



## **SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY**

Dindigul-Palani Highway, Dindigul-624002

(Accredited by NAAC)

### **REPORT**

ON

**TECHNOLOGY TRAINING IN  
“ROBOTICS,IOT and DRONES”  
FOR II YEAR ECE STUDENTS**

**DURATION:13.02.2023 - 17.02.2023**

**SUBMITTED by**

**Dr.M.JEYALAKSHMI,ASP/ECE**

**Dr.K.GANAPRIYA,AP/ECE**

**SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**Dindigul-624002**

**SUBMITTED ON 28.02.2023**

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# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul – Palani Highway, Dindigul – 624 002.

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## Department of ECE

### CIRCULAR

27.01.2023

Department of ECE has planned to conduct "Technical training on Robotics, Drones & IoT" from 06.02.23 to 10.02.23 for second year ECE students. The main objective of this training is to create awareness on methodology of manufacturing products to meet the emerging demands in Industries. Henceforth, students are requested to attend this technical training and get benefitted.

**Venue :** Networks Lab

**Resource Person:** **Balaji Varadhan**  
Program Co-ordinator  
Village Technology School  
Chennai.

1.   
2.   
Coordinators

1.Dr.M.Jeyalakshmi  
2.Dr.K.Ganapriya

1.   
2.   
Faculty Incharge

Mrs.A.Geetha  
Mrs.G.Saranya

Dr. S. Karthigai Lakshmi

**PRINCIPAL**  
Dr. D. Senthil Kumaran

HOD/ECE

**DEPARTMENT OF ECE**

**ORGANIZES**

**“Technology Training on Robotics, Drones & IoT ”**

**RESOURCE PERSON**



**BALAJI VARADHAN**  
**Program Co-ordinator**  
**Village Technology School**  
**Chennai.**



Date: 13-02-2023 to 17-02-2023  
Time : 09.00am -04.00 pm  
Venue: Network Lab

This is an Tentative Date. Subject to Change based on Requirements

**Co-ordinators**  
**Dr. M.Jeyalakshmi**  
**Dr.K.Ganapriya**

**Faculty Incharge**  
**Mrs.A.Geetha**  
**Mrs.G.Saranya**

**HoD**  
**Dr.S.Karthigai Lakshmi**

**Principal**  
**Dr. D. Senthil Kumaran**

**All are cordially invited**

## **SYLLABUS**

Introduction to Internet of Things (IoT), Smart IoT device. IoT computing. IoT components. AI & IoT concept, Embedded board & Programming Languages. Introduction to Arduino. Basic I/O. IoT simulator. Digital Input-Output. Analog Input-Output. IoT connectivity. IoT application. Tool and supplements. IoT network protocol. Setup docker desktop. IoT applications. Case Study: Temp/Humid Monitoring and Control Node-RED Simulation/ Node-RED Brain Process / Databases / Grafana. Introduction to Robotