



K. S. SCHOOL OF ENGINEERING AND MANAGEMENT
(Affiliated to VTU, Belagavi & Approved by AICTE, New Delhi, Accredited by NAAC)
#16, Mallesandra, Off Kanakapura Road, Bangalore-560029

Organized By
Department of Computer Science & Engineering

presents
Application of IOT
WORKSHOP

**Date : 17/12/2022 &
18/12/2022**

Venue: C Programming Lab

RESOURCE PERSON
Dr. Sreenivasa Setty
SST Technologies
Bangalore

CO-ORDINATORS
Mrs. Sandhya A K
Mrs. Amitha S
Mrs. R S Geethanjali

DR. K. VENKATA RAO
Professor & Head, Dept. of CSE

DR. K. RAMANARASIMHA
Principal & Director

DR. K. V. A. BALAJI
CEO, K.S.G.E



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presents
Application of IOT
WORKSHOP

**Date : 24/12/2022 &
25/12/2022**

Venue: C Programming Lab

RESOURCE PERSON
Dr. Sreenivasa Setty
SST Technologies
Bangalore

CO-ORDINATORS
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The Department of Computer Science and Engineering, KSSEM in association with SST technologies has organized 4-days Workshop on "Application of IoT" on 17-12-2022, 18-12-2022 and 24-12-2002 and 25-12-2022.

The workshop was inaugurated by Dr.K.RamaNarsimha principal and Director of KSSEM, Dr.K VenkataRao, Professor and Head of CSE, and Faculty of CSE Department, KSSEM.

The Resource person for the workshop Dr SreenivasaSetty, Chief Technical officer, SST technologies, Bengaluru. The participants are III students of CSE Department. The workshop was organised in C programming Laboratory. All the participants were provided with system enabled having internet facility.

OBJECTIVE: The workshop has been designed with the following objective:

- Provide introduction to Internet of Things (IoT)
- Enable people to work with Arduino IDE.

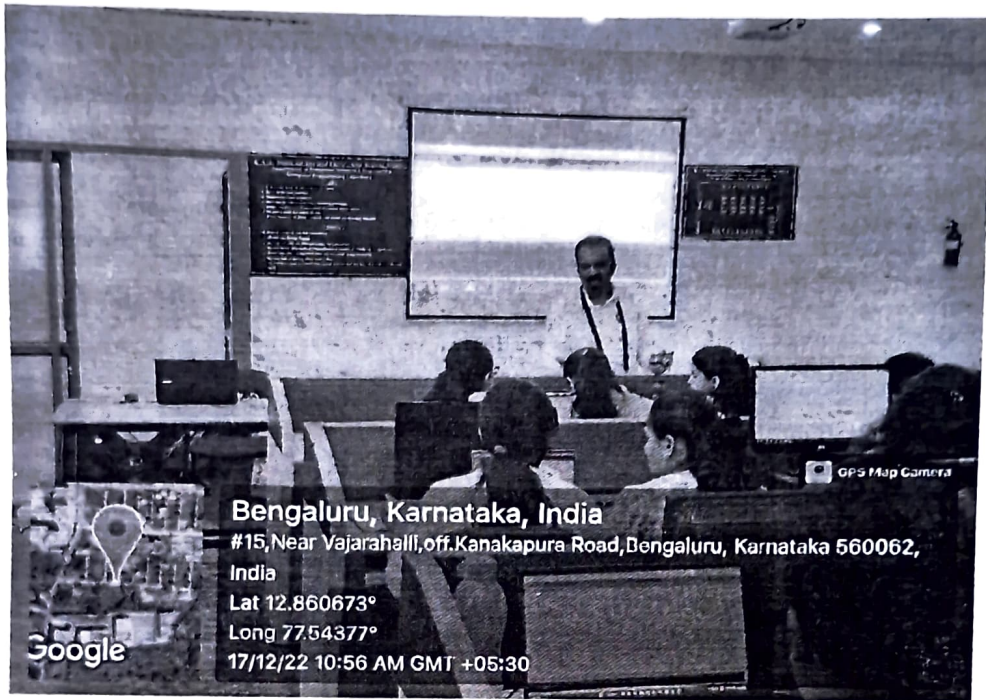
The workshop included the following topics

- The Internet of Things
- The Basics of Sensors
- Arduino Basics
- Arduino Board Layout & Architecture, simple projects

Day 1: Dr SreenivasaSetty started the session with the introduction to IoT, Internet of Things is a new revolution of the Internet. A world where the real, digital and the virtual are converging to create smart environments that make energy, transport, cities and many other areas more intelligent. A device become a smart device is called IOT. Now a days there are many android and server based application. In this system, value of sensor (e.g. temperature sensor, motion sensor, accelerometer sensor etc.) will be shown on GUI or web server or android application through wireless communication and device will be controlled automatically. Device will be operated on Wifi/GPRS, and working of various sensors were covered during the session.

Day 2: Dr SreenivasaSetty started the session with the Arduino Integrated Development Environment - or Arduino Software (IDE) - contains a text editor for writing code, a message area, a text console, a toolbar with buttons for common functions and a series of menus. It connects to the Arduino hardware to upload programs and communicate with them. Some simple

projects like Simple LED Program for Arduino. Reading Environmental Values on Android Smartphone were covered.







The outcome of the workshop was to provide support and guidance to the students so that they can gain an insight into the practicality of recent technologies for developing IoT applications, which can also be used for placement activities and to develop projects.

The session had colorful and eye catching presentations and it was a very interactive session between the students, faculties and the resource person.


 Workshop Coordinator


 Head of the Department
 HOD

Department of Computer Science Engineering
 K.S School of Engineering & Management
 Bangalore-560109


 Principal

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



K. S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU-560109

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

III-SEMESTER: SESSION (2022-23)

IOT WORKSHOP

Date & Time: 17th, 18th, 24th and 25th December 2022- 9:00 AM to 3.30 PM

(Venue: C Programming lab)

All the students are hereby informed that IOT Workshop for 3rd semester students is scheduled on 17/12/2022 and 18/12/2022 for section –A and 24/12/2022 and 25/12/2022 for section-B. It's compulsory for all the students to attend the workshop without fail. The workshop will be considered as a part of an activity in your 3rd semester.

Note: Students can avail the college bus facility from **KSIT campus (at 8:15 a.m)** to **KSSEM campus** and from **KSSEM campus (at 3:45 p.m)** to **KSIT campus**.

Workshop Coordinators

Mrs. Sandhya A K 

Mrs. Amitha S 

Ms. R S Geethanjali 


15/12/22

Head of the Department

Dr. K Venkata Rao

HOD

Dept. of Computer Science & Engineering
K.S. School of Engineering & Management
Bangalore-560 062.



K. S. SCHOOL OF ENGINEERING AND MANAGEMENT, BENGALURU-560109

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

III-SEMESTER: SESSION (2022-23)

IOT WORKSHOP

Date & Time: 24th and 25th December 2022- 9:00 AM to 3.30 PM

(Venue: C Programming lab)

All the students are here by informed that IOT Workshop for 3rd semester B Section students is scheduled on **24/12/2022** and **25/12/2022** for **section-B**. It's compulsory for all the students to attend the workshop without fail. The workshop will be considered as a part of an internship activity in your 3rd semester. The students who fail to attend the workshop will not be awarded with Internship certificate and need to repeat the Internship activity next year.


Note:

Students can avail the college bus facility from **KSIT campus (at 8:15 a.m)** to **KSSEM campus** and from **KSSEM campus (at 3:45 p.m)** to **KSIT campus**.

The students who are having Laptop kindly bring it to the workshop.

Workshop Coordinators

Mrs. Sandhya A K 

Mrs. Amitha S 

Ms. R S Geethanjali 


23/12/22

Head of the Department

Dr. K Venkata Rao

HOD

Dept. of Computer Science & Engineering
K.S. School of Engineering & Management
Bangalore-560 062

25/11/2022.

From,
The HOD,
Department of CSE,
KSSEM, Bengaluru.

To,
The Principal,
KSSEM, Bengaluru.

Respected Sir,

Sub: Request to sanction the budget for conducting Skill Development Workshop for 3rd semester students.

Skill Development Workshop will be held on 17th, 18th December for 3rd semester students of Section-A and 24th, 25th December for 3rd semester students of Section-B of CSE Department. The main aim of the workshop is to provide hands-on training to the students on IOT technology and encourage students to design the innovative projects on IOT. Certificates will be given to all the participants.

In view of this, we kindly request you to give permission to conduct the workshop during the above-mentioned dates. The proposed budget is as follows:

SL No.	Particulars	Amount in Rs.
1	Trainer fee for 126 students (fee for each student 300/- + 18% GST)	42,480/-
2	Bouquets	3x 150 = 450/-

3	Breakfast for trainer (from KSSEM Hostel)	4 x 100 = 400/-
4	Lunch from KSSEM Hostel to trainer	4 x 150 = 600/-
5	Miscellaneous	500/-
	TOTAL	44,430/-

1. *[Signature]*
25/11/22

[Signature]
Head of the Department
25/11/22

[Signature]

[Signature]
01/12/22

HOD
Dept. of Computer Science & Engineering
K.S. School of Engineering & Management
Bangalore-560 062



15/12/2022

From,
Dr. K Venkata Rao,
Head of the Department,
Department of CSE,
KSSEM, Bengaluru-109

To,
Balakrishna. A
Hostel Warden,
KSSEM, Bengaluru-109

Through,
The Principal,
KSSEM, Bengaluru-109

Respected Sir,

Sub: Request to provide breakfast and lunch for IOT Workshop on 17/12/2022, 18/12/2022, 24/12/2022 and 25/12/2022.

IOT Workshop will be held on 17/12/2022, 18/12/2022, 24/12/2022 and 25/12/2022 for 3rd semester students of CSE Departments. Therefore, we request you to kindly provide lunch for 6 members. In view of this, we kindly request you to provide the same.

Kindly do the needful.

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19/12/22

[Handwritten signature]
15/12/22

[Handwritten signature]
15/12/22

Regards
Dr. K Venkata Rao
Head of the Department
CSE, KSSEM

HOD
Dept. of Computer Science & Engineering
K.S. School of Engineering & Management
Bangalore-560 062.



Application of IoT - Workshop Attendance Morning Session

Sl. No.	USN	Name of the Student	Signature
1	1KG21CS001	ABBURI PALLAVI	Pallavi
(2)	1KG21CS002	ABHIJEET DAS	ABSENT
3	1KG21CS003	ABHILASH B R	Abhilash
4	1KG21CS004	ABHISHEK V	Abhishek
5	1KG21CS005	AKHILA A	ABSENT
6	1KG21CS006	AKSHATHA R GOWDA	ABSENT
7	1KG21CS007	ALLU CHINNI KRISHNA	A.C.K.
8	1KG21CS008	AMITH C SURI	Amith
9	1KG21CS009	AMOGH A	Amogh
10	1KG21CS010	ANKITHA VENKATESH	Ankitha Venkatesh
11	1KG21CS011	ANKUSH GOWDA K	ANKUSH
12	1KG21CS012	ARPITHA S	ABSENT
13	1KG21CS013	ASHWINI C	Ashwini-C
14	1KG21CS014	B NAYANA	Nayana
15	1KG21CS015	BATTA PREETHI	Preethi
16	1KG21CS016	BEEGALU SRINIVAS AKHIL	Akhil
17	1KG21CS017	BHARATH GOWDA J	Bharath
18	1KG21CS018	BHAVANA D	Bhavana D.
19	1KG21CS019	BHAVANA S	Bhavana S.
(20)	1KG21CS020	BHOOMIKA P DESAI	ABSENT
21	1KG21CS021	C SUSMITHA	C.Susmitha
22	1KG21CS022	CHALLA HARI KISHORE NAIDU	C.H.Kishore
23	1KG21CS023	CHANDAN TAVANE	ABSENT
24	1KG21CS024	CHINMAIY P	Chinmai P
25	1KG21CS025	DARSHAN GOWDA	ABSENT
26	1KG21CS026	DARSHAN R	Darshan R
27	1KG21CS027	DEEKSHITHA R	Deekshitha R.
28	1KG21CS028	DEEPAK ATHRESH R	Deepak
29	1KG21CS029	DEV DAS	Devdas
30	1KG21CS030	DHAKSHITHA A	Dhakshitha A
31	1KG21CS031	DHANUSH G P	ABSENT
32	1KG21CS032	DHANUSH U S	Dhanush U S
33	1KG21CS033	DHARINI	Dharini
34	1KG21CS034	DHEERAJ D RAIKAR	Dheeraj D Raikar
35	1KG21CS035	DIBYAJYOTI SAHU	Dibyajyoti Sahu
36	1KG21CS036	DINESH J L	ABSENT
37	1KG21CS037	DIVYA H U	Divya H U
38	1KG21CS038	DIVYA P	Divya P.

39	1KG21CS039	GEOFFREY SAMUEL	ABSENT
40	1KG21CS040	GONGATI RAGHU	Refer. Co.
41	1KG21CS041	GORANTLA DIVYA SREE	Divya Sree
42	1KG21CS042	GURUJALA BHARATH	Bharath
43	1KG21CS043	GURURAJ B	Gururaj B
44	1KG21CS044	HANOCH CHRISTIAN R	ABSENT
45	1KG21CS045	HARSHITH K P	Harshith K.P.
46	1KG21CS046	HARSHITHA D G	Harshitha D.G.
47	1KG21CS047	HITESH A REDDY	H. A. Reddy
48	1KG21CS048	JAHANAVI S	Jahanavi S.
49	1KG21CS049	K CHAKRADHAR RAJU	ABSENT
50	1KG21CS050	K J PRAKRUTHI	Prakruthi
51	1KG21CS051	K NITHISH	ABSENT
52	1KG21CS052	K ROHITH	K. Rohith
53	1KG21CS053	KARTHIK G	ABSENT
54	1KG21CS054	KASTURI POORNIMA CHOWDARY	Poornima K.
55	1KG21CS055	KISHOR KUMAR L	Kishor K.
56	1KG21CS056	KUNALA GANESH	Ganesh K.
57	1KG21CS057	KUSHMITHA T A	Kushmitha T.A.
58	1KG21CS058	KUSUMA B	Kusuma B.
59	1KG21CS059	L LAVANYA	L. Lavanya
60	1KG21CS060	LAKSHA SENTHILKUMAR	Laksha S.
61	1KG21CS061	M POOJA	Pooja
62	1KG21CS062	M SURABHI	ABSENT
63	1KG21CS063	MADINENI BHUVANA	Bhuvana


B. S. K.


HOD
17/12/22

Workshop coordinator