Workshop on Embedded System using Arduino

-   ALABHAYAM - The Technical Society   -

Technology is changing at a very rapid pace in this era of modernization. To keep up with the pace of technology, Alabhayam – Technical Society, NIFTEM, organized a two day workshop on 1st and 2nd September, 2018 on Arduino based electronic sensors. The workshop was conducted by Mr Prateek Gupta, CEO founder Innovians Technologies who ensured that all participants got hands on training.

Hon'ble Vice Chancellor addressing the participants of the Arduino workshop

The workshop was inaugurated by Dr T N Giri, Registrar, NIFTEM and Prof Ashutosh Upadhyay, Dean Academics, NIFTEM as the Chief guests. Under the guidance of Mr Prateek, the students were introduced to embedded systems, AVR micro-controller programming and the basics, architecture and jargon of Arduino. A total of six projects were taught to the students based on LEDs, RGB interfacing and traffic light control, IR sensors, automated door opening systems and fire alarms based on IR sensors. The day concluded with assignment projects to be submitted the following day.
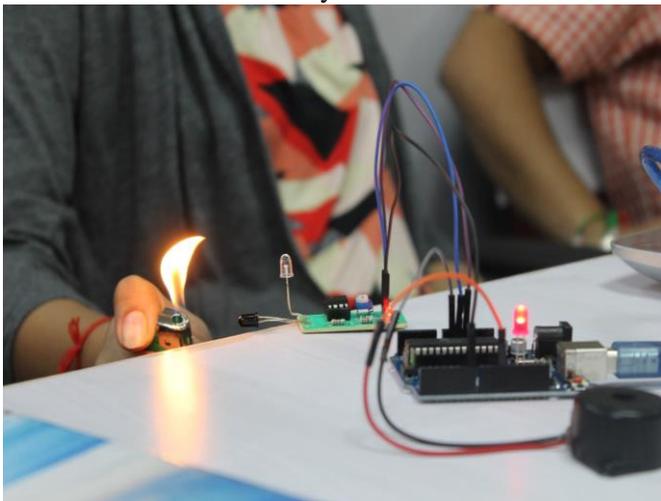
The second day commenced with an interactive session based on the previous day's assignments. This was followed by the students learning about and working on projects based on LCD interfacing, ultrasonic distance sensor, interfacing photo resistor, smart street light, heart rate pulse

sensor, laser beam break sensor and wireless trans receiver. The final session of learning was followed by a valedictory session where we were humbled by the presence of Dr Chandi Vasudevappa, Honourable Vice Chancellor, NIFTEM as the chief guest, Mr Kawal Singh Chauhan, MD Shellmount, Sonipat, Dr P K Nema, HOD Food Engineering dept., NIFTEM and

Student demonstrating the project on alcohol Sensor to Hon'ble Vice Chancellor and other dignitaries during valedictory session

Dr Vijendra Mishra as the guests of honour. The dignitaries engaged in a brief session of group project demonstration followed by distribution of certificates of participation by the esteemed guests. It was

announced that certificates of excellence would be awarded to the team that comes up with the best project fabricated by 15th September, 2108. Dr. Vinkel Kumar Arora proposed the vote of thanks to the dignitaries and technical society member and students for their valuable time.

Fire Alarm Project during the workshop

As a fruitful outcome of the workshop, 'Breath Analyser', a project by one of the teams was approved and would soon be installed at the main gates of NIFTEM. Also selected students would be representing NFTEM at Smart India Hackathon, 19. Finally, as a consequence, an innovation lab would be set up to promote and encourage young minds and new ideas

Milihi Pincha   (B-Tech 2nd Year)
Nagendra Kumar Khatri   (B-Tech 2nd Year)