K S School of Engineering and Management

Department of Electronics and Communication Engineering

Bridge Course:

Title of the Course: "Innovating with IOT"

The main objective of the course is to bridge the gap between subjects studied at graduate level and industry demand. The course is framed in such a way that they get basic knowledge on the IOT, which is required for Electronics and communication engineering industry.

About Bridge Course: The Bridge Course is aimed to act as a buffer for the students, with an objective to provide an adequate hands-on experience on IOT. During this interaction of bridge course with the faculty and their classmates, the students will be equipped with the knowledge and the confidence needed to take on bigger challenges as future engineers.

Active learning with the help of other students. Aiming at making the engineering smoother for the students, Department of Electronics and communication Engineering had organized bridge-course for the students of academic year 2017-18. Hence bridge course proves to be the best opportunity for the students to adapt themselves to new academic environment.

The Bridge course program successfully organized and completed under the guidance of Principal, Dr. Rama Narasimha and course Coordinator- Dr. Karthik P. The bridge course initiated with registration followed by orientation program.

HOD – ECE
Professor & Head
rt. of Electronics & Communication Engin
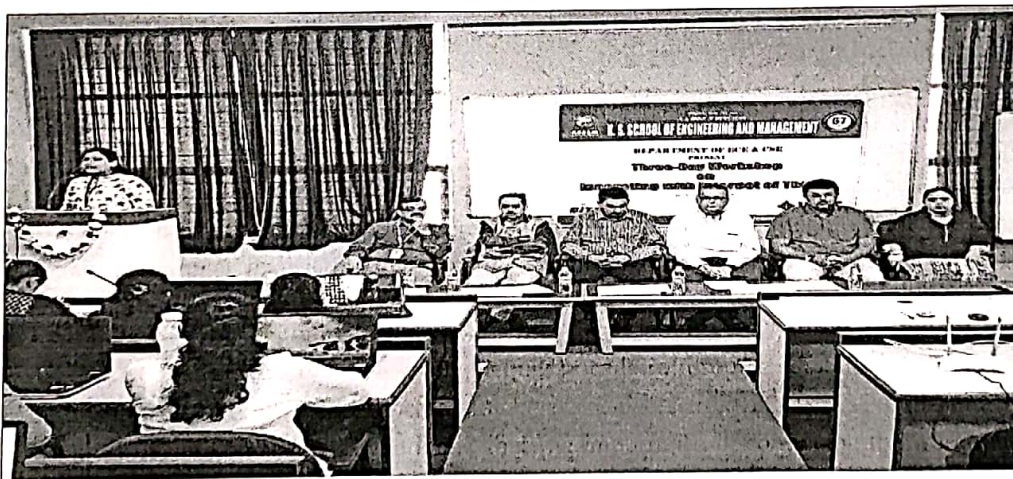K. S. School of Engineering & Managem
Bangalore-560 109

K S School of Engineering & Management

Department of Electronics & Communication

Three Days Hands-on work shop on "Innovating with IoT" has been conducted in the Department of ECE from 26th August to 28 August 2019. This workshop was sponsored by BITEs. On 26th August 2019 the IoT workshop inaugurated by Chief Guest Mr. Kiran Kumar , Trainer & consultant, Bumblebee IT Academy, Mr. Sunil Kumar P Datta, Mrs. Sridevi.K.L from Bumblebee IT Academy, Dr. K V A Balagi. CEO, KSGI, Dr. K Rama Narasimha, Principal, Kssem and Dr. Girish. V Attimard, HOD, Dept. of ECE, KSSEM. The program began with the invocation song followed by a Lightening the Lamp. Dr. Girish Attimard welcomed the gathering & told about the importance of the IoT Hands on & its practical application in the current scenario. Dr. Balagi & Principal addressed the audiences. Mrs. Kripa from ECE dept. introduced the Chief Gust.
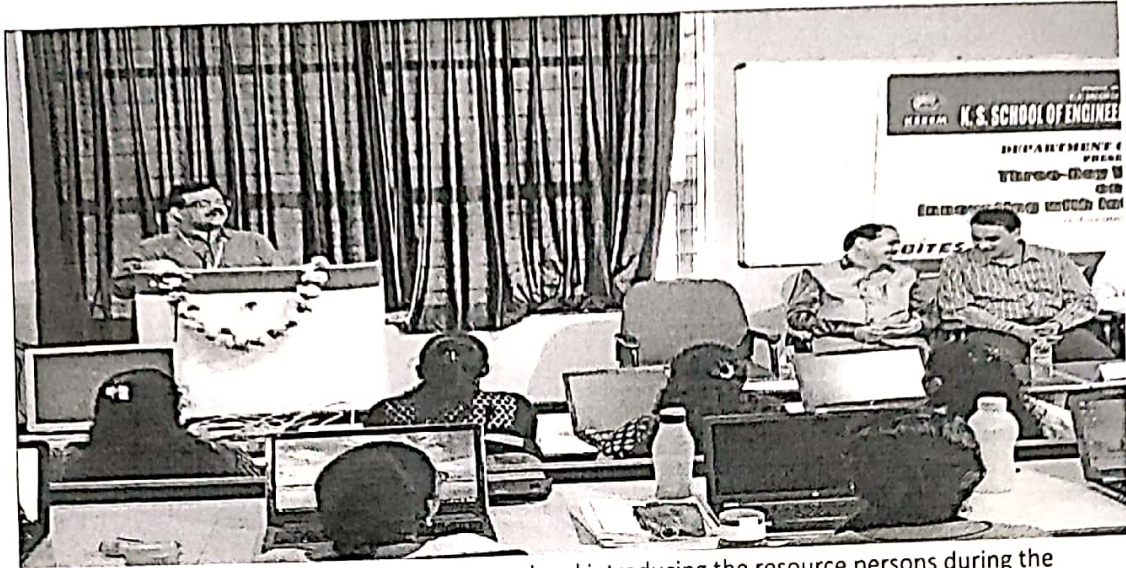
On the first day the workshop they introduced the IoT, Industrial IoT & Building an IoT Solution & get familiarize the working of sensors, actuators & writing the software code. Second Day they covered Advanced topics of IoT such as IoT & BigData, IoT & Robotics etc.. and IoT communication Protocols. Final day Participants worked in small groups of three and integrated the sensors, actuators with micro-controller finally they demonstrated mini project using Do-it-Yourself hardware devices & open source software.

On the valedictory function Bumblebee IT Academy resource persons & Dr. Karthik Professor , Dept of ECE, distributed the certificates to the participants from ECE & CSE Departments. On this occasion Mr. Sunil Kumar Datta mentioned that the importance of continuing the work that has been learnt in the three days. The Workshop was concluded by taking the feedback from students & thanking the BITEs and the KSSEM.

Invocation Song during the inauguration function of IoT workshop given by the 5th Semester student Ms. Likithashree R J.

Professor & Head
Dept. of Electronics & Communication Engineering
K. S. School of Engineering & Management
Bangalore-560 109

Welcome address given by Dr. Girish V Attimarad and introducing the resource persons during the inauguration function.
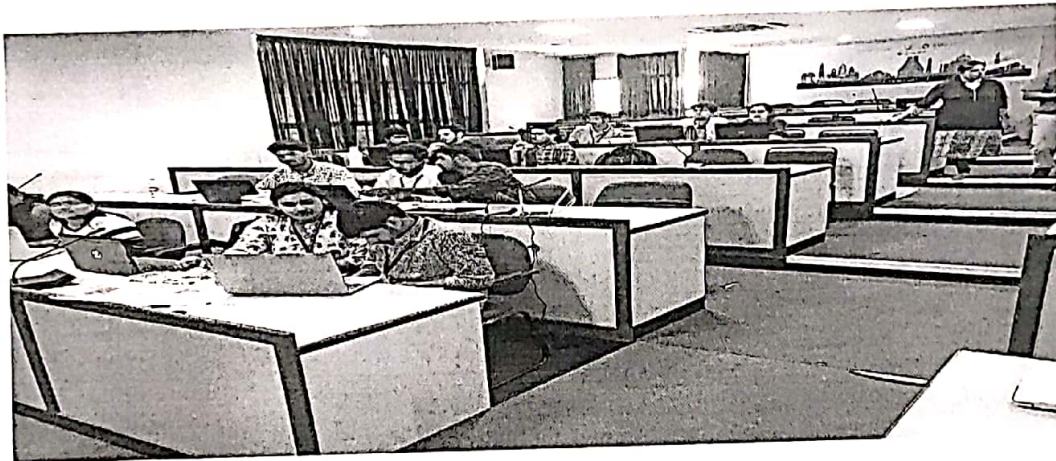

