancement (IC3A-2013), Jan. 11-12, 2013, Nadia, India.
- **M. Dam** and M. Biswas, "Fast and Accurate Model to Compute the Resonant frequency of Triangular Patch Antenna on Suspended and Composite Substrates," in International Conference on Communications, Devices and Intelligent Systems (CODIS-2012), Dec. 28-29, 2012, Kolkata, India.

GENERAL SCIENCE & HUMANITIES DEPARTMENT

- Anindya Banerji, Prasanta K Panigrahi, Ravindra Pratap Singh and **Abir Bandyopadhyay**, "Entanglement and Non Classicality of Generalized Quantum Optical Vortex States", AQIS 2013, Institute of Mathematical Sciences, Chennai, 2013.

- Anindya Banerji, Ravindra Pratap Singh, and **Abir Bandyopadhyay** Entanglement using Wigner Function: A case of generalized quantum optical vortex states, 2nd QuICC Summer School on Quantum Information, Computation and Control, Imperial College, London, 2013.
- Anindya Banerji, Ravindra Pratap Singh, and **Abir Bandyopadhyay** and Quadrature Uncertainty and Information Entropy of Quantum Elliptical Vortex States, ICQIQ, Indian Institute of Science, Bangalore, 2013.

❖ NATIONAL CONFERENCE

MECHANICAL ENGINEERING DEPARTMENT

- **Supriyo Roy** presented a paper titled “Tribological Performance Optimization of Electroless Ni-P-W Coating Using Weighted Principal Component Analysis” authored by Prasanta Sahoo and Supriyo Roy, at the 2nd International Conference on Advanced Manufacturing and Automation (INCAMA-2013).

ELECTRICAL ENGINEERING DEPARTMENT

- **Anikendu Maitra** presented a paper titled “Modeling and Harmonic study of non-linear domestic loads” authored by **Anikendu Maitra**, **Sandip Das** and **Sajal Kumar Bandyopadhyay**, at the 2nd Michael Faraday IET India Summit-2013(MFIIS-2013).

COMPUTER SCIENCE & ENGINEERING DEPARTMENT

- D. Mondal, P. Paul, **S. Bhowmik**; “Chaos and Cryptography”, in the Proceedings of National Conference on “Recent Development in Electrical, Electronics & Engineering Physics”, ISBN: 978-81-8424-877-7, pages 80-84. Conference was co-sponsored by IET, Kolkata Chapter and organized by MCKV Institute of Engineering, Howrah in October, 2013.
- S. Bhattacharya, A. Banik, **S. Bhowmik**; “Security Analysis of Chaotic Map based Image Encryption System” in the Proceedings of National Conference on “Recent Development in Electrical, Electronics & Engineering Physics”, ISBN: 978-81-8424-877-7, pages 85-89. Conference was co-sponsored by IET, Kolkata Chapter and organized by MCKV Institute of Engineering, Howrah in October, 2013.
- **Sumanta Daw**; “Online Compound Word Recognition using MLP” - published in National conference on Advancement of Computing in Engineering and Research-2013 (ISBN: 978-1-921987-11-3), IEEE Kolkata Chapter, Page: 69-76 and also published in <http://airccse.org/journal.html> (ISSN: 2231 5403).
- S. Chatterjee, S. Paladhi, **S. Hore**; “Sudoku solving Algorithm a brief review” in the Proceedings of National Conference on “Recent Development in Electrical, Electronics & Engineering Physics”, ISBN: 978-81-8424-877-7, pages 85-89. Conference was co-sponsored by IET, Kolkata Chapter and organized by MCKV Institute of Engineering, Howrah in October, 2013.
- A. P. Kumar, D. Mangar, **S. Hore**; “Security Analysis of Chaotic Map based Image Encryption System” in the Proceedings of National Conference on “Recent Development in Electrical, Electronics & Engineering Physics”, ISBN: 978-81-8424-877-7, pages 85-89. Conference was co-sponsored by IET, Kolkata Chapter and organized by MCKV Institute of Engineering, Howrah in October, 2013.

ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT

- **M. Dam**, and M. Biswas, “CAD model to compute the effect of air gap on the band width of an equilateral triangular patch antenna,” in Antenna Test and measurement Society conference (ATMS-2013), Feb, 2013, Mumbai, India.
- **M. Dam**, and M. Biswas, “CAD Model to Compute the Resonant Frequency of triangular Patch Antenna with and without Air Gap,” Proc. of Antenna Test and measurement Society conference (ATMS-2012), pp.153-156, Feb.2-3, 2012, Mumbai, India.
- **S. Malik**, Subhadip Das and Subhajit Pandit, “A Pioneering Approach to Design a 4-Bit Arithmetic Logic Unit using Artificial Neural Network” in AICTE Sponsored National Conference on Control, Communication & Device Electronics N3CD-2013, organized by JIS College of Engineering, Kalyani , W.B

CIVIL ENGINEERING DEPARTMENT

- A Bhowmik, B Tudu, **I. Mukherjee**, K.K.Mandal, N. Chakroborty, “Renewable energy for sustainable development of India: Review on status, potential and policies”, Abstract published in the Proceeding of international Seminar on

“Society, Politics and Climate Change” organized by Khandwala College, IIFM,USIEF held at Nagindas Khandwala College, Malad (West) Mumbai on 3rd-4th Dec, 2012.

- S.Choudhury, **T. Ghosh, R. Paul, B.Tudu, I. Mukherjee**, “Transition from Fossil Fuel to Non-Conventional Sources-A solution for the Future in India”, Abstract published in the proceeding of International Seminar on “Society, Politics and climate Change” organized by Khandwala College, IIFM, USIEF held at Nagindas Khandwala College, Malad(west) Mumbai on 3rd -4th Dec, 2012.
- **Arpita Das**, Somnath Karmakar, Showmen saha “Strengthening of concrete column by using Glass Fiber Reinforced Polymer “Abstract published in the proceeding of national Seminar on “Sustainable Infrastructure Development(SID)” organized by IIT Bhuvaneswar, Odisha, India on 7th to 9th Feb 2013 , pp 32-37.
- **S. Mandal, S. Patra, A. K. Bera** “Effect of u/B ratio on bearing capacity of square footing on reinforced sand a FEM based analysis”, Abstract published in the Proceeeding of National Seminer on “Indian Geotechnical Conference” organized by IIT roorkee , Uttarakhand, India on 22nd -24th Dec, 2013.

STUDENTS' ACTIVITIES & ACHIEVEMENTS

- Souvik Chakroborty of 3rd year Computer Science & Engineering (2010-14 Batch) presented the paper titled "Job Shop Scheduling using Simulated Annealing" in the International Conference on Computation and Communication Advancement, held at JIS College of Engineering, Kalyani in January, 2013.
- Aresh Ghosal of 4th year Computer Science & Engineering (2009-13 Batch) presented the paper titled "Gesture Based Application in Virtual Environment using Color Object Detection" in the International Conference on Computation and Communication Advancement, held at JIS College of Engineering, Kalyani in January, 2013.
- Sixteen 2nd and 3rd year students of Mechanical Engineering Department, led by Dr. Abhijit Patra and Prof. Supriyo Roy attended the 61st Indian Foundry Congress on 27th January, 2013 at Saltlake Stadium and Hyatt Regency Kolkata. Students visited the 3rd Indian Foundry Exhibition (IFEX) and two of them gave power point presentation on foundry.
- Souvik Chakroborty of 3rd year Computer Science & Engineering (2009-13 Batch) stood first in the “Web Designing” competition organized by “Techno India Hooghly” in April, 2013.
- Soumodip Bhattacharya of 3rd year Computer Science & Engineering (2009-13 Batch) got 4th place in Kreationz-photography at Telos (online technical festival of mywbut.com) in April, 2013.
- Souvik Chakroborty of 3rd year Computer Science & Engineering (2009-13 Batch) stood first in the “Coding” competition organized by “Techno India Hooghly” in April, 2013.
- Kumari Punam, Arnab Banik, Soumodip Bhattacharya of Computer Science & Engineering reached the final round of the Debate Competition organized by Cultural Club, in XPRESSIONS’ 2013 held in April, 2013.
- Eight student members of the Science Club, led by Dr. Abhijit Patra, went to Science City, Saltlake, Kolkata to attend a lecture delivered by the renowned scientist Dr. Anita Sengupta, Project Manager of NASA Jet Propulsion laboratory, U.S.A. on “Curiosity Entry Descent and Landing on Mars”. The event was organized by IISER, Kolkata in collaboration with American Centre.
- Subhadip Das of 4th year ECE presented the paper titled “A Pioneering Approach to Design a 4-Bit Arithmetic Logic Unit using Artificial Neural Network” in National Conference on Control, Communication & Device Electronics N3CD-2013, held at JIS College of Engineering, Kalyani , W.B. in July, 2013.
- List of students who have cleared GATE-2012-2013 in Civil Engineering Department

<u>Sl No.</u>	<u>Name</u>	<u>Gate Score</u>	<u>Rank (All India)</u>
1	Atish Bindra	463	1841
2	Biswajit Mondal	258	10479
3	Debjyoti Ghosh	310	6339
4	Krisnendu Kundu	288	8101
5	Pallab Ghosh	282	8242
6	Pubali Mondal	374	3961
7	Satyajit Mondal	258	10479
8	Soumya Sadhukhan	306	6339
9	Sourav Hazra	418	2718
10	Subhojyoti Marik	329	5776
11	Sudiop Bera	406	3118

12	Sudipta Mahanti	280	8661
13	Sudipta Naskar	265	9856
14	Tirthankar Chokroborty	658	195

• List of students who have cleared GATE-2012-2013 in Electronics & Communication Engineering Department

<u>Sl. No</u>	<u>Name</u>	<u>All India Gate Rank/Other</u>	<u>Higher Study</u>	<u>Institute Name</u>
1	Apurba Baral	52604	M.Tech	BESU, Howrah
2	Amiya Haldar	37531	M.Tech	Jadavpur University
3	Ajit Kumar Singh	256135		
4	Dipankar Golder	39596		
5	Indrajit Ghosh	25147		
6	Rahul Rauth	26523		
7	Sk. Md. Maheeb	4095		
8	Sankar Das	47483		

- A team of CSE students - Souvik Chakroborty CSE 4th year (2010-14 batch) and Debarshi Banerjee (CSE 3rd year (2011-15 batch) qualified for the second round (by enlisting themselves into the list of top 300 teams worldwide) of 'CodeVita', a programming contest organized by TCS in August, 2013.
- Shubham Kumar Shah and Rahul Jha of 4th year ECE Qualified for the zonal level final round in the Infosys Campus connect, Aspiration 2020 (Eastern zone of INDIA) in October, 2013.
- A team of CSE students - Souvik Chakroborty of CSE 4th year (2010-14 batch), Soumodip Bhattacharyya of CSE 4th year (2010-14 batch) and Debarshi banerhee of (CSE 3rd year (2011-15 batch) qualified for the zonal level final round of 'Aspiration2020' contest, a programming contest organized by Infosys in October, 2013.
- Dipankar Mondal of 4th year Computer Science & Engineering (2010-14 Batch) presented the paper titled "Chaos and Cryptography" in the International Conference on Computation and Communication Advancement, held at MCKV Institute of Engineering, Howrah in October, 2013.
- Souvik Paladhi of 3rd year Computer Science & Engineering (2011-15 Batch) presented the paper titled "Recent Development in Electrical, Electronics & Engineering Physics" in the International Conference on Computation and Communication Advancement, held at MCKV Institute of Engineering, Howrah in October, 2013.
- Soumodip Bhattacharya of 4th year Computer Science & Engineering (2010-14 Batch) presented the paper titled "Security Analysis of Chaotic Map based Image Encryption System" in the International Conference on Computation and Communication Advancement, held at MCKV Institute of Engineering, Howrah in October, 2013.
- Praneet Kumar and Darshan Mangar of 4th year Computer Science & Engineering (2010-14 Batch) presented the paper titled "Quantum Cryptography a Modern Era in Cryptography - A Brief Survey" in the Michael Faraday IET India Summit-2013 held at Kolkata.

PUBLICATIONS OF STUDENTS

- Souvik Chakroborty of 3rd year **Computer Science & Engineering** (2009-13 Batch) under the supervision of Prof S. Bhowmik published paper titled "Job Shop Scheduling using Simulated Annealing", in the Proceedings of the "International Conference on Computation and Communication Advancement", ISBN: 978-1-25-906393-0, pages 69-73, McGrawHill Publication. Conference was co-sponsored by IEEE Kolkata section and organized by JIS College of Engineering, Kalyani in January, 2013.
- Asesh Ghosal, Soham Datta and Santanu Ghosh of **Computer Science & Engineering** 4th year (2009-13 batch) under the supervision of Prof. S. Hore published a paper titled "Gesture Based Application in Virtual Environment using Color Object Detection", in the Proceedings of the "International Conference on Communicational and Computational Advancement", ISBN: 978-1-25-906170-7, pages 278-281, McGrawHill Publication. Conference organized by JIS College of Engineering and was co-sponsored by IEEE Kolkata section, India in January, 2013.
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- Shankhadeep Chatterjee and Souvik Paladhi of 3rd year **Computer Science & Engineering** (2011-15 Batch) under the supervision of Prof S. Hore published paper titled “Sudoku Solving Algorithm - a Brief Review” in the Proceedings of National Conference on “Recent Development in Electrical, Electronics & Engineering Physics”, ISBN: 978-81-8424-877-7, pages 61-66. Conference was co-sponsored by IET, Kolkata Chapter, IEEE Kolkata Section, IETE and organized by MCKV Institute of Engineering, Howrah in October, 2013.
- Soumodip Bhattacharya and Aarnab Banik of 4th year **Computer Science & Engineering** (2010-14 Batch) under the supervision of Prof S. Bhowmik published paper titled “Security Analysis of Chaotic Map based Image Encryption System” in the Proceedings of National Conference on “Recent Development in Electrical, Electronics & Engineering Physics”, ISBN: 978-81-8424-877-7, pages 85-89. Conference was co-sponsored by IET, Kolkata Chapter and organized by MCKV Institute of Engineering, Howrah in October, 2013.
- Praneet Kumar, Darshan Mangar of 4th year **Computer Science & Engineering** (2010-14 Batch) under the supervision of Prof S. Hore published paper titled “Quantum Cryptography a Modern Era in cryptography - A Brief Survey” in the Proceedings of Michael Faraday IET India Summit-2013, ISBN: 978-93-82715-97-9, pages 2.7-2.13. Conference was co-sponsored by IET, Kolkata Chapter and organized by Young People Section, IET, Kolkata Local Network in November, 2013.

PARTICIPATION IN WORKSHOPS & SEMINARS FOR NBA ACCREDITATION

- Principal Prof. (Dr.) N. Tarafder and Emeritus Professor Dr. P.G Bhattacharaya attended an orientation workshop on “Outcome Base Accreditation Process & Parameters for Evaluators/Stakeholders” at MCKVIE on 30th October, 2012.
- Principal Prof. (Dr.) N. Tarafder, Emeritus Professor Dr. P.G Bhattacharaya and Prof. Soumen Banerjee attended an orientation workshop on “Achieving Quality through Outcome Based Evaluation” at Heritage Institute of Technology, Kolkata on 22-23 March, 2013.
- Prof. (Dr.) P.G Bhattacharaya and Prof. Subhojit Malik attended a seminar for technical and management institution “Quality Based Evaluation in the Process of Accreditation” at West Bengal University of Technology, Kolkata on 16-17th September, 2013.