

Students' Corner

- M.Deepak Narayanan and Varun S, 7th sem, participated in 18th annual International Rodosub competition 20-26 July, 2015 held at San Diego, California.



- Nikhila.R and Lekhashree.K, 7th sem, participated in Amcat employability leadership programme on 10 September 2015.
- Nikhila.R and Lekhashree.K had been to Nagercoil to attend a conference on Photovoltaic Designing and Installation which was held on 24 September 2015.
- Nikhila presented a paper on "Agastya Amrita" at Ninth All India Student's Conference on Science and Spiritual Quest held in IIT, Kharagpur on 30 October 2015.



- Students of seventh semester attended "Bengaluru Mini Maker Fair" organised on 15 October 2015 at Hotel Taj Vivanta, Bengaluru.
- Seventh semester students attended workshop on "Raspberry pie & home automation using WEBiopi" organised by electronics for you on 8 October 2015, Bengaluru.

Placement Activities

- Final year students Arpita V Murthy, Keerthi K, Pranav S, Roopak Gowda K, Sahana S placed in Tech Mahindra.
- Priyanka Rao and Seema Rao B R placed in IBM. Shubhankar B J placed in Mindtree.
- Anuradha S and Chaithra BN placed in Microland.

Students placed in Alpha9 Pvt Ltd.

1. M Adarsha Bairy
2. Anil C
3. Koushik M
4. Murali G
5. Rajesh M
6. Rohith. S. B

Industry Institute Interaction

To encourage industry exposure, students are provided with internship opportunities in industries.

- Fifth semester students selected and trained as interns at Protocol Automation Pvt. Ltd
 - 1) Anil S Nayak
 - 2) Bharath Ravi Prakash
 - 3) Mane Pratibha D
- Students from fifth semester Aishwarya V, Indira T, Yashas K.R trained as interns at Technologics Pvt. Ltd, Bengaluru.
- Chaitra B N, Murali G, Sameera S from seventh semester trained in BSNL Telecom exchange, Jayanagar, Bengaluru.
- Students from seventh semester trained in Bharat Sanchar Nigam Limited, Mysore.
 - 1) Akshay M S
 - 2) Anil C
 - 3) Anuradha. S
 - 4) Arpita V Murthy
 - 5) Rohith. S. B
 - 6) Sridevi S
 - 7) Shubhankar B J

Jyothy Institute of Technology

Department of Electronics and Communication Engineering

TECH HERALD

NEWSLETTER

Vol - 3 Odd Semester Aug-Dec 2015-16

EDITORIAL

Welcome to the "Tech Herald" newsletter! Our prime aim of half yearly newsletter publication is to bring report of all activities happening at Department of Electronics and Communication Engineering, JIIT for the benefit of our students and alumni. In this issue we have captured the thoughts of first half of the academic year 2015-16. The readers will appreciate the assortment of topics from students participation in various events and students placements in different firms. Also covers students participation in sports, institute industry interactions and research spotlight. The students corner highlights the achievements of our students. Hope you enjoy the fare.

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Asst. Professor
Mr. Madhukar M
Asst. Professor

FROM THE HOD'S DESK



The new academic year started in August with enthusiasm. New batch of students have joined and many have completed their graduation and left for employment or higher education. I heart fully congratulate our alumni and wish them bright future and enthusiastically welcome our new batch students. Our institute offers excellent opportunities for academic pursuits, extracurricular activities and placement.

Get the best out of this place. You our ambassadors to the world outside. August to December has been a busy time and number of events have already taken place. Let's get going and have a productive year ahead.



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EVENTS

Inauguration of IETE Students' Forum (ISF)

October 20: IETE Students' Forum was inaugurated on 20th October 2015. Prof. N Kumar, Principal/Dean, SVCET, Chennai, was the chief guest. With the presence of Dr. Mahendra K.V, Principal, Jyothy Institute of Technology, Mr. Shankar Narayanan Gudalur, CEO, Jyothy group of institutions and Mr. B M Chandrashekar, Head, Department of Electronics and Communication Engineering, Jyothy Institute of Technology, IETE Students forum was inaugurated.



The chief guest addressed the gathering about inevitability and benefits of students forum. Dr. Mahendra K V congratulated the students for being part of IETE students forum. Mr. Shankar Narayanan Gudalur motivated students to make best use of opportunities provided in the college.



Workshop on "Embedded Applications Based on Arduino"

October 20 & 21: Two days workshop on "Embedded Applications Based on Arduino" to the students was organized on 20th and 21st October 2015 by the department of electronics and communication engineering.

Mr. Vinayakaswamy K M, Research Scholar from Sir. MVIT and Mr. Ravi Prakash G, Assistant Professor at Jyothy Institute of technology were trainers. Students were provided with individual arduino kits containing arduino microcontroller board, sensors, breadboard, LEDs and connecting wires.



Mr. Vinayakaswamy initially trained the students on embedded C programming, hardware architecture and interfacing procedures. Mr. Ravi Prakash G conducted open challenge contest to the students and students responded well by building some projects in a stipulated time. At-last students demonstrated application projects on home automation, wireless robot, security systems, irrigation systems, magnetic door and college siren.



Workshop on Advanced Robotics

August 14-16: Three days workshop on Advanced Robotics was organized on 14th- 16th August 2015 by department of electronics & communication engineering in collaboration with department of mechanical engineering.



Mr. Prasad J. Shetty & team from ICUBZ were invited to train the students at Jyothy Institute of technology. Students were provided with a kit containing 8051 microcontroller unit, Atmel AVR Studio 5 (IDE), sensors and robot kit.



Students were trained on embedded programming skills, applications of microcontroller, implementation of advanced robots in real world.



Research Spotlight

Mr Chandrashekar B M, Head of ECE published a paper entitled "Service Restoration in IEEE 30 bus system by Utilizing Evolutionary Programming and Trapezoidal Function to tackle Unsupplied Customers" in International Journal for Recent Trends In Engineering & Technology, 2015.

Mr. Ajjaiah H.B.M, Assistant Professor, published papers entitled:

[1] "Variable Step-size Least Mean Squares Adaptive Filters" in International Journal of Advanced Research, 2015.

[2] "Review Paper on Different Technology in Echo Cancellation" in International Journal of Advanced Research, 2015.

Mr. Nagesh Kumar D.N Assistant Professor, published IEEE conference paper in 2015 entitled "ARM Based Remote Monitoring and Control System for Environmental Parameters in Greenhouse".

Mr. Madhukar M Assistant Professor, Shubhankar B J, Akshay M S published papers entitled:

[1] "Wireless ARM based Automated System for Geriatrics" in International Journal of Recent and Innovation Trends in Computing and Communication, 2015.

[2] "Android Controlled Home Automation" in International Journal for Recent Trends In Engineering & Technology, 2015.

Students' Mini Projects

Under the guidance of Mr. Ravi Prakash G & Mr. Madhukar M, students have worked on mini projects titled:

1. Remote Controlled AC appliances.
2. Obstacle Avoider Robot Using Ultrasonic Sensor.
3. Voice Recognition Based Home Automation
4. Automatic Irrigation System Using Moisture Sensor.
5. Android Based Home Automation.