

JEPPIAAR ENGINEERING COLLEGE

**DEPARTMENT OF ELECTRONICS AND
INSTRUMENTATION ENGINEERING**

DEPARTMENT ACHIEVEMENTS

ACADEMIC YEAR (2012 -13)



Jeppiaar Engineering College Department of Electronics and Instrumentation

TECHNICAL SYMPOSIUM JET ELITEZ'13

JET ELITEZ'13 -A National level Tech Symposium was conducted on **Feb 12th 2013** by Department of Electronics and Instrumentation Engineering, Jeppiaar Engineering College. 834 Participants had registered online and out of which 470 had participated in various events. Dr .Jeppiaar Founder & Chairman Jeppiaar Engineering College , Dr Sushil Lal Das, Principal and Mr Sridhar, Deputy Director & Scientist, Central Electronics Engineering Research Institute (CEERI) presided over the function. A total of 10 events was conducted which includes, Paper Presentation, Quiz, Circuit Debugging, Innovation Instronics, Dumb C, Robotrax, MI6, Short film, Tackle and Backle, Gaming. *The high lights of the events were Paper presentation & Robotrax.* About 428 technical papers were received and 20 selected papers were presented. The aim of the symposium JET Elitez was to empower the minds of budding Instrumentation Engineers and to share knowledge, & innovative ideas of students. The symposium succeeded in achieving its aim and was a grand success.



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- **Inauguration of ISA – INTERNATIONAL SOCIETY OF AUTOMATION Jeppiaar Engineering College Student Section**
 - On **March 8th 2013** the inaugural ceremony of ISA student section of Jeppiaar Engineering College commenced with women's day greetings, saluting women all over the world. The event was graced by a group of esteemed dignitaries consisting of Col.Dr.Jeppiaar (Chairman), Dr. Susheela (President of ISA South India Section), Dr. Ranagnath Muthu (President-Elect of ISA South India Section) , Dr. Sushil Lal Das (Principal, Engineering and Technology), Dr. Thangavelu (Principal, Management and Science) and Mrs. Sudha Rajayogan (HOD, Department of Electronics and Instrumentation). The talk on "Do Engineering" was given by Mr. Visweswaran, Academic Technical Consultant at National Instruments India. The talk focused on improving the quality of

Engineering & Science Education. He also explained how students can make use of available resources like PC, and Laptops to make real-time measurements and analysis. 84 students of EIE department are members of ISA students chapter, South India Section.



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- **National Level workshop on “FUNDAMENTALS AND RESEARCH APPLICATIONS OF VIRTUAL INSTRUMENTATION USING LABVIEW” organized by ISA**

- The ISA student section of Jeppiaar Engineering College has been conducted a National Level workshop on “FUNDAMENTALS AND RESEARCH APPLICATIONS OF VIRTUAL INSTRUMENTATION USING LABVIEW” on **18.07.2013 and 19.07.2013**. The workshop aimed to educate the students on the fundamentals and application oriented knowledge on Lab VIEW. Students from various colleges all over Tamilnadu participated in the workshop.
- In this workshop, the guest lecture was given by *Mr. Varaprasad, CLAD certified LABVIEW trainer, our Alumni*. The workshop was conducted for two days. On the day 1, The sessions 1 and 2 dealt with the introduction and fundamentals theoretical knowledge on LabVIEW. The third session of the day was a practical session where the participants were given simple examples as to how to use the software to perform basic operations. On day 2, there were two sessions. In both the sessions Mr. Varaprasad elaborated on how to use LabVIEW as a platform to implement innovative projects. He demonstrated a few simple projects that could be easily implemented by the students using the LabVIEW software. At the end of the session, the participants were given the participation certificate. Later there was a feedback session, where the participants gave their valuable suggestion and encouraging feedbacks.



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- **JUMP** event was organized by ISA for the students of Department of Electronics and Instrumentation Engineering, where students from II and III year participated in the paper presentation. Around 32 Technical papers were presented by the department students.
- **BEST MANAGER** organized by ISA for the students of Department of Electronics and Instrumentation Engineering, where students from III year participated in the competition, where the students were tested on their communication skills, situation handling skills and leadership skills. 40 students participated in the event.

Faculty Development Programme on “ **Advanced Industrial Automation & Machine Vision using Labview**” -26th & 27th Sep 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*.

JEPPIAAR ENGINEERING COLLEGE
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STUDENTS ACHIEVEMENTS
ACADEMIC YEAR (2012-13)

STUDENTS ACHIEVEMENTS

- One of our student **Saran Roy's** paper “**Augmented WAstage Remover**” [AWARE] was selected in **IEEE Global Humanitarian Technical Conference (GHTC 2013)** in **San Jose, California USA.**
- One of our student **Arun Noel Victor's** paper “GreenEduComp: Low Cost Green Computing System for Education in Rural India A Scheme for Sustaniable Development through Education” was selected in **IEEE Global Humanitarian Technical Conference (GHTC 2013)** in **San Jose, California USA.**
- One of our Student **Nithin Tom** has been selected as **Campus Entrepreneur** for **Wipro** during their Pre Final Year.
- **6** Students **B Prakash ,GLingaraj, B Saravanan , MAbhishek,M Shiva Prakash, S Naveen Bhaskar** has passed in **B certification** as NCC Cadet
- **4** Student **U Prabhakaran ,S Rajesh,D. Pavithran, DJibuDaniel** has passed **C certification** as NCC Cadet
- One of our student **Jibu Daniel** of 2011- 15 batch has been Selected as **Sub Inspector** for **Border Security Force (BSF)**
- One of our student **Priyankari** (2009-13) Batch has secured rank in GATE EXAM got admission in IIT Delhi.
- Our student **P.G.Krishna** (2010-14) is one of the prime member of the Social Network “**NAL VIDHAIGAL PUBLIC CHARITABLE TRUST**”, wherein many students from our college have participated in the various technical events conducted by them and won awards.

ACHIEVEMENTS IN ACADEMICS:

S.NO	STUDENT NAME	YEAR	COCURRICULAR ACTIVITIES/SYMPOSIUM
1	VIMALA.A	II-A	SOUND PROCESSING WIRELESS TECHNOLOGY FOR THE DIFFERENTLY – ABLED PERSONS IN NAL VIDHAIGAL PUBLIC CHARITABLE TRUST AND WON DISTINCTION AWARD
2	SWETHA S		
3	JAYASHREE.L	II-A	PROSTHETIC ARM NAL VIDHAIGAL PUBLIC CHARITABLE TRUST AND WON HONOROUS AWARD
4	JAYA BHARATHI.M		
5	SARANYA.U		
6	TOMIN JOSEPH	II-A	SUCCESSFULLY COMPLETED THE REQUIREMENTS TO BE RECOGNIZED AS A MICROSOFT SPECIALIST PROGRAMMING IN HTML5 WITH JAVA SCRIPT AND CSS3 (MS)
7	SATHIYA NARAYANAN.B	II-B	PARTICIPATED IN TWO DAY TRAINING CUM SEMINAR WORKSHOP IN ASSOCIATION WITH TRUST NODAL CENTRE OF ENTREPRENEURSHIP
8	JAMUNA.R	III-A	PARTICIPATED IN PAPER PRESENTATION IN GOJAN SCHOOL OF BUSINESS AND TECHNOLOGY
9	TOMIN JOSEPH	III-A	SUCCESSFULLY COMPLETED THE REQUIREMENTS TO BE RECOGNIZED AS A MICROSOFT SPECIALIST FOR OFFICE EXCEL
10	VIMALA.A	III A	WON 1 ST PRIZE IN TECHNICAL QUIZ IN VELAMMAL ENGG COLLEGE
11	VIMALA.A	III A	PARTICIPATED IN ONE DAY WORKSHOP IN DEPT OF BIOMEDICAL ENGG IN SSN COLLEGE
12	SWETHA S		

S.NO	STUDENT NAME	YEAR	COCURRICULAR ACTIVITIES
1	M.SIVAPRAKASH	III –A	SUCESFULLY COMPLETED THE SPELL BOUND CHENNAI MARATHON (12 KM)
2	SARAVANAN		
3	D.PAVATHARAN		
4	RAJESH. B	III – B	
5	PRAKASH.B		
6	G.LINGARAJ		

SPORTS:

S.No	DATE OF EVENT	CATEGORY	TOURNAMENT	STUDENTS NAME	POSITION
1	28.08.2012	FOOT BALL	CMC, CHENGALPET	JOHN AJIT, ALEXANDER AJAN, RENGASAMY,	WINNERS

				RAJA RAGHAVAN, JENO STEPHEN	
2	24.10.2012	FOOT BALL	ANNA UNIVERSITY ZONALS, CHENNAI	JOHN AJIT, ALEXANDER AJAN, RENGASAMY, RAJA RAGHAVAN, JENO STEPHEN	WINNERS
3	28.10.2012	FOOT BALL	ANNA UNIVERSITY, INTER ZONALS, TRICHY	JOHN AJIT, ALEXANDER AJAN, RENGASAMY, RAJA RAGHAVAN, JENO STEPHEN	WINNERS
4	01.02.2013	FOOT BALL	SAVEETHA TROPHY	JOHN AJIT, ALEXANDER AJAN, RENGASAMY, RAJA RAGHAVAN, JENO STEPHEN	WINNERS
5	02.03.2013	FOOT BALL	MIT 5'S TROPHY	JOHN AJIT, ALEXANDER AJAN, RENGASAMY, RAJA RAGHAVAN, JENO STEPHEN	WINNERS
6	30.03.2013	FOOT BALL	ANNA UNIVERSITY SPORTS FEST	JOHN AJIT, ALEXANDER AJAN, RENGASAMY, RAJA RAGHAVAN, JENO STEPHEN,	WINNERS
7	28.08.2012	BASKET BALL	CMC, CHENGALPET	ATHIRA RAVI, LIDYA VARGHESE, TERESA THOMAS	WINNERS
8	24.10.2012	BASKET BALL	ANNA UNIVERSITY ZONALS, CHENNAI	ATHIRA RAVI, LIDYA VARGHESE, TERESA THOMAS	WINNERS
9	05.11.2012	BASKET BALL	ANNA UNIVERSITY, INTER ZONALS, DHARMAPURI	ATHIRA RAVI, LIDYA VARGHESE, TERESA THOMAS	WINNERS
10.	30.03.2013	BASKET BALL	ANNA UNIVERSITY SPORTS FEST	ATHIRA RAVI, LIDYA VARGHESE, TERESA THOMAS	RUNNERS
11	01.02.2013	BASKET BALL	SA TROPHY, AVADI	ATHIRA RAVI, LIDYA VARGHESE, TERESA THOMAS	RUNNERS
12	14.02.2013	BASKET BALL	TIES 2013, HOSUR	ATHIRA RAVI, LIDYA VARGHESE, TERESA THOMAS	WINNERS

STUDENTS INDIVIDUAL ACHIEVEMENTS IN SPORTS:

- Out of 564 Engineering colleges under Anna University in a team of 15 members, 3 students (**JOHN AJIT, ALEXANDER AJAN, JENO STEPHEN**) from our department were selected to represent Anna University Foot Ball team.

- **JOHN AJIT, ALEXANDER AJAN, JENO STEPHEN** played as a guest for the **INCOM TAX Department, TAMIL NADU** at Nehru Stadium for the City Club League

NATIONAL CADET CORPS (NCC)

- **ACHIEVEMENTS:**

- Our students won the overall **DRILL TEST** 3rd place.
- Cadet **POC U.PRABHAKARAN** won Power of commanding competition.
- Cadet **POC S.RAJESH** won **BEST CADET AWARD**.
- Our students 2nd place in **SEAMENSHIP** event.

- **SPORT EVENTS:**

- Students attended the sports activities such as Basket ball, Volley ball, Throw ball, Tug of war. We have won Basket ball runner up. We also won cross country (3.5km) 1st place. **S.RAJESH** *won the 1st price in cross country individually.*

- **CULTURAL EVENTS:**

- Our college NCC cadets involved in cultural activities. Students won overall cultural 3rd place. Our dance performance was directly selected by our Commanding officer.

- **CERTIFICATE EXAMINATIONS:**

- **B CERTIFICATE:**

- The first year NCC cadets wrote their B certificate exam on 23RD & 24TH FEBRUARY, 2013 at Anna University.
- On 23RD, we attended our practical exams. It contains drill test, gunnery, seamanship, ship modeling, semaphore.

- **C CERTIFICATE:**

- The second year NCC cadets wrote their C certificate exam on 6TH & 7TH APRIL, 2013 at Patchayappa college of arts and science.
- On 6TH, we attended our practical exams. It contains drill test, gunnery, seamanship, ship modeling, semaphore.

- **BLOOD DONATION CAMP-8TH MARCH, 2013**

- We organized a Blood donation camp at our college. Our excellent volunteer work at this camp is appreciated by the principals and head of the department. The Camp was conducted by Dr.MGR Medical University and organized by our NCC cadets & YRC. On this camp totally 225 unit blood donated by our college students and staffs.

- **PARTICIPATION IN CHENNAI MARATHON-14TH JULY,2013**

- The marathon event organized by the **spellbound** and **Tamil Nadu Marathon Association** on 14th July. About 3000 peoples were participated and want to express the own ideas. We, the NCC cadets also participated and express our thoughts of joining the NCC. *14 NCC cadets from our college attended the event. Among them 6 cadets belong to EIE department.*

- **MEGA BLOOD DONATION CAMP-26TH JULY,2013**

- Students also organized the blood donation camp on the eve of the Kargil Day Celebration. The camp was conducted in our college by the **INDIAN RED CROSS SOCIETY**. The camp was inaugurated by our principals of Jeppiaar Engineering College. Many students and teaching and non-teaching had voluntarily donated **250 UNITS** of blood.
- Volunteer works of the NCC cadets were greatly appreciated by the principals of Jeppiaar Engineering College.

- **COASTAL CLEANUP CAMP – 15TH SEPTEMBER,2012**

- The coastal cleanup camp is organized by the Indian Maritime Association. We, the NCC cadets also did the remarkable social service. Our college NCC cadets started the coastal cleanup from the coastal area near *Muttukadu* and covered nearly *7km* and collected the wastes in the coastal areas. All the college cadets are assembled in the *Indian Maritime University* and attended the Tea Party given by our new Commanding Officer *Raghu Parthasarathy*.

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STAFF ACHIEVEMENTS

ACADEMIC YEAR (2012-13)

CONFERENCE AND SEMINARS

- G.KALPANA presented a paper titled " Collision free navigation of Mobile Robot using Artificial Intelligence" in the National Conference on NCCED'13 on 5th April at ARM College of Engineering and Technology
- G.KALPANA presented a paper titled "Characterization of Under Water Ambient Noise and Study of De-Noising Techniques for Oceano Graphic Applications" in the National Conference on Emerging trends in VLSI Embedded and Nano Technologies on 27th and 28th June at Sathyabama University

STAFF TRAINING

- A total of 12 out of 23 staff members have participated in the seminars and workshops conducted in various engineering colleges during 2012-2013 odd semester
- A total of 14 out of 23 staff members have participated in the seminars and workshops conducted in various engineering colleges during 2012-2013 even semester

