

## PART A - SECTION SUMMARY

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

- Section Executive Committee Member List
  - Dr. P. Bajpai (Chair)
  - Dr. Raja Datta (Vice Chair & S.B. Councilor )
  - Dr. Pabitra Mitra (Secretary & Treasurer)
  - Dr. Manjunath .M. (Past Chair)
  - Prof. C. Chakraborty
  - Prof. D. Samanta (M. D. Chair)
  - Dr. S. Misra
  - Dr. Alok Kanti Deb (Control society Chair)
  - Dr. Karabi Biswas
  - Prof. A. Bhattacharjee
  - Dr. Santanu Das (HIT, SB Councilor)
  
- Section Highlights
  - Situated on Indian Institute of Technology Khargapur campus, West Bengal state of India.
  - Members comprise of faculty, staff and students from IITKharapur and Haldia Institute of Technology
  - Organize regular seminars by visiting experts (coming for academic purpose to IITKharapur) , technically cosponsor International and National conferences held in the region
  - Financial (partial) travel support to student members for paper presentation in International conferences
  
- Major Events (International, National)
  - Technically co-sponsored IEEE-EMBS Special Topic Conference on Point-of-Care Health Technologies during 16-18 January 2013 held at Bangalore
  - Technically co-sponsored IEEE 8th International Conference on Industrial and Information Systems (ICIIS) during 17 Dec - 20 Dec 2013 held at Department of Electrical and Electronic Engineering University of Peradeniya, Peradeniya, Sri Lanka
  - Technically co-sponsored International Conference on VLSI and Signal Processing (ICVSP) during 10-12 January 2014 held at Electronics and Electrical Communication Engineering, IIT Kharapur, India
  - Technically sponsored 2nd International Conference on Business and Information Management (ICBIM) during 09 Jan - 11 Jan 2014 held at City Residency Gandhi More, Durgapur, India
  
- Major Chapter Activities
  - FIVE seminars by eminent speakers from Indian and abroad were organized by Control System Society Chapter
  
- Major Student and Affinity Group Activities
  - **"IEEE Workshop on MEMS & Microsystems With Hands-on training in Device Simulation and Microfabrication Process"** being jointly organized by IEEE Student Branch, IEEE EMB Student Club and WiE Affinity group of IIT Kharapur during 4 – 6 July, 2013.
  - Seminar on **"Open Source Technologies"** by Prof. Chittaranjan Mandal, on the occasion of IEEE Day ceremony on October 8, 2013.
  - Workshop on **"LaTeX (Document Type setting for Paper / Thesis Writing)"** by Mr. Debdoot Sheet, School of Medical Science and Technology, IIT Kharapur on October 8, 2013. IEEE Student Branch in association with IEEE EMB Student Club and WiE Affinity has organized **three Invited IEEE PEER Talks**
  - IEEE Student Branch in association with IEEE EMB Student Club, Machine Learning reading group and WiE Affinity has organized **two Invited Talks**
  - IEEE Student Branch, EMB Student Club and WiE Affinity of IIT Kharapur had jointly organized **Medical camp** on March 30, 2013
  - The IEEE Student Branch, WiE Affinity group and IEEE EMB Student Club along with the IEEE Kharapur Section celebrated **IEEE Day** on October 8, 2013

- Awards
  - 2012 R10 Distinguished Small Section Award
  - 2008 R10 Distinguished Small Section Award

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

- Summary (as per submitted L50)
  - 2013 Financial report submitted in net-suite. Profit-Loss stamen is attached
  - 2013 audit report is also attached.
- Any other financial activities

## PART B - ORGANIZATIONAL ACTIVITIES

### B.1 Membership Development Activities

- Total number of active members in the past 3 years.

2011	2012	2013
195	271	357

- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members
  - Regular reminder to defaulters by email alerts for renewal
  - Organizing motivational talk about IEEE benefits

### B.2 Chapter Activities

- Total number of Chapters in the Section
  - ONE : Control System Society
- Number of Chapters formed in the current year: NIL
- Number of Active Chapters (Chapters who have reported required number of meetings during the year): ONE
- Summary of Chapter activities chapter wise with attachment table / information

Sl. No.	Activity	Speaker Name	Topic	Date	Attendance	
					Member	Non-member
1	CONTROL CHAPTER Seminar	Dr. Atanendu Sekhar Mandal	Designing an ASIP for Hindi Text to Speech Synthesis	5th December, 2013	5	12
2	CONTROL CHAPTER Seminar	Dr. Goutam Chattopadhyay	Terahertz Technology: What Can We Do with It?	19th December, 2013	15	18
3	CONTROL CHAPTER Seminar	Mr. Supratim Ghosh	Teams and Games for Distributed Consensus	26 th July, 2013	9	9
4	CONTROL CHAPTER Seminar	Mr. Mayank Raj	Energy Adaptive Computing for Constrained Networks	Nov. 18, 2013	10	13
5	CONTROL CHAPTER Seminar	Mr. Sumit Kumar Chattopadhyay	Multilevel Inverters with Level Doubling Network: A New Topological Variation	30 <sup>th</sup> December 2013	4	7

### 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

Sl. No.	Activity	Speaker Name	Topic	Date	Attendance	
					Member	Non-member
1	IEEE Seminar	Dr. Debabrata Saha	A Deterministic Measure and an Information Computing	22 <sup>nd</sup> January, 2013	5	12

			Machine			
2	IEEE Seminar	Prof. Richard Lai	"How to write and publish a Technical paper on your thesis in an internationally reputed journal in Computer Science?"	3th Jan 2013	5	21
3	IEEE Seminar	Prof. Richard Lai	Building automotive software component within the Auto SAR environment	31 <sup>st</sup> January 2013	5	3
4	IEEE Seminar	DR. BEDABRAT A PAIN	ADVENT of DIGITAL IMAGING - CMOS ACTIVE PIXEL SENSORS	1st February 2013	28	77
5	IEEE Seminar	Dr. Vinay Jammu	Energy R&D in GE	April 3rd, 2013	8	21
6	IEEE Seminar	Dr. M.K. Srivas	Application of Bounded Model Checking for Microprocessor Verification	April 5 <sup>th</sup> , 2013	11	7
7	IEEE Seminar	Dr Sagar Jyoti Chaki	Compositional Sequentialization of Periodic Programs	July 29, 2013	7	10
8	IEEE Seminar	Prof. Vinod Sharma	Nonparametric Distributed Sequential Detection via Universal Source Coding	13 <sup>th</sup> Sept 2013	9	11
9	IEEE Seminar	Professor S V Kulkarni	"Transformer-System Interactions and Modeling".	Nov. 1, 2013	7	19
10	IEEE Seminar	Dr. Prathu Tiwari	Architecture and programming on Xeon Phi	Nov. 13, 2013	2	21
11	IEEE Seminar	Prof Tapan Saha	Power engineering research at the University of Queensland(UQ)	Dec. 9, 2013	10	17
12	IEEE Seminar	Dr. Dip Goswami	From Embedded Systems to Cyber-Physical Systems	Dec. 18, 2013	13	20

#### B.4 Students Activities

- Total number of Student branches in the Section;TWO
  - IIT Kharagpur student branch
  - Haldia Institute of Technology student branch
- 
- Number of Student branches formed in the current year: NIL
- Section level student activities (student congress, paper and other contests, awards etc)
  - Mr. Phani Krishna Karri, IEEE UPP Liaison of IEEE Student Branch IIT Kharagpur (2013 – 2014) and Chair of IEEE EMB Student Club IIT Kharagpur (2013 – 2014) represented IEEE Student Branch of IIT Kharagpur at **2013 IEEE UPP Leaders Summit**, held at Massachusetts institute of technology on August 22, 2013
  - IEEE Student Branch has given a sponsorship of Rs 10,000 to **Winter Workshops** organized by Technology Robotix Society of IIT Kharagpur. This workshop was aimed to enhance technical know-how of robot making among fresher's in IIT campus during 28th Nov` - 4th Dec 2013.
  - Partial sponsorship of Rs. 2500/- given by IEEE Student Branch to Mr. Kausik Basak of SMST IIT Kharagpur for partial financial support towards payment for attending IEEE conference 'IEEE national conference on Computer Vision, Pattern Recognition, Image Processing and Graphics (NCVPRIPG) 2013' at IIT Jodhpur on 19 – 21 December, 2013.
- Number of Active Student branches (Student branches who have reported required number of meetings during the year):TWO
- Summary of Student branch activities student branch wise with attachment table / information

Sl. No.	Name of the Events	Date	Number of Participants	Resource Persons
1	Robotryst (Workshop on Robotics)	24 April, 2013	65	Robosaipens Technologies Pvt Ltd
2	IEEE HIT SB- Fresher's Welcome & Farewell Program		100	IEEE HIT SB & EE dept., HIT
4	MATLAB Workshop	27-28 JULY, 2013	110	Faculties of EE dept, HIT
5	PSPICE Workshop	3-4 AUG, 2013	87	Faculties of EE dept, HIT
6	Aeromodelling Workshop (Aerotrix)	24-25 Aug, 2013	30	Aerotrix Group
7	Robotics Workshop (Introbots)	21-22 Sept. 2013	56	Introbots, IIT Kharagpur group
8	GATE Preparation test series	weekend	102	GATE Academy

### B.5 Affinity Group Activities

- WIE
  - Four days workshop named "IEEE Workshop on MEMS & Microsystems With Hands-on training in Device Simulation and Microfabrication Process" had been jointly organized by IEEE WIE Affinity groups of IIT Kharagpur along with IEEE Student Branch and IEEE EMB Student Club of IIT Kharagpur from 4<sup>th</sup> to 6<sup>th</sup> of July, 2013 at IIT Kharagpur.
  - Seminar on "Open Source Technologies" by Prof. Chittaranjan Mandal, Department of Computer Science Engineering, IIT Kharagpur had been conducted on the occasion of IEEE Day ceremony on October 8, 2013.
  - Workshop on "LaTeX (Document Type setting for Paper / Thesis Writing)" by Mr. Debdoot Sheet, School of Medical Science and Technology, IIT Kharagpur had been conducted on October 8, 2013. It was jointly organized by IEEE Student Branch, IEEE EMB Student Club, WiE Affinity. There were around 100 participants across the campus of IIT Kharagpur.
  - WiE Affinity in association with IEEE Student Branch and IEEE EMB Student Club had organized three Invited IEEE PEER Talks
  - IEEE EMB Student Club in association with IEEE Student Branch and WiE Affinity established Machine Learning reading group has organized two Invited Talks

### B.6 Awards & Recognition Activities

- Award constituted by the section : NIL
- Award(s) received from R10: NIL
- Award(s) received from IEEE HQ: NIL

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

- Newsletter (name and number of issues in the year)
- Home Page of the section (give the URL and frequency which it is updated)
- Other means of contacts with section members: EMAIL

### B.8 Community Activities

### B.9 Other Organizational Activities

## **PART C - OTHERS**

### **C.1 Relationship with National Societies**

### **C.2 Special Events**

- IEEE Kharagpur section signed MoU with GIEEE during India Council meeting at IEEE India office Bangalore on 26<sup>th</sup> October 2013.

### **C.3 Problems to be Anticipated**

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

- Sustained growth in membership count

## **PART D - GOALS AND PLANS**

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

### **D.2 Goals and Future Plans**

- Increase in active membership count
- Retaining the vibrant nature of the section by organizing the activities for advancement of humanity
- Membership up gradation program
- Encourage student membership by technical and financial support to their activities

**IEEE**  
**IEEE : Region 10 : Region 10 INR**  
**Profit and Loss**  
**From Jan 2013 to Dec 2013**

Financial Row	Amount
<b>Sales</b>	
2.80 - Student Activities	Rs.15,598.00
3.10 - Rebate from IEEE HQ	Rs.207,320.00
3.40 - IEEE CB Account Interest	Rs.7,418.03
3.90 - Reserve Allocation Income	Rs.7,544.18
<b>Total - Sales</b>	<b>Rs.237,880.21</b>
<b>Gross Profit</b>	<b>Rs.237,880.21</b>
<b>Overheads</b>	
4.10 - Meetings & Social Events Expense	Rs.75,528.00
5.20 - Travel Expense	Rs.40,555.00
5.30 - Salaries Expense	Rs.48,000.00
5.50 - Support to Sections/Chapters Expense	Rs.25,000.00
5.57 - Depreciation on Furniture & Equipment Expense	Rs.5,200.00
5.60 - Other Management & General Expenses	Rs.4,500.00
<b>Total - Overheads</b>	<b>Rs.198,783.00</b>
<b>Operating Profit</b>	<b>Rs.39,097.21</b>
<b>Net Profit/(Loss)</b>	<b>Rs.39,097.21</b>



# KUNDU & ASSOCIATES

AUDITORS, MANAGEMENT ACCOUNTANTS & FINANCIAL CONSULTANT  
FIRM REG. NO. 100238 (ICMA)

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERING (IEEE)  
KHARAGPUR SECTION, IIT KHARAGPUR- 721302  
Balance Sheet as on 31st December, 2013

Liabilities	Amount (₹)	Amount (₹)	Assets	Amount (₹)	Amount (₹)
<u>General Fund</u>			<u>Fixed Assets</u>		
As per Balance Sheet, 2012	321,991.78		Computer as per last Balance sheet	7,037.00	
Less: Excess of Expenditure over Income 2012	47,237.65		Less: Depreciation	2,111.00	4,926.00
		274,754.13	Furniture as per last Balance sheet	12,938.00	
Excess of Income over Expenditure, 2013		8,750.03	Less: Depreciation	1,294.00	11,644.00
			<u>Current Assets</u>		
			Term Deposit: SBI		50,000.00
			Advance as per last Balance sheet, 2012		
			HIT Student Branch	20,000.00	
			Less: Adjusted during 2013	20,000.00	NIL
			<u>Closing Balance</u>		
			Cash in hand	602.00	
			Cash at bank	200,734.16	201,336.16
			AIYE Hum Grant, 2013		15,598.00
<b>Total</b>		<b>283,504.16</b>	<b>Total</b>		<b>283,504.16</b>

Dr. Prabodh Bajpai  
Chair

Dr. Raja Datta  
Vice -Chair

Dr. Pabitra Mitra  
Secretary / Treasurer



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