



# SOS IN ELECTRONICS & PHOTONICS

## PT. RAVISHANKAR SHUKLA UNIVERSITY

### RAIPUR(C.G.)



NO: /SOS ELEX &PHO.17-18

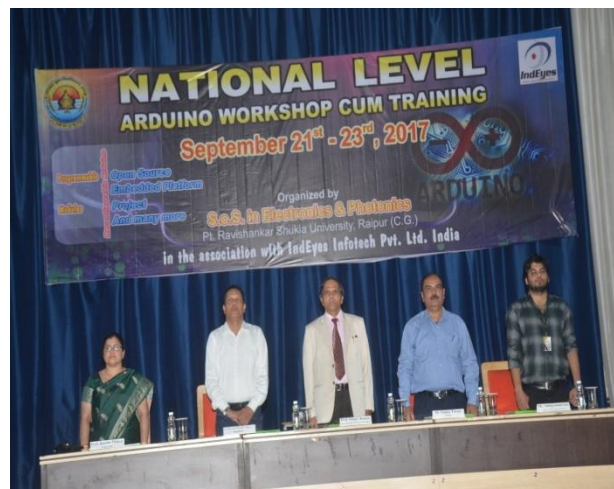
Raipur, Date:-25-09-2017

## NATIONAL LEVEL ARDUINO WORKSHOP CUM TRAINING

A three days “National level ARDUINO workshop cum training” was organized from 21<sup>st</sup> to 23<sup>rd</sup> September, 2017 in the joint venture of School of Studies in Electronics and Photonics of Pt. Ravishankar Shukla University, Raipur and Indeyes Infotech PVT. LTD. New Delhi.

The inaugural session started with the welcome address by IAS Dharmesh Kumar Sahu (Registrar, PRSU) followed by Dr. Kavita Thakur (HOD, School of studies in Electronics and Photonics, PRSU) and coordinator of the workshop with her introductory speech on importance of workshops.

On this occasion chief guest , an outstanding researcher, a very good orator, excellent writer, motivator and a learned professor, Dr. Sanjay Kumar,Vice Chancellor, ITM University, Raipur, delivered his valuable speech to students of different institutions of Chhattisgarh and Odisha , he talked about vision 2020 and 2035 of empowering India capable to rule the world with its 65% of youth population followed by the special address by Dr. Sanjay Tiwari about vision 2020 of India later he talked about India’s ranking on “Economic Intelligence Report”. The ceremony was concluded with the speech of Mr. Abhigyanam Giri (Director, Indeyes Infotech PVT. LTD on the importance and future purpose of Arduino System.





Following the first day, second day of workshop started with registration of students for technical understanding of **arduino** system.

At the beginning of session of day two of workshop , trainer introduces the ‘control of ac appliances ‘with the help of arduino system. He delivered lecture with live demo on **relay** and basic concept of **switch** as potential controller of the systems, later the students implemented various **arduino** based programs on **switch** and **relay**.

After having lunch, trainer comes with his lecture with live demo on **IR, PIR, MOISTURE SENSORS, LCD, HOME SECURITY SYSTEM** and their coding ,implemented using arduino system.





On third day of workshop started with hardware implementation and simulation of devices based on **arduino** system which consists of the program like glowing of LED seven segment display as well as rotation of DC motor in clockwise and anticlockwise direction.

Later the student performed various hardware implementation on robotics in which they learn controlling of robots. Later hardware implementation process if followed by design of control system based on arduino programming.

At the ending ceremony of workshop **Dr. KAVITA THAKUR** ,Head, SoS in **ELECTRONICS and PHOTONICS Dept.** distributed participation certificate to students from various institute and wishes for their bright future.

News Paper Clippings

