



AKSHAYA INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to VTU, Belgaum, Recognized by Govt. of Karnataka
Obalapura Post, Lingapura, Koratagere Road, Tumakuru - 572 106, Karnataka



Department of Electronics & Communication Engineering

Report on Student Development Program on “Industrial IOT/ Embedded Microcontroller

Date: 2nd September to 4th September 2025



Akshaya Institute of Technology

Lingapura, Tumkur.

Department of Electronics and
Communication Engineering

Welcomes you all to the Inauguration of
STUDENT DEVELOPMENT PROGRAMME
on IIOT & Microcontroller

2nd Sept. to 4th Sept. 3 Days

Resource Persons

Mr. Prabhu

Director, Avinya Networks, Bangalore

Ms. Manjula

Coordinator, Avinya Networks, Bangalore

Patrons

Dr. Shivakumar K.S.

Hon'ble Chairman, AET, Tumkur.

Dr. Shobha S.

Hon'ble Secretary, AET, Tumkur.

Dr. Yathisha L.

Principal, AIT, Tumkur.

Convener

Dr. Somashekhar G.C.

Prof. & HOD, Dept. of ECE

Coordinators

Mrs. Arshiya Ruheen

Asst. Prof. Dept. of ECE

Mr. Pradeep Kumar V.H.

Asst. Prof. Dept. of ECE

Venue : Seminar Hall, AIT

Report on Student Development Program on “Industrial IOT/ Embedded Mirocontroller

Event Type : Three days Student Development Program (SDP)

Event Date / Duration : 02-09-2025 to 04-09-2025

Resource Person : Mr.M Prabhu, Driector, Avinya Networks, Bangalore.

Ms. Manjula, Coordinator, Avinya Networks, Bangalore.

Names of Coordinator : Mr.Pradeep kumara V H & Mrs.Arshiya Ruheen

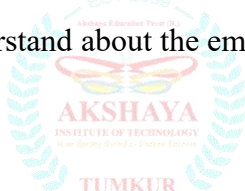
Target Audience : V sem, B.E Students of ECE Department.

Total no of Participants : 68

Objective of the event : The objective of this workshop is to gain the basic skills on tinkerer & energia software and coding practice using Arduino.

Outcome of event :

Students got knowledge regarding in the field of Embedded IOT by developing coding with micro controllers in tinkercad software. Understand about the embedded systems and the IOT applications using Arduino



Description/Report on event:

The ECE department organized Three days workshop in Association with Avinya Networks, Bengaluru on “IIOT & Microcontroller “ from 02.09.2025 to 04-09-2025.

The students are practiced with Tinkercad & Energia softwares.

02/09/2025:First day they learned about embedded systems and their applications along with example programs with microcontroller by using software students got knowledge about how to install tinkercad & energia softwares and their usage.

03/09/2023: second day they learned about Arduino and practiced different exercise programs in tinkercad by using Arduino.

04/09/2025: Third day they got knowledge about different types of converters,different types of modulation ,different types of sensors like PIR,ultra sonic and heat sensors.

Photographs: Day1



Inauguration for the Student Development Program on IIOT & Microcontroller



Workshop Participants



**Addressing By Dr.Somashekhar G C
HOD, Dept. of ECE,
AIT, Tumakuru**

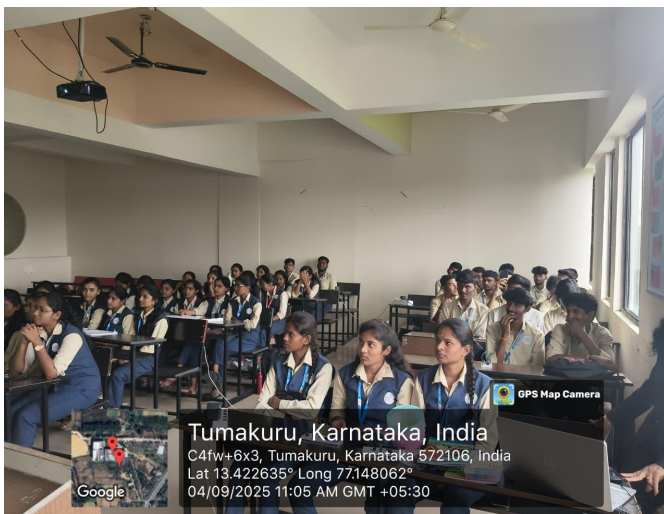


**Felicitaiton to Resouce Person:
Mr. P M Prabhu, Driector, Avinya Networks.
Bangalore**

Photographs: Day2



Photographs: Day3



Final Day Group Photos :



Attendance for 3Days Student Development Program on “Industrial IOT/ Embedded Mirocontroller



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Students Attendance for 3Days Workshops

Student Development Program on “Industrial IOT/ Embedded Mirocontroller

5th SEM Student List

Sl.No.	USN	Student Name	Day 01	Day 02	Day 03
1.	1AK22EC033	MANOJ H G	Manoj.H.G	manoj.H.G	Manoj.H.G
2.	1AK22EC037	RAKESH S S	Rakesh.S.S	Rakesh.S.S	Rakesh.S.S
3.	1AK22EC043	SACHIN MALLIKARJUN			
4.	1AK23EC001	AJEYA S T	Ajeya	Ajeya	Ajeya
5.	1AK23EC002	AKASH G G	Akash.G.G	Akash.G.G	Akash.G.G
6.	1AK23EC003	AKASH R	Akash.R	Akash.R	Akash.R
7.	1AK23EC004	AKSHAY RAM R	Akshay.Ram.R	Akshay.Ram.R	Akshay.Ram.R
8.	1AK23EC008	CHAITRA	Chaitra	Chaitra	Chaitra
9.	1AK23EC009	CHANDANA C N	Chandana.C.N	Chandana.C.N	Chandana.C.N
10.	1AK23EC010	CHETHAN C	Chethan.C	Chethan.C	Chethan.C
11.	1AK23EC011	D S VARSHITHA	D.S.Varshitha	D.S.Varshitha	D.S.Varshitha
12.	1AK23EC012	DAKSHAYINI A V	Dakshayini.A.V	Dakshayini.A.V	Dakshayini.A.V
13.	1AK23EC014	DHARANESH N S	Dharanesh.N.S	Dharanesh.N.S	Dharanesh.N.S
14.	1AK23EC015	HARISH K	Harish.K	Harish.K	Harish.K
15.	1AK23EC016	HARSHITHA M M	Harshitha.M.M	Harshitha.M.M	Harshitha.M.M
16.	1AK23EC017	HARSHITHA N	Harshitha.N	Harshitha.N	Harshitha.N
17.	1AK23EC018	HEMA G S	Hema.G.S	Hema.G.S	Hema.G.S
18.	1AK23EC019	KIRAN B N	Kiran.B.N	Kiran.B.N	Kiran.B.N
19.	1AK23EC020	KOMAL GOWDA A	Komal	Komal	Komal
20.	1AK23EC021	LAKSHMI VARAPRASAD REDDY G	Lakshmi.Varaprasad.Reddy.G	Lakshmi.Varaprasad.Reddy.G	Lakshmi.Varaprasad.Reddy.G
21.	1AK23EC023	MANJULA MALLAPPA UPPAR	Manjula.Mallappa.Uppar	Manjula.Mallappa.Uppar	Manjula.Mallappa.Uppar
22.	1AK23EC024	MANJULA SHANKRAPPA BADIGER	Manjula.Shankrappa.Badiger	Manjula.Shankrappa.Badiger	Manjula.Shankrappa.Badiger
23.	1AK23EC025	MANORAME H S	Manorame.H.S	Manorame.H.S	Manorame.H.S
24.	1AK23EC026	MANUSHREE J	Manushree.J	Manushree.J	Manushree.J
25.	1AK23EC027	MANUSHREE P S	Manushree.P.S	Manushree.P.S	Manushree.P.S
26.	1AK23EC028	MUTHURAJ M	Muthuraj.M	Muthuraj.M	Muthuraj.M
27.	1AK23EC029	NAYANA P N	Nayana.P.N	Nayana.P.N	Nayana.P.N
28.	1AK23EC031	NISHCHITHA C C	Nishchitha.C.C	Nishchitha.C.C	Nishchitha.C.C
29.	1AK23EC032	POORNIMA MAHANTESH YALAGACHCHA	Poornima.Mahantesh.Yalagachcha	Poornima.Mahantesh.Yalagachcha	Poornima.Mahantesh.Yalagachcha

30.	1AK23EC033	PRAJWAL BHEEMANAGOWDA PATIL	Prajwal	Prajwal	Prajwal
31.	1AK23EC035	PRAKASH MALLI	Prakash	Prakash	Prakash
32.	1AK23EC036	PRIYA	Priya	Priya	Priya
33.	1AK23EC038	PUSHPALATHA B	Pushpa	Pushpa	Pushpa
34.	1AK23EC039	RAGHUNANDANBHATT	Raghu	Raghu	Raghu
35.	1AK23EC040	RAKSHITHA IKAL	Rakshitha	Rakshitha	Rakshitha
36.	1AK23EC041	RAKSHITHA K Y	Rakshitha	Rakshitha	Rakshitha
37.	1AK23EC042	RAKSHITHA N	Rakshitha	Rakshitha	Rakshitha
38.	1AK23EC043	RAMANADRI M	Ramanadri	Ramanadri	Ramanadri
39.	1AK23EC044	SANGAMESHWAR ANGADI	Sangameshwar	Sangameshwar	Sangameshwar
40.	1AK23EC046	SHRAVANI S	Shravani	Shravani	Shravani
41.	1AK23EC047	SINDHU B V	Sindhu	Sindhu	Sindhu
42.	1AK23EC049	SRUJAN SHIVANAND KAMBLE	Srujan	Srujan	Srujan
43.	1AK23EC050	SUMIT ANILSINGH RAJPUT	Sumit	Sumit	Sumit
44.	1AK23EC051	SUNIL HANAMAPPA UDDAR	Sunil	Sunil	Sunil
45.	1AK23EC052	SURESH MALLAPPA KOODAGI	Suresh	Suresh	Suresh
46.	1AK23EC053	TEJAS B G	Tejas	Tejas	Tejas
47.	1AK23EC054	THIPPESWAMY D	Thippeswamy	Thippeswamy	Thippeswamy
48.	1AK23EC056	VARSHINI M	Varshini	Varshini	Varshini
49.	1AK23EC057	VASUNTHARADEVI G	Vasunthara	Vasunthara	Vasunthara
50.	1AK23EC058	VIJAYALAXMI ANKASADADDI	Vijayalaxmi	Vijayalaxmi	Vijayalaxmi
51.	1AK23EC060	VIKAS N	Vikas	Vikas	Vikas
52.	1AK24EC400	ARBIYA BANU	Arbiya	Arbiya	Arbiya
53.	1AK24EC401	CHANDANA H C	Chandana	Chandana	Chandana
54.	1AK24EC402	DARSHAN V	Darshan	Darshan	Darshan
55.	1AK24EC403	POORNACHANDRA	Poornachandra	Poornachandra	Poornachandra
56.	1AK24EC404	S PRATHIBHA	S Prathibha	S Prathibha	S Prathibha
57.	1AK24EC405	SHAHID	Shahid	Shahid	Shahid

Cordinators

Mr.Pradeepkumara V H. Asst professor

Mrs.Arshiya Ruheen. Asst professor

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04/09/2025

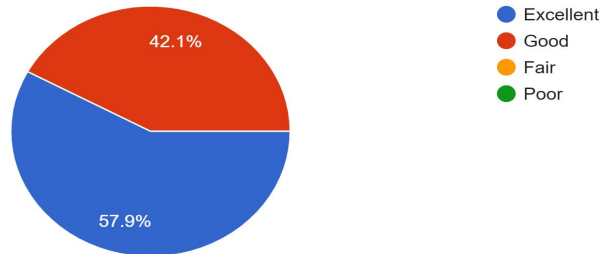
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04/09/2025
HOD/ECE

Head of the Department
Electronics & Communication Engineering
Akshaya Institute of Technology
Tumkur - 572 106.

Students Feedback for Student Development Program on “Industrial IOT/ Embedded Mirocontroller

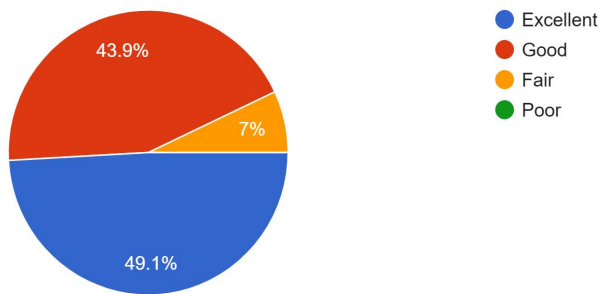
1. How would you rate the overall quality of the programme?

57 responses



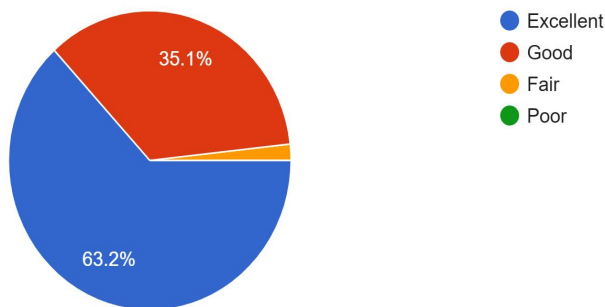
2. Were the topics covered relevant to your interests?

57 responses



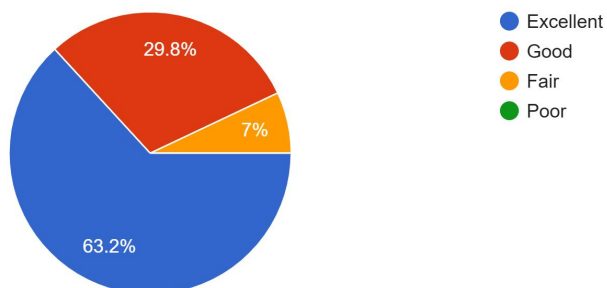
3. How would you rate the expertise of the resource persons?

57 responses



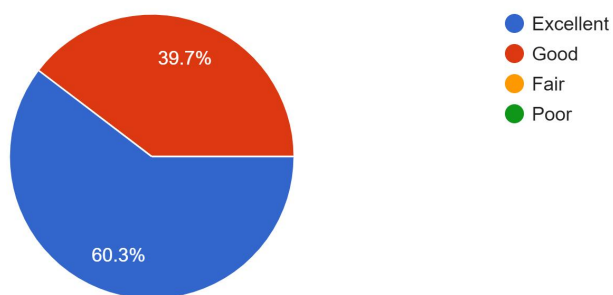
4. Were the hands-on sessions helpful in understanding the concepts?

57 responses



5. How likely are you to apply the learnings in your projects?

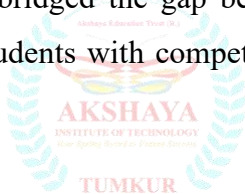
58 responses



Conclusion

The Student Development Program on “Industrial IoT/Embedded Microcontroller” successfully enhanced participants’ technical knowledge and practical skills. It provided valuable insights into modern industrial applications and emerging IoT trends.

Students gained hands-on experience with microcontrollers, strengthening their problem-solving and innovation abilities. The program bridged the gap between theoretical learning and industry requirements. Overall, it empowered students with competencies essential for future technological careers.



Cordinators

Mr.Pradeepkumara V H, Asst. professor

Mrs.Arshiya Ruheen, Asst. professor

HOD/ECE

Dr.Somashekar G C