

JEPPIAAR ENGINEERING COLLEGE

**DEPARTMENT OF ELECTRONICS AND
INSTRUMENTATION ENGINEERING**

DEPARTMENT ACHIEVEMENTS

ACADEMIC YEAR (2013 -14)

JEPPIAAR ENGINEERING COLLEGE

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

STUDENTS ACHIEVEMENTS

- Our department has achieved **12 Anna University ranks** from the batch 2009-13
- The Department of Electronics and Instrumentation Engineering has received “**Teaching Excellence Awards in Engineering 2014**” from Stanford University UK, British council, Tamil Nadu Government and Education Matters on March 3rd 2014.
- Our students Saron Roy and Arun Noel Victor **presented papers in IEEE Global Humanitarian Technical Conference (GHTC 2013)** at San Jose, California, USA.
- Ms.Swetha has received a **honoree of \$1000** to attend **the International IEEE Power and Energy Student Congress to be held at Turkey** from IEEE representing the Asian Pacific Countries between 29th – 31st August 2014
- Our student TOMIN JOSEPH is selected as a **Google Ambassador**.
- One of our Student V.GOWTHAM has attended **ALL INDIA QUIZ COMPLETION** (online) and won cash prize & certificate.
- 10 of our students are **pursuing M.S in foreign universities** like NANYANG TECHNOLOGICAL UNIVERSITY, SINGAPORE, UNIVERSITY OF ILLINOIS, CHICAGO, WARSAW UNIVERSITY OF POLAND, KAUNAS UNIVERSITY OF TECHNOLOGY – LITHUANIA, UNIVERSITY OF WINDSOR – CANADA, STATE UNIVERSITY OF NEW YORK – STONYBROOK, etc.,
- Our student had selected for various post in IEEE during the period of 2013-2014

S:NO	NAME	POST
1	KRISHNA.V.S	IEEE VICE CHAIRMAN
		IEEE MADRAS SECTION VOLUNTEER
		ISA EXECOM MEMBER

2.	SANTHOSH	IEEE SECRETARY
	KUMAR.S	ISA EXECOM MEMBER
		IEEE DAY AMBASSADOR

- The position held by our students in IEEE for different societies during the year 2013-2014 are

S:NO	NAME	POST
1	SWETHA.S	IEEE CHAIRMAN Power & Energy society
2	MYTHERI	IEEE VICE CHAIRMAN OF (WIE)

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- The position held by our students in ISOI during the year 2013-2014 are

S:NO	NAME	POST
1	D.SARAVANAN	PRESIDENT
2	A.VIMALA	VICE-PRESIDENT
3	V.GOWTHAM	SECRETARY
4	TOMIN JOSEPH	TREASURER
5	M.VISALAKSHI, A.POORNIMAA, M.ATCHAIVIKNESH, VIVEKVENKATA SUBRAMANIAN, K. SHIJO JOHNSON, VISHNU BHARATHI, G.B.HARI	EVENT MANAGERS

- The position held by our students in ISA during the year 2013-2014 are

S:NO	NAME	POST
1	R.MUKESH ARVIND	PRESIDENT
2	L.JAYASHREE	VICE-PRESIDENT
3	R.RAGHUL	SECRETARY
4	AASHISH MURALI	TREASURER
5	PRICILLA GOMES, V.GOWTHAM, S.SWETHA, J.J.C.PHILOMINNA, M.ATCHAIVIKNESH, VIVEKVENKATA SUBRAMANIAN	EVENT CHAIRS

ANNA UNIVERSITY RANK HOLDERS (2009-2013 BATCH)



ARVIND.M
RANK:- 18
CGPA: 8.78



**EPSY SHINY
EDWARD**
RANK:- 20
CGPA:8.76



GOWTHAM.S
RANK:- 25
CGPA:8.7



VIJL.V
RANK :- 26
CGPA:8.69



KAYALVIZHI.K
RANK:35
CGPA:8.6



SNEHA.S
RANK:-37
CGPA:8.58



PRIYANKAR.I.S
RANK:-38
CGPA:8.57



JEEVITHA.V.K
RANK:-42
CGPA:8.53



JEYASOUNDAR.N
RANK:-43
CGPA:8.52



VARSHA.V
RANK:-45
CGPA:8.50



JEEVITHA .D
RANK:-45
CGPA:8.50



THAIRUSH.R
RANK:-50
CGPA:8.45

COCURRICULAR ACHIEVEMENTS

S.NO	STUDENT NAME	YEAR	COCURRICULAR ACTIVITIES / SYMPOSIUM
1	NITIN TOM G.DINESH	IV	WON 1 st PRIZE IN TECHNICAL QUIZ - NATIONAL LEVEL ENGINEERING COLLEGE
2	SWETHA.S VIMALA.A	III	WON 2 nd PRIZE IN CIRCUIT DEBUGGING AND WON CASH AWARD OF Rs.500/- AT PANIMALAR ENGG COLLEGE
3	SWETHA.S SARANYA.U	III	WON 1 st PRIZE IN ANNA UNIVERSITY-IIT MADRAS AND WON CASH AWARD OF Rs.1000/- TREASURE HUNT
4	TOMIN JOSEPH	III	PARTICIPATED IN KAIZEN2.0 AT COLLEGE OF ENGG, MUNNAR
5	SHIJO JOHNSON	III	PARTICIPATED IN KAIZEN2.0 AND ETHICAL HACKING AT COLLEGE OF ENGG, MUNNAR
6	AISHWARYA	III	PARTICIPATED IN ETHICAL HACKING AT VELS UNIVERSITY
7	AMRUTHA SAKTHI PRIYADHARSHINI G.T.ELAKKIYA	III	PARTICIPATED IN ROBOTICS-WORKSHOP AT MIT-HUMANOID
8	PADMAPRIYA PRIYANKA.R	III	PARTICIPATED IN ES USING FPGA AT MIT
9	ABHILASHINI.R	III	WON 1 st PRIZE IN TREASURE HUNT AT MIT
10	SASIKALA ROJA PRIYANKA.RAO SOWBHAGYA	II	PARTICIPATED IN SOLARILLION RESEARCH OPPORTUNITIS IN EMERGING AREAS OF ELECTRICAL ENGINEERING AT IIT
11	KRISHNA.V.S	IV	PRESENTED A PAPER ON “AUTOMATION AND ACCIDENTS REPORTING IN BIKES” AND WON 1 st PRIZE AT AIHT
12	NITIN TOM G.DINESH	IV	PRESENTED A PAPER AT NATIONAL ENGINEERING COLLEGE AND WON III rd PRIZE
13	SRIVATSAN VINOTH	III	PRESENTED A PAPER AT VELLAMMAL CONFERENCE AND WON II nd PRIZE
14	GOKULA KRISHNA PRASANNA	II	PRESENTED A PAPER AT SSN ENGINEERING COLLEGE
15	SWETHA VIMALA.A	III	PRESENTED A PAPER AT INFOSYS
16	ABHILASHINI.R	III	PRESENTED A PAPER AT MIT
17	SRIVATSAN VINOTH	III	PRESENTED A PAPER AT VELAMMAL ENGINEERING COLLEGE AND WON II PRIZE
18	GOKULA KRISHNA PRASANNA	II	PRESENTED A PAPER AT SSN ENGINEERING COLLEGE
17	SWETHA.S VIMALA.A	III	PRESENTED A PAPER AT BHARATH UNIVERSITY

SPORTS ACHIEVEMENTS

S. NO	DATE OF EVENT	CATEGORY	TOURNAMENT	STUDENT NAME	PRIZE WON
1.	14.07.13	MARATHON	TAMILNADU ATHLET ASSOCIATION	M.SIVAPRAKASH SARAVANAN D.PAVATHARAN RAJESH. B PRAKASH.B G.LINGARAJ	SUCCESSFULLY COMPLETED THE SPELL BOUND CHENNAI (12 KM)
2	25.08.13	BASKET BALL(W)	ANNA UNIVERSITY [ZONALS]	ATHIRA RAVI, LIDYA VARGHESE, TERESA THOMAS	RUNNERS
3.	02.09.13	BASKET BALL(W)	CMC, CHENGALPET	ATHIRA RAVI, LIDYA VARGHESE, TERESA THOMAS	RUNNERS
4	09.08.13, 10.08.13	FOOT BALL	BAYNE'S TOURNAMENT	JINO STEPHEN, M.A.MOHAMED IRFANULLA	RUNNERS
5	06.08.13, 07.08.13	FOOT BALL	ZONE III	JINO STEPHEN, M.A.MOHAMED IRFANULLA	RUNNERS
6	18.10.13, 19.10.13	FOOT BALL	ANJALAIAMMA L TROPHY	JINO STEPHEN, M.A.MOHAMED IRFANULLA	WINNERS
7	02.02.14 - 05.02.14	FOOT BALL	SAVEETHA TROPHY	JINO STEPHEN, M.A.MOHAMED IRFANULLA	WINNERS
8	16.03.14, 17.03.14	FOOT BALL	VEL'S CUP	JINO STEPHEN, M.A.MOHAMED IRFANULLA	WINNERS
9	05.04.14, 06.04.14	FOOT BALL	ANNA FEST SPORT'S TEST	JINO STEPHEN, M.A.MOHAMED IRFANULLA	RUNNERS
10	21.02.14 – 24.02.14	FOOT BALL	TIES	JINO STEPHEN, M.A.MOHAMED IRFANULLA	FOURTH
11	21.03.14	FOOT BALL	SIPCOT SEVEN'S	JINO STEPHEN, M.A.MOHAMED IRFANULLA	RUNNERS

12	10.09.13, 11.09.13	BASKET BALL	ZONE III, AGNI COLLEGE OF ENGG.	SANTHOSH.M, VIKAS	RUNNERS
13	21.02.14 – 24.02.14	BASKET BALL	TIES, KONGUNADU ENGG. COLLEGE	SANTHOSH.M, VIKAS	RUNNERS
14	10.09.13, 11.09.13	BASKET BALL(W)	ZONE III, AGNI COLLEGE OF ENGG.	LIDYA VARGESE, THERESA THOMAS	RUNNERS
15	24.09.13 – 26.09.13	BASKET BALL(W)	CMC, CHENGALPATT U	LIDYA VARGESE, THERESA THOMAS	RUNNERS
16	21.02.14, 22.02.14	BASKET BALL(W)	CM TROPHY, SATHYABAMA UNIVERSITY	LIDYA VARGESE, THERESA THOMAS	THIRD

ISA

CHAPTER

ACADEMIC YEAR (2013-14)

Faculty Development Programme on “Advanced Industrial Automation and Machine Vision using Labview” – 26th - 27th September 2013

The Faculty Development Programme was conducted on “Advanced Industrial Automation & Machine Vision. Dr.Pappa from *MIT* and Mr.Visweshweran.G from *National Instruments* were the Speakers and Guest of Honors. Dr.Pappa took a session on *VI – Application for Process Control Automation*. During the Session, she talked about the basic concepts on Process Control Automation and Virtual instrumentation. She gave a few case studies on Adaptive Control algorithm, Estimation Control algorithm, etc.With her very own style, she took the crowd into the concept that she wanted to convey. Her presentation was very unique and was down to the core.

The Next session was taken by Mr.Visweshweran.G which was on *Introduction to LabVIEW* , followed by hand on training. Mr.Visweshweran gave an introductory speech on Products and Tools developed by National Instruments. He also briefed about competitive exams for professionals and job opportunities in NI. A hands on training was conducted for the participants on *Image Processing and other tools available in LabVIEW*.

Two Days National Level Technical Workshop On “Signal and Image Processing Using MATLAB and LabVIEW” - 27th and 28th January, 2014

The Department of Electronics and Instrumentation Engineering conducted a Two days National Level Technical workshop on Signal & Image Processing on the 27th and 28th January, 2014 at Jeppiaar Engineering College. The workshop was attended by over 150 participants from over 12 different engineering colleges from all over India.

The first day workshop began with Dr. Govindaraj, CEERI, Chennai giving a brief introduction on *MATLAB* to all the participants. The session included various real time applications of the software to make the projects easier to construct. He then gave tips on coding and programming to the participants .

The next day session started with Dr.D.Nedumaran, Professor, Madras University who gave a speech on the fundamental concepts of Signal and Image Processing using *LabVIEW*. Relevant examples of each application along with graphs and images were dealt for better understandability.

The topic also covered Image processing onto biomedical applications such as ECG, EEG, etc. Real time simulated programs on LabVIEW were also explored. Starting from the basics of Signal and Image Processing many examples were shown and solved to help the participants understand LabVIEW in a better manner.

Faculty Development program and First Anniversary of ISA student section on “Teaching methodologies for engineering students-a new perspective”- 8th March 2014

The Department of Electronics and Instrumentation Engineering took pride in celebrating the first year anniversary of International Society of Automation on March 8th, 2014 at Jeppiaar Engineering College. The function was held in the presence of **Mrs. Regeena Jeppiaar**, Director of Jeppiaar Engineering College, our Principal of Science and Engineering **Dr. Sushil Lal Das**, our Principal of Management Studies **Dr. Thangavel** and **Dr.Sathiyabama** Head of Electronics and Instrumentation department. The chief guest was **Mrs. Rajammal** who is a well renowned motivational speaker and a **President Awardee**. The celebration was followed by a motivational session for students. She taught the students about time management and how to build ones personality. She interacted with the students on how to think ahead and be successful.

The session was followed by a **Faculty Development Programme** for the faculties on “**New teaching methodoligies for engineering students –a new perspectiv**”. The programmed enabled faculties with effective pedagogy technique and technology tools to make teaching learning experience effective .The programme provided with resources and ideas for faculties to engage in quality teaching. The programme was very beneficial and Certificates were given for all the participants of the Faculty Devolpment Program.

Workshop on “Engineering Students Reaching their Goal” – Motivation Tips - 31st march 2014

Department of Electronics and Instrumentation organized a workshop for the week students titled “**ENGINEERING STUDENTS REACHING THEIR GOAL**” – **MOTIVATION TIPS**. A total of 475 students from various stream of our college which include ECE, EEE, EIE, CSE, IT, MECH, AERO, BIO, CIVIL. The session was handled by **Ms.R.RAJAMMAL, Motivational**

Speaker and President Awardee. Totally four sessions was conducted with students of two departments where clubbed together for each session.

The issues faced by the student in their academics where discusses and at the end of the sessions the students gained confidence and got motivated for their upcoming university examinations.

ISOI

STUDENT CHAPTER

ACADEMIC YEAR (2014-15)

INAUGURATION OF INSTRUMENT SOCIETY OF INDIA – JEC STUDENT CHAPTER AND ONE DAY SEMINAR

The Department of Electronics & Instrumentation Engineering started a new student chapter for Instrumentation Engineers called “**INSTRUMENT SOCIETY OF INDIA – JEC Student Chapter**.” It was inaugurated on 11th March, 2014 at in Jeppiaar Engineering College by our esteemed Director **Mrs.Regeena Jeppiaar** in the presence of **Prof.J.Nagaraju, President of ISOI**, principals **Dr.Sushil Lal Das** and **Dr.N.Thangavel** and Head of the department **Dr.G.Sathiyabama**. The keynote speech was delivered by the Chief Guest **Prof.J.Nagaraju, President of ISOI, Bangalore**. The certificate for opening Student chapter of ISOI in Jeppiaar Engineering College was signed by the President of ISOI Pof.J.Nagaraju and it was handed over to U.G principal Dr.Sushil Lal Das, then the EX-COM members of ISOI-JEC SC for the year 2014 were announced.

Session – I was handled by the chief guest Prof.J.Nagaraju, President of ISOI on “**HEALTH MONITORING SYSTEM**” in Bio-Medical Engineering. He gave brief introduction about the real time measurement of various health parameters in medical sector. Session II was handled by the team from **AGIIT (AXIS GLOBAL INSTITUTE OF INDUSTRIAL TRAINING)** on “**INDUSTRIAL AUTOMATION WITH ROBOTICS**”. They gave introduction about the role of robotics in industrial automation. Technical talk on “Health Monitoring System” and “Industrial Automation with Robotics” are very useful for the students to acquire some knowledge on latest health monitoring systems and automation with Artificial Intelligence in Industries

There was a project Expo display by the members of ISOI where they showcase their talents by displaying their mini projects by the ISOI members to the Chief Guest, Director Mam and to other faculties. The **INSTRUMENT SOCIETY OF INDIA** serves as a platform for the students and many professionals, scholars, researches to share their ideas with the latest cutting edge technology in developing instrumentation and its systems. This society also engages the members to take part in many workshops, symposium, and seminars throughout India.

GUEST LECTURE

S.NO	BATCH	SEM/YEAR	DATE	NAME OF THE DELEGATE	COMPANY / INSTITUTION
1	2012-2016	V/III	16.7.2014	Dr.Vanajaranjan	Professor & Head Embedded Technology, CEG,ANNA University
	2011-2015	VIII/IV			
	2013-2017	III/II			
2	2013-2017	III/II	14.07.14	Mr.Vishnuvarthan.J	Managing Director Trend Instrumentation and Automation pvt ltd
3	2011-2015	VI/III	28.1.14	Dr.Nedumaran	Professor, Madras University
4	2011-2015	VI/III	27.1.14	Dr.Govindaraj	Senior Principal Scientist, CEERI, CHENNAI
5	2011-2015	VI/III	8.3.14	Ms.Rajammal	Motivational Speaker & President Awardee
	2012-2016	IV/II			
6	2012-2016	IV/II	11.3.14	Dr.Nagaraju	Gen. Secretary-ISOI
7	2012-2016	III/II	26.07.13	Mr.A.F.J Anand	Psychologist
	2011-2015	V/III			
8	2010-2014	VII/IV	02.08.13	Mr.Ayappan	Scientist, CSIO
	2011-2015	III/II			
9	2010-2014	VII/IV	22.08.13	Ms.Padma	Deputy Manager YOKOGAWA
	2011-2015	V/III			

INDUSTRIAL VISIT

S.NO	SEM / YEAR	DATE OF VISIT	BATCH	NAME OF THE INDUSTRY
1	III/II	10/8/2013	2012-16	SUJANA METALS PVT Ltd, MANJAKARANAI
2	III/II	25/09/2013	2012-16	JEPPIAAR MILK FACTORY, THIRUVANNAMALAI
3	IV/II	25/03/2014	2012-16	JEPPIAR STEEL PLANT, KUNNAVAKKAM
4	IV/II	25/03/2014	2012-16	JEPPIAAR WATER PLANT, KUNNAVAKKAM
5	V/III	14/09/2013	2011-15	THE INDIA CEMENTS Ltd, SANKARNAGAR
6	V/III	26/09/2013	2011-15	CSIO, THARAMANI
7	VI/III	26/03/2014	2011-15	JEPPIAAR WATER PLANT, KUNNAVAKKAM
8	VI/III	28/03/2014	2011-15	VI MICRO SYSTEMS,PERUNGUDI

STAFF ACHIEVEMENTS

CONFERENCE AND SEMINARS

A total of 16 out of 23 staff members have participated in the seminars and workshop conducted in various engineering colleges during 2013-2014 even semester

STAFF PUBLICATIONS

- Dr.G.SATHIYABAMA published a paper “Advanced Speed Regulation in Automobiles Using GPS *in International Journal for Research and Development in Engineering (IJRDE)*” ,Special Issue: pp- 421-424 (ISSN: 2279-0500).
- Dr.G.SATHIYABAMA published a paper “Controller Design for Quadcopter Using LABview With Image Processing Techniques “ *in International Journal for Research and Development in Engineering (IJRDE)* , Special Issue: pp- 452-455 , (ISSN: 2279-0500).
- Dr.G.SATHIYABAMA published a paper “Multi Scale Decomposition and Local Texture Analysis Based Multi Modality Medical Image Fusion” *in International Journal for Research and Development in Engineering (IJRDE)*, Special Issue: pp- 443-445, (ISSN: 2279-0500).
- Dr.G.SATHIYABAMA published a paper “Sonar Based Intelligent 2D Obstacle Avoidance for Mobile Robots “ *in International Journal for Research and Development in Engineering (IJRDE)*, Special Issue: pp- 439-442 , (ISSN: 2279-0500)

- Dr.G.SATHIYABAMA published a paper “*Fuzzy Control Based Obstacle Avoidance for Intelligence Vehicle*” in *International journal for Research and Development in Engineering (IJRDE)*, Special Issue pp- 435-438, (ISSN: 2279-0500).
- Dr.G.SATHIYABAMA, SWETHA, VIMALA published a paper on “Automatic face detection for time management by aurdino to detect proxy and absenteeism” at International Conference at Jawahar Engineering College
- SUDHA RAJAYOGAN published a paper “*Fuzzy Control Based Obstacle Avoidance for Intelligence Vehicle*” in *International journal for Research and Development in Engineering (IJRDE)*, Special Issue pp- 435-438, (ISSN: 2279-0500).
- SUDHA RAJAYOGAN published a paper “Invisible Image Watermarking System Using DWT Technique for Video Authentication” in *International journal for Research and Development in Engineering (IJRDE)*, Special Issue pp- 474-476 (ISSN: 2279-0500).
- P.SHUNMUGAKANI published a paper “Remote Control and Fault Detection of Ac Motor by Interfacing DAQ with LabVIEW “ in *International Journal for Research and Development in Engineering (IJRDE)* ,Special Issue: pp- 470-473 , (ISSN: 2279-0500).
- P.SHUNMUGAKANI published a paper “Advanced Speed Regulation in Automobiles Using GPS “in *International Journal for Research and Development in Engineering (IJRDE)* ,Special Issue: pp- 421-424 (ISSN: 2279-0500).
- V.JEYALAKSHMI DEVI published a paper “Automation and Accident Reporting Using ARM Processor in Bikes “ in *International Journal for Research and Development in Engineering (IJRDE)* ,Special Issue: pp- 425-429, (ISSN: 2279-0500).
- J.NITHYA published a paper “Smart Grids Distribution Feeder and Ring Bus Automation“ in *International Journal for Research and Development in Engineering (IJRDE)*, Special Issue: pp- 446-448 ,(ISSN: 2279-0500).
- P.A. GOWRI SANKAR published a paper “A Novel Carbon Nanotube Field Effect Transistor Based Arithmetic Computing Circuit for Low-power Analog Signal Processing Application” in *Procedia Technology*, Vol. 12, pp. 154 –162, 2014,(ISSN 2212-0173).
- P.A. GOWRI SANKAR published a paper “Design and Analysis of Two Stage Operational Amplifier Based on Emerging sub-32nm Technology” in *IEEE International Conference on Advanced Nanomaterials and Emerging Engineering Technologies (ICANMEET-2013)* pp. 587 – 591, 24-26, 2013. (ISBN: 978-1-4799-1377-0)