

IEEE Kharagpur Section 2016 Report

PART A - SECTION SUMMARY

A.1 Executive Summary – (Please follow the format given below)

- Section Executive Committee Member List
 - Dr. Alok Kanti Deb (Chair, IC representative and Control System Society Chair)
 - Dr. Amitabha Bhattacharya (Vice Chair, Membership Development Chair)
 - Dr. Chittaranjan Mandal (Secretary, Web Media Chair, IC 2nd representative)
 - Dr. Pabitra Mitra (past Chair)
 - Dr. Shailendra Kumar Varshney (Treasurer)
 - Dr. Debarati Sen (Asst. Secretary, WIE Counselor)
 - Mr. Sandip Kumar Ojha (HIT SB Counselor)
 - Dr. Debdoot Sheet (SAC Chair)
 - Dr. Mrityunjoy Chakraborty (Signal Processing Society Chair)
 - Dr. Anirban Mukherjee (Engineering in Medicine and Biology Society Chair)
 - Dr. Debashis Sen (Young Professionals Chair)
 - Dr. Sudip Misra (Member, Professional Activities Chair)
 - Dr. Anandaroop Bhattacharyya (Industry Relations Chair)
 - Dr. Sanjay Chaturvedi (Member)
 - Dr. Chandan Chakraborty (Advisor to Executive Committee)
 - Dr. Debasish Samanta (Advisor to Executive Committee)
- Section Highlights
 - IEEE Kharagpur Section constituent bodies are:*
 - KharagpurSection
 - IIT Kharagpur Student Branch
 - HIT Student Branch
 - Women in Engineering Affiliate
 - Haldia Subsection
 - Control Systems Society
 - Engineering in Medicine Biology Society
 - Signal Processing Society
 - Antenna and Propagation and Microwave Theory and Techniques (AP-MTTS)
 - Student Branch Chapter
 - IEEE EMB Student Club
 - IEEE SPS Student Branch Chapter
 - Membership statistics:*
 - Associate Member - 0
 - Fellow - 1
 - Graduate Student Member - 126
 - Life Senior Member 3
 - Member 120
 - Senior Member 36
 - Student Member 62
 - Total: 348
- Major Events (International, National)
 - 1) Technically Cosponsored International Conference on Systems in Medicine and Biology, Jan 4-7, 2016.

2) Technically Cosponsored International Conference on 21st Century Energy Needs-Materials, Systems and Applications, Nov 17-19, 2016.

3) Organized **50** technical talks

- Major Chapter Activities

Kharagpur Section (Geo Code - R00155)

Sl.	Date	Speaker	Topic	Attendance	
				IEEE	Non IEEE
1	15-1-2016	Prof. Anjan Bose	Smart Grid	11	31
2	21-3-2016	Dr. Biplab Sarkar	Novel Semiconductor Memory Devices: a fusion of silicon technology with bio-medical engineering	13	0
3	8-4-2016	Prof. Manas K Mandal	Cognitive Science: Relevance for technology	20	37
4	19-4-2016	Dr. Manoj Shah	Latest in Electric Machines related Technologies	17	18
5	26-4-2016	Dr. Animesh Biswas	Substrate Integrated Waveguide Circuits and Antennas	19	6
6	21-6-2016	Prof. Luiz DaSilva (COMSOC DLT)	Using Game Theory to Model Resource Sharing in future Wireless Networks	28	44
7	22-6-2016	Prof. Luiz DaSilva (COMSOC DLT)	Sharing Infrastructure and Spectrum: A Vision for the future of Mobile Networks	29	54
8	14-7-2016	Prof. S. N. Singh	Role of Forecasting in Power Systems	9	9
9	22-7-2016	Prof. A. Chockalingam	Visible Light Wireless Communications	11	14
10	9-8-2016	Prof. Krishnendu Chakraborty	The Hype, Myths and Realities of Testing 2.5D and 3D ICs	5	18
11	12-8-2016	Prof. Arnab Bhattacharya	III -Nitrides and 2D Layered Semiconductor New Materials Combinations for Opto Electronics	9	22
12	17-8-2016	Prof. Rolf Drechsler	Advanced Formal Techniques along the Design Flow	10	24
13	6-9-2016	Prof. V Ramgopal Rao	Bridging Academic R & D with Product Innovation – a few case studies and way forward	4	18
14	30-9-2016	Dr. Anura P Jayasumana (COMSOC DLT)	Network Aware Nodes: A Localization-Free Self-Organization Approach for Internet of Things	23	19
15	28-11-2016	Prof. Satyanarayana V Nandury	Mobility and Fault Tolerant Issues in Wireless Sensor Networks	12	18
16	29-11-2016	Prof. Ravinder David Koilpillai	Cellular Evolution to 5G, New Paradigms and Opportunities	11	16
17	14-12-2016	Ramakrishna Kappagantu	IEEE: Maximizing Excellence in Career	5	19

18	21-12-2016	Prof. Bikash Pal	Large Wind Farm: Modeling and Control Challenges	20	12
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Control System Society (Geo Code – CH10150)

Sl.	Date	Speaker	Topic	Attendance	
				IEEE	Non IEEE
1	25-1-2016	Prof. Roger Seeberger	Smartphone Controls Robots	9	12
2	29-1-2016	Prof. Ashok Deshpande	Fuzzy Sets and Fuzzy Logic in Informatics	5	42
3	5-2-2016	Prof. Nihal Kularatna	Super capacitor Improve the performance of linear power management circuits	12	22
4	16-11-2016	Prof. Rudolf Scheidl	Actuators and Sensors for Smart Systems	11	8
5	18-11-2016	Prof. Ravindra D Gudi	Performance monitoring and control for biological processes	10	15
6	14-12-2016	Dr. Dragan Maksimovic	Advances in Switched-Mode Power Converters Enabled by Wide Bandgap Semiconductors, Soft Switching Techniques, and Converter Topologies	23	39
7	15-12-2016	Dr. Gregory Plett	Making Batteries Last Longer and Work Better: Research in Physics-Based Techniques	11	30

Engineering in Medicine and Biology Society (Geo Code – CH10723)

Sl.	Date	Speaker	Topic	Attendance	
				IEEE	Non IEEE
1	5-2-2016	Prof. R. M. Rangayyan	Color Image Processing with Biomedical Applications	13	11
2	5-2-2016	Prof. R. M. Rangayyan	Computer-aided Diagnosis of Retinopathy of Prematurity	13	11
3	2-3-2016	Prof. Sushil Chandra	Cognitive Implications of Virtual Reality	16	14
4	10-3-2016	Rahul Mehra	An IITian's journey in Healthcare	17	25
5	23-8-2016	Dr. Koushik Maharatna	On the application of ICT-based remote healthcare strategy for treating Autistic Children at home	16	15
6	5-9-2016	Dr. Jayaprakash Naidu	Medical Image Formation: X-Ray Computed Tomography (XCT), Positron Emission Tomography (PET) & Diffuse Optical Tomography (DOT)	5	11
7	6-9-2016	Dr. Jayaprakash Naidu	Accurate reconstruction methods & models in Fluorescence Molecular Tomography-X-ray Computed Tomography (FMT-XCT) &	4	8

			Optoacoustic Tomography (OAT)		
8	3-12-2016	Prof. Dick Strugnell	Inhibition of biofilms caused by Klebsiella pneumonia	9	23

Signal Processing Society (Geo Code – CH10742)

Sl.	Date	Speaker	Topic	Attendance	
				IEEE	Non IEEE
1	5-4-2016	Prof. Saikat Chatterjee	Sparse systems and use for large genetic data analysis	15	18
2	5-4-2016	Prof. Saikat Chatterjee	Graph signal processing – an emerging field in signal processing	15	17
3	16-8-2016	Dr. Anit Kumar Sahu	Distributed Hypothesis Testing: Algorithms and Asymptotics	11	17
4	26-11-2016	Prof. Tokunbo Ogunfunmi	Scalable Multi-rate Speech Coding for VoIP Networks	10	10
5	12-12-2016	Dr. Hamid Krim (SPS DLT)	Convexity, Sparsity, Nullity and all that ... in Machine Learning	15	15
6	26-12-2016	Prof. Keshab K. Parhi	Internet of Things: Information Analytics, Energy Efficiency and Hardware	15	33

Women in Engineering Affinity Group (Geo Code - WE00155)

Sl.	Date	Speaker	Topic	Attendance	
				IEEE	Non IEEE
1	11-3-2016	Dr Raji Sundarrajan	High Voltage Applications in Healthcare	9	22
2	5-5-2016	Dr Bhudendu Bhadauri	Landscape Dynamics, Geographic Data and Scalable Computing: The Oakridge Experience	10	16
3	9-6-2016	Prof. Indrajit Ray	Privacy Preserving Search on Encrypted Patient Level Clinical Databases	8	17
4	9-6-2016	Prof. Indrakshi Ray	Applying Attribute-Based Access Control for Privacy Preserving Health Data Disclosure	8	17
5	4-7-2016	Prof. R.Vijaya	Photonic crystal-based devices for novel functionalities	5	19
6	4-11-2016	WiE IEEE KGP Section.	50 years of R10. Celebration	21	4

Young Professional Affinity Group (Geo Code - GD001)

Sl.	Date	Speaker	Topic	Attendance	
				IEEE	Non IEEE
1	2-10-2016	Dr. Krishna Agarwal (TechSym 2016)	State-of-the-art computational super-resolution fluorescence microscopy	23	10

2	2-10-2016	Dr. Dilip K. Prasad (TechSym 2016)	From scene to digital image: Camera processing pipeline	23	4
3	11-11-2016	Dr. Jaideep Ganguly	Recurrent Neural Networks in Sequence Learning for Dialog Systems	10	31
4	9-12-2016	Dr. Yogesh Ramadass	Power Electronics for the Future: Research Trends and Challenges	8	26
5	23-12-2016	Mr. Sudipta Ghosh	Detection & Analysis of Cardiovascular Functions Based on Electrical Impedance Technique	4	5
6	29-12-2016	Mr. M.Manimaran	Software development methodology for Safety systems of Nuclear Power Plant	8	11

- Major Student and Affinity Group Activities
IIT Kharagpur Student Branch (STB20461) Activities:

Technical Activities of IEEE Student Branch

- IEEE student branch with meta-KGP had taken the initiative to organize a Ubuntu install fest on Sept 4, 2016.
- The IEEE Student Branch had organized IEEE Students' Technology Symposium (TechSym) 2016 during Sept 30-Oct 2, 2016.
 - In Techsym, there was 283 submission of papers to 8 regular tracks.
 - A total 335 reviewers were participated in review process.
 - 28 papers for oral presentation and 34 papers for poster presentations were accepted which makes the overall acceptance rate as 21.9%
 - Total 19 awards were presented in Techsym.
 - Alongside TechSym had Late Breaking Research Session also.
 - A total of 62 participants, including 9 from IIT Kharagpur and 53 from other institutes of India and abroad, registered to attend the symposium.
- TechSym 2016 had two Plenary and four Keynote speakers.
 - Prof. Bijoy K. Ghosh (IEEE Fellow)Professor, Department of Mathematics and Statistics, Texas Tech University, had given a plenary talk on "Machine Cognition and Control using a Sensor Network"
 - Prof. Anura P. Jayasumana, Professor Electrical & Computer Engineering Department , Colorado State University, had given another plenary talk on "Network Aware Nodes: A Localization-Free Self-Organization Approach for Internet of Things". (COMSOC DLT)
 - Prof. Sushmita Mitra, (IEEE Fellow), Professor, Machine Intelligence Unit, Indian Statistical Institute delivered a talk on "Hybridization in Computational Intelligence: Applications to Bioinformatics and Biomedical Imagery" as a keynote speaker.

- Prof. Debatosh Guha, Fellow, IEEE, Professor, Institute of Radio Physics and Electronics, University of Calcutta also gave a keynote talk on “Transforming Technology through the Power of Minds”.
- Dr. Purushottam Kar, Assistant Professor and Dr. Deep Singh and Daljeet Kaur Faculty Fellow, Department of Computer Science and Engineering, IIT Kanpur shared his experience on “Extreme Classification” as the third keynote.
- The final keynote was given by Mr. Harish Mysore, Director, India Operation, IEEE India Office on “Planning and executing a successful technical conference in India”.
- The IEEE student branch had organized a workshop entitled as “Workshop on Deep Learning and its Applications with Hands-on Training” on Oct 1, 2016
- Kshitij and IEEE student branch had jointly organized Eureka, a technical paper presentation event during Kshitij 2016, the Techno-management festival of IIT Kharagpur.

Other Activities

The IEEE Student Branch has awarded partial financial support to two students as a part of the Conference Support Scheme.

HIT Student Branch (STB66361) Activities

IEEE HIT STUDENT BRANCH ANNUAL REPORT 2016

▪ **Event Details:**

Sl. No.	Name of the Events	Date	Expenditure (Rs)	Collection /Income (Rs)	Number of Participants	Resource Persons
1	HOW TO CRACK INTERVIEW		3,350	-	400	SOURAV KUMAR ROY MANAGER TATA STEEL JAMSHEDPUR
2	CAREER OPPORTUNITIES IN ENGG	4 th March 2016	-	-	250	DIRECTOR MADE EASY KOLKATA
3	Workshop on BIPED ROBOTICS	5 th & 6 th March 2016	32,992/-	35,000	40	SKILL REX TAPAN KUMAR
4	PCB DESIGNING	2 nd and 3 rd April 2016	43,993	38,300/-	55	SKILL REX TAPAN KUMAR
5	Vehicle Dynamics and Design	16 th and 17 th APRIL	19,050/-	19,800/-	35	BHARAT AUTO SOLUTIONS
6	Workshop on ROBOTICS	20 th APRIL	-	-	100	Final Year Students of IEEE
7	Armageddon (ROBOWAR)	25 th and 27 th APRIL 2016	12,800/-	10,300/-	95	Final Year Students of IEEE
8	Workshop on PSPICE	8 th to 11 th AUG. 2016	650/-	5000/-	100	Faculties of EE Dept HIT
9	Workshop on MATLAB	29 th AUG. - 1 st SEPT. 2016	1975/-		100	Faculties of EE Dept HIT
10	Workshop on	3 rd -4 th OCT.	-	-	160	Final Year Students of

	AUTONOMOUS ROBOTICS at. ST THOMAS INST. Of TECH.	2016				IEEE
11	Workshop on VIRTUAL LAB	28 th OCT. 2016	-	-	120	Prof. ALOK KANTI DEB IIT KGP
12	Workshop on MANUAL ROBOTICS	8 th NOV to 15 th NOV 2016	92950/-	92950/-	250	Final Year Students of IEEE
13	Compétition on MANUAL ROBOTICS	16 th -17 th NOV. 2016	-	-	250	Final Year Students of IEEE
TOTAL (Rs)			2,07,760/-	2,01,350/-		

IEEE EMB Student Club IIT Kharagpur

Activities Report for the Year 2016 (Sept-Dec 2016)

1. IEEE EMBS student club co-organised IEEE International Students Technology Symposium 2016 during Sept 30 – Oct 2 2016.
2. Inhibition of biofilms caused by Klebsiella pneumonia by Prof. Dick Strugnell, Pro Vice-Chancellor (Graduate and International Research), University of Melbourne, Australia. Date: Dec 3, 2016; Venue: Seminar Hall, School of Medical Science and Technology.
3. IEEE EMB Student Club has undertaken co-editorial role in IEEE Kharagpur Student magazine.
4. IEEE EMB execom meet for SAC selection, Medical Camp for 2017, EMB Hackathon 2017 and Petition for forming Student Branch Chapter

IEEE SPS Student Branch Chapter IIT Kharagpur

Technical Activities of IEEE SPS Student Branch Chapter

Aug 16, 2016	Distributed Hypothesis Testing - Algorithms and Asymptotics	Anit Kumar Sahu Ph.D Scholar Electrical and Computer Engineering at Carnegie Mellon University, Pittsburgh
Sept 9, 2016	Microphone Array Processing for Acoustic Source Localization	Dr. Lalan Kumar School of Electrical Sciences, IIT Bhubaneswar
Sept 29, 2016	Physical Layer Secrecy: From Theory to Practice	Dr. Parthajit Mohapatra IIT Kharagpur
Nov 16, 2016	Sub-Nyquist Sampling of Signals and Applications to Imaging	Dr. Satish Mulleti IISc Bangalore
Nov 26, 2016	Scalable Multi-rate Speech Coding for VoIP Networks	Prof. Tokunbo Ogunfunmi Santa Clara University
Dec 12, 2016	Convexity, Sparsity, Nullity and all that ... in Machine Learning	Prof. Hamid Krim
Dec 26, 2016	Internet of Things: Information Analytics, Energy Efficiency and Hardware Security	Prof. Keshab K. Parhi, University of Minnesota

IEEE AP-MTTS Student Branch Chapter IIT Kharagpur

Technical Activities of IEEE AP-MTTS Student Branch Chapter

Apr 9, 2016	Challenges in Finding Research Problem	Prof. Debatosh Guha Fellow, IEEE, University of Calcutta
Aug 19, 2016	Novel RfMems Single-Pole-Multi-Throw Switching Circuits And True Time Delay Phase Shifters	Prof. Shiban K. Koul IIT Delhi
Sept 19, 2016	Workshop on “Introduction to Electricity and Magnetism with Illustrative Examples” for Standard XI and XII School Students	Execom and SAC Members
Sept 29, 2016	RF Energy Harvesting for Internet of Things	Prof. K. J. Vinoy IISc Bangalore

Women In-Engineering (WIE)

TECHNICAL ACTIVITIES DURING 2016

- **IEEE Students’ Technology Symposium (IEEE TechSym 2016)**

30 Sep – 02 Oct, 2016, IIT Kharagpur

The IEEE Women in Engineering Kharagpur Section organized WIE track “WIE @ 2016 TechSym” at the 2016 IEEE Students’ Technology Symposium (TechSym) on *30 Sept 2016*. The event consisted of a keynote talk, 3-minute challenge and a panel discussion.

- **IEEE STAR, Student-Teacher and Research Engineer/Scientist Program**

The IEEE WIE Affinity Group of Kharagpur Section organized Student-Teacher and Research Engineer/Scientist (STAR) Program in Kendriya Vidyalaya No. 2 Kharagpur on *Sept 09, 2016*.

- **50 Years Celebration of R10**

Region 10 completed golden jubilee of R10 initiation in 2016. IEEE Women in Engineering, Kharagpur Section organized a two and a half hour event to celebrate 50 years of R10 on *Nov 4 2016*. The celebration consisted of Talk by Prof. N K Kishore, 2007 Chair, IEEE Kharagpur Section and Dr. Alok Kanti Deb, 2016 Chair, IEEE Kharagpur Section. A discussion on the history of R10, IEEE Kharagpur Section, and our WIE Affinity Group was carried out. A beautiful activity video by our 2016 WIE Vice-Chair Ms Sayani Mondal showcased the activities done by WIE Affinity Group, Kharagpur. The message sent by our founding Chair Dr. Rusha Patra was read out in the event. Dr. Rajlaxmi Chouhan, our 2014 Chair sent a video message which was shown during the event. Praful P. Pai, 2014 Chair, IEEE Student Branch, Kharagpur Section presented beautiful slides on the history of SB Kharagpur Section. A cake cutting ceremony was followed by a round of quiz questions.

A heart-warming video message from R10 WIE coordinator Dr. Celia Shahnaz brightened and lightened up the event.

- **Seminar Series**

Sl.	Speaker	Topic	Date
1	Dr. Raji Sundarrajan	High Voltage Applications in Healthcare	11-3-2016
2	Bhudendu Bhadauri	Landscape Dynamics, Geographic Data and Scalable Computing: The Oakridge Experience	5-5-2016
3	Prof. Indrajit Ray	Privacy Preserving Search on Encrypted Patient Level Clinical Databases	9-6-2016
4	Prof. Indrakshi Ray	Applying Attribute-Based Access Control for Privacy Preserving Health Data Disclosure	9-6-2016
5	Prof. R. Vijaya	"Photonic crystal-based devices for novel functionalities"	4-7-2016

NON-TECHNICAL ACTIVITIES DURING 2016

- **R10 Director's Visit**

Ramakrishna Kappagantu, R10 Director visited IEEE Kharagpur Section on Dec 14, 2016. IEEE Kharagpur Section along with Executive Committee members of WIE Kharagpur and SB members had a discussion with him wherein several comments were given and suggestions were made.

- Awards

- 1) Two executive committee members, Dr Sanjay Chaturvedi and Dr Shailendra K Varshney and Dr Santanu Kapat has been elevated to Senior Member grade.
- 2) IEEE R10 WIE award to support WIE track during TechSym 2016,
- 3) IEEE R10 WIE award to conduct STAR activity
- 4) IEEE R10 WIE award to organize R10 50 years anniversary
- 5) Mr Tamoghna Ojha (IEEE Kharagpur section Student Branch Chair, 2015) has been awarded IEEE CS R. E. Merwin Student Scholarship for 2017.

A.2 Financial Report – (Please follow the format given below)

- Summary (as per submitted L50)
- Any other financial activities

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years. - 740
- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members
 Membership boot camps were organized.
 Social gatherings were organized for membership retention
 Personal campaigning was undertaken by executive committee members.

B.2 Chapter Activities

- Total number of Chapters in the Section -3
- Number of Chapters formed in the current year - 0
- Number of Active Chapters (Chapters who have reported required number of meetings during the year) - 3
- Summary of Chapter activities chapter wise with attachment table / information

CSS Chapter organized 7 technical talks
 EMB Chapter organized 8 technical talks
 SPS Chapter organized 6 technical talks
 WIE Affinity Group organized 5 technical talks & celebrated 50 years of IEEE R10.
 YP Affinity group organized 6 technical talks

B.3 Professional and Continuing Education Activities

Summary of continuing Educational activities including conferences, technical activities, training courses, and distinguished lecture programs with attachment table / information

Kharagpur section organized 18 technical talks
 CSS Chapter organized 7 technical talks
 EMB Chapter organized 8 technical talks
 SPS Chapter organized 6 technical talks
 WIE Affinity Group organized 5 technical talks & celebrated 50 years of IEEE R10.
 YP Affinity group organized 6 technical talks
TOTAL = 50

B.4 Students Activities

- Total number of Student branches in the Section: 2
- Number of Student branches formed in the current year:0
- Section level student activities (student congress, paper and other contests, awards etc)
- Number of Active Student branches (Student branches who have reported required number of meetings during the year): 2
- Summary of Student branch activities student branch wise with attachment table / information

B.5 Affinity Group Activities

- Young Professional – organized 6 lectures
- WIE – organized 5 lecture, 50 years R10 anniversary
- Life Member – no activity

B.6 Awards & Recognition Activities

- Award constituted by the section: NIL
- Award(s) received from R10
 - 1) WIE Affinity Group, IEEE Kharagpur section won the R10 WIE Support fund of \$ 250 for organizing the WIE track for women engineers during TechSym 2016.
 - 2) WIE Affinity Group, IEEE Kharagpur section won the R10 WIE Support fund of \$ 150 for organizing Student-Teacher and Research Engineer/Scientist (STAR) Program at nearby schools.
 - 3) WIE Affinity Group, IEEE Kharagpur section won the R10 WIE Support fund of \$ 200 to celebrate R10 50 years anniversary.
- Award(s) received from IEEE HQ - NO

B.7 Communication Activities (Newsletter, Home Page, E-mail etc.)

- Newsletter (name and number of issues in the year): NIL
- Home Page of the section (give the URL and frequency which it is updated)
<http://ewh.ieee.org/r10/kharagpur>, event driven update
- Other means of contacts with section members

Section and Student Branch have their facebook pages. All activities are advertised via facebook. Mailing listservers are also maintained and used for notification of all activities.

B.8 Industry Relations

- Membership growth and retention – New industry members are targeted
- Activities for/with industrial members - Industry Field Trip was organized for the members and their families and student body members at AFS, Kalaikunda on Feb 6, 2016.

B.9 Humanitarian Technology Activities

B.10 Community Activities

- IEEE Social activities (Family day, IEEE day, Engineers Week)”
- IEEE WIE Affinity Group of Kharagpur Section organized Student-Teacher and Research Engineer/Scientist (STAR) Program in Kendriya Vidyalaya No. 2 Kharagpur on *Sept 09, 2016*.

PART C - OTHERS

C.1 Relationship with National Societies - NIL

C.2 Special Events

C.3 Problems to be Anticipated- Finance

C.4 Best Practices of your section (which you would like share with other sections for the benefits of members)

PART D - GOALS AND PLANS

D.1 Continuation of Project/Activity in Progress and Their Implementation Plans

D.2 Goals and Future Plans

- 1) Registration of IEEE Kharagpur section under West Bengal Society Registration Act, 1961.
- 2) To organize regular technical activities.
- 3) To increase membership.
- 4) To organize TechSym 2018
- 5) IEEE-Eta-Kappa-Nu (HKN) Honor Society Chapter formation
- 6) IEEE Communication Society and IEEE Computer Society Chapter formation.