

# ELECTRONICATION

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

[www.nsr.it.edu.in](http://www.nsr.it.edu.in)

**Sri N. Satyanarayana Raju**  
**Chairman**



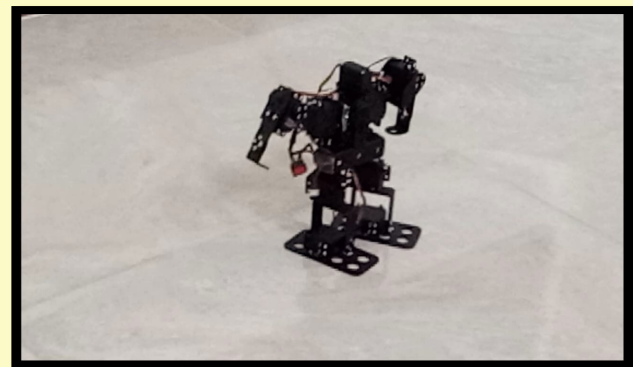
**Dr. N. Prasada Raju**  
**Secretary**

**I am delighted that you all have considered  
coming to NS RAJU Institute of technology**

## TECHNOZION-2K18

The students of II year ECE (7 members) attended three days workshop on humanoid robotics “TECHNOZION – 2K18” conducted at NIT Warangal.

In this workshop students are enlightened with a detailed emphasis on Kinematics, Simulation, Design and development of Humanoid Robot and the working of Servo motor for the movement of robots.



### **Vision**

To become recognized forerunner in Electronics and Communication Engineering by producing competent and responsible graduates.

### **Mission**

- To prepare technically competent graduates by establishing a conducive learner centric academic environment that uses innovative teaching learning processes
- To create research interests in the graduates by bringing in real time engineering challenges through industry collaborations
- To make the graduates socially responsible citizens who provide sustainable solutions maintaining ethical and professional standards

## Workshop on iBoot IoT

Students of II-I, III-I ,ECE(8 members) attended 3days workshop on iBoot IoT series organised by Andhra Pradesh Innovation society in association with iB HUBS at Vignan Institute of Engineering for women during 16<sup>th</sup> August,2018 to 18<sup>th</sup> August 2018.

Students were enlightened on IoT applications and the different hardware and software platforms such as Arduino, Raspberry Pi, ESP. The usage of different types of sensors for IoT applications as well as wireless communication technologies. Concepts about cloud computing is also included in the session.



## Workshop on Basics of PLC

- Students of IV ECE attended 5 days workshop on basics of PLC conducted by APSSDC Siemens from 20<sup>th</sup> August 2018 to 27<sup>th</sup> August 2018 at Andhra University, Visakhapatnam.
- Mr. B.Shiva Kumar enlightened the students on various topics such as history of PLC,advantages, modules used in automation systems, programming languages, timer and comparator operations, linear programming, Structured programming.



## Jnanabheri Knowledge Summit

- Final year ECE students attended Jnanabheri programme(Knowledge Summit) at Andhra University on 23<sup>rd</sup> August,2018.



## Interaction with GATE Academy

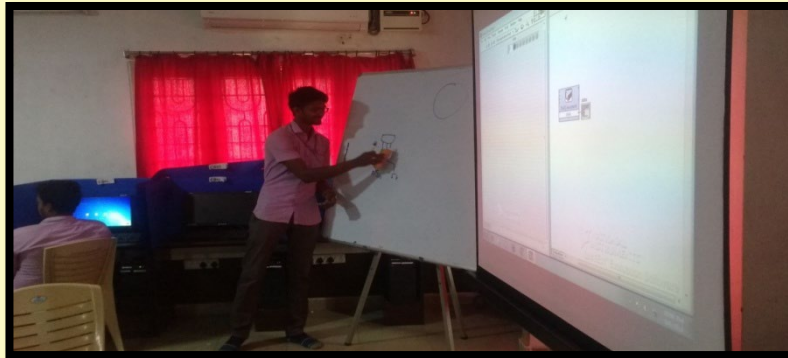
ECE 3<sup>rd</sup> year student's interaction section of GATE academy on 28/08/2019.



*“The years teach much the days never know.” – Emerson*

## 3 Day Workshop on LABVIEW

ECE Department organised a 3 day hands on workshop on National Instruments LABVIEW with data acquisition supported by APITA during 4<sup>th</sup> September, 2018 to 6<sup>th</sup> September 2018.



## Workshop on Embedded IoT

- A 6 Days workshop on EMBEDDED INTERNET OF THINGS organized by ECE department in association with APSSDC for III ECE, IV ECE students and faculty during 07<sup>th</sup> September 2018 to 15<sup>th</sup> September 2018.



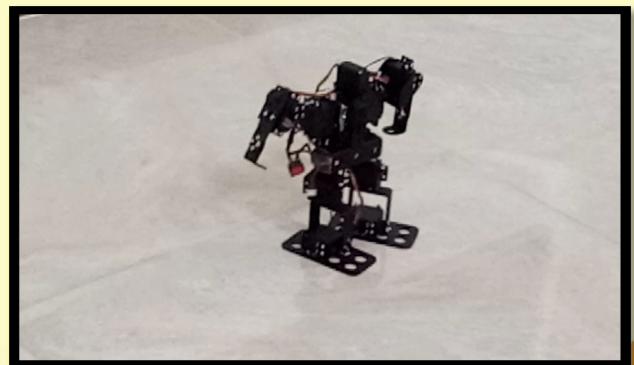
## Engineer's Day Celebrations

- Department organized various events such as Paper Presentation on emerging technologies and innovative ideas for I,II ECE Students on the eve of ENGINEER'S DAY celebrations to enrich the innovative ideas and competitive spirit.



## TECHNOZION-2K18

The students of II year ECE (7 members) attended three days workshop on humanoid robotics "TECHNOZION – 2K18" conducted at NIT Warangal.



*"The time is always right to do what is right." – Martin Luther King, Jr.*

## Workshop on Signal Processing

Mrs.U.Sadhana,Mrs.B.N.S.Rani attended workshop on signal processing and wireless communications from 05-11-2018 to 10-11-2018 at Lendi Institute of Engg & Tech.

Mr.N.Sai Varma, Mr.P.Sahitya Kiran, Mrs.K.V.E.Sarojini, Mrs.U.Sadhana and students of III ECE attended Cloud4 all conference organized by APSSDC at Vijaywada on 14<sup>th</sup> November,2018



## Workshop on Programming using IoT

Students of III ECE attended workshop on “An Introduction to Programming the IoT (Certification Course)” organised by ECE Department supported by APSSDC during 12<sup>th</sup> November,2018 to 05<sup>th</sup> December,2018.

Resource persons Mr.D.Kalyan Kumar,Mr. Santosh take over the session to enrich the knowledge of students for exposure to various sub-fields and technology stacks of IoT, working knowledge of the Arduino, Raspberry Pi Platforms, Interfacing with Arduino boards and Raspberry Pi using Python programming which are providing more opportunities in Embedded industries.

In this workshop students are enlightened with a detailed emphasis on Kinematics , Simulation , Design and development of Humanoid Robot and the working of Servo motor for the movement of robots.



*“The time is always right to do what is right.” – Martin Luther King, Jr.*

## Donations for Kerala Flood Victims

NSRIT hands donated Rs 20600 for Kerala flood victims, through Eenadu.  
N.Saivarma(ECE HOD, Correspondent) giving to them on 01/09/2018.



## Faculty Achievements

1. K. Ravi Kumar and P.Rajesh Kumar, "Performance Evaluation of Multi-Objective Grasshopper Optimization Algorithm to Reduce the Grating Lobes and Sidelobes", Journal Of Advance Research In Dynamic And Control Systems JARDCS (SCOPUS), Vol 10, Issue 6, pp 634-636, May, 2018
2. A.Sampath Dakshina Murthy, Rudra Pratap Das, S.Koteswara Rao "A Versatile and Cost Effective Multimodal Wheelchair", International Journal Of Engineering and Technology IJET, pp124-126, 2018
3. A.Sampath Dkshina Murthy, P.V.J.Rajkumar, Rudra Pratap Das, S.Koteswara Rao "Fuzzy Logic Based Technique for Propeller Noise in Mechanical Structures", International Journal Of Engineering and Technology IJET, pp 394-395, 2018
4. V.Narasimha Nayak, M.Ravi Kumar, K.Anusha and Ch.Kranthi Kran, "FPGA Based Asymmetric Crypto System Design", International Journal Of Engineering and Technology IJET, pp612-627, 2018
5. B.Chinna Rao and M.Madhavi Latha, "An Image Denoising Framework Using DTCWT and Fuzzy based Decision Algorithm for Shrinking", Journal Of Advance Research In Dynamic and Control Systems JARDCS (SCOPUS), Vol 10, Issue 8, pp1645-1647, April, 2018
6. Syambabu Vadlamudi and B.Chinna Rao, "Avoiding Vehicle Accidents Using MEMS Accelerometer", International Journal Of Pure and Applied Mathematics IJPAM (Scopus Indexed) Vol.120, Issue 6, Pp9817-9825, July, 2018
7. M.V.S.RojaRamani, K.Padmateja, B.Prasanth, A.Nageswara Rao and S.Tanuja, "Design And Implementation of IoT Based Smart Laboratory", International Journal For Science and Advance Research In Technology IJSART, Vol 5, Issue 3, Pp 1364-1366, March, 2018