Mr Kiran Kumar is interacting with the students and explaining the installation procedures of required softwares to be done for the execution of programs.

Electronics & Communication Engineer
K.S. School of Engineering & Management
Bangalore-560 109

Mrs. Sridevi was helping the students and checking whether the students have installed the required tools for the IoT workshop.

Students were actively participating in the sessions and interacting with the resource persons.

Professor & Head
Dept. of Electronics & Communication Engineer...
K. S. School of Engineering & Managemen...
Bangalore-560 109

The students were listening to the sessions actively and performing their tasks given by Mr. Kiran Kumar.
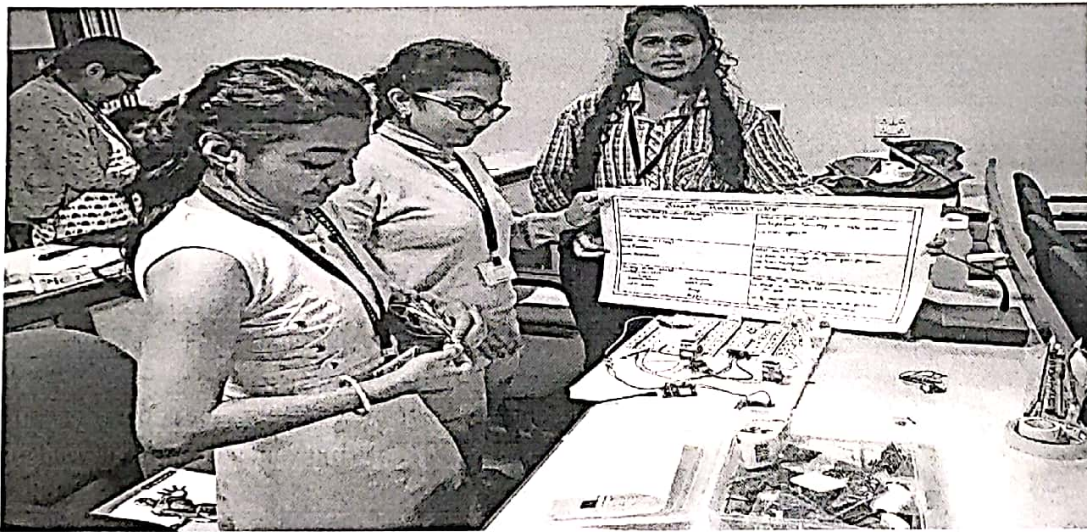

These students are verifying the hardware which was given by the bumblebee company for the all the students during the workshop.

Professor & Head
Dept. of Electronics & Communication Engineer .
K. S. School of Engineering & Management
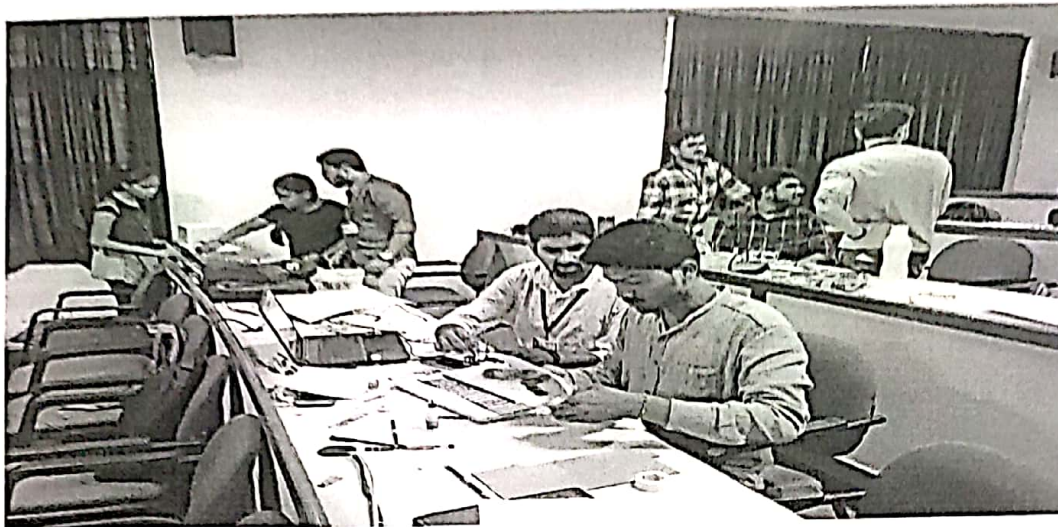Bangalore-560 109

During the workshop students were asked to complete a project with full working model, these students are busy in performing their project.

These students were exhibiting the project and their working model to the resource person Mr. Kiran Kumar and Dr. Girish V Attimarad.

Dept. of Electronics & Communication Engineering
K. S. School of Engineering & Management
Bangalore-560 109

These students are performing the project and developing their working model.

Distribution of the certificate after the students completed their demonstration of working model to the resource persons.

Professor & Head
Dept. of Electronics & Communication Engineering
K. S. School of Engineering & Management
Bangalore-560 109

The group photo of all the participant along with the resource persons, teaching and non teaching faculty involved in the IoT workshop.

Professor & Head
Dept. of Electronics & Communication Engineering
K. S. School of Engineering & Management
Bangalore-560 109

K.S.SCHOOL OF ENGINEERING AND MANAGEMENT

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Attendance Sheet for the IoT Workshop:

SL NO	NAME OF THE STUDENT	USN	Signature (26-08-19)	Signature (27-08-19)	Signature (28-08-19)
1	DOMMALAPATI MURALI CHARAN	1KG17EC025			
2	INDU D H	1KG17EC031			
3	LIKITHA SHREE R J	1KG17EC039			
4	HIMA SHREE M S	1KG17EC030			
5	KOWSHIK GOWDA K	1KG17EC036			
6	MANOJ J	1KG17EC045			
7	DIVYASHREE S	1KG17EC024			
8	DINESH G	1KG17EC020			
9	LAVANYA M	1KG17EC038			
10	KEETHANA B	1KG17EC033			
11	RACHITHA T E	1KG17EC061			
12	SARITHA N	1KG17EC073			
13	POOJA N	1KG17EC056			
14	PRIYA YADAV S	1KG17EC059			
15	PRAGATHI U	1KG17EC057			
16	SAHANA S PAL	1KG17EC069			
17	NEHA BEKAL	1KG17EC054			
18	SAHANA S	1KG17EC068			
19	SARITHA E	1KG17EC072			
20	BHARATHI U	1KG17CS014			
21	DIVYA BM	1KG17CS023			
22	HARISH VISHWANATH SORAGANVI	1KG17CS027			
23	NIMMALAPUDI BHARANI	1KG17CS051			
24	RAJATH D BHARADWAJ	1KG17CS061			
25	RAVITEJA S	1KG17CS065			
26	SAMEERA S KASHYAP	1KG17CS070			
27	SIDDHARTH MALIK	1KG17CS086			
28	SINDHU R	1KG17CS087			
29	YASH KUMAR SINGH PATWA	1KG17CS109			

HoD ECE
Professor & Head
Dpt. of Electronics & Communication Engineering
K. S. School of Engineering & Management
Bangalore-560 109

Principal
Dr. K. RAMA NARASIMHA
Principal/Director
K S School of Engineering and Management
Bengaluru - 560 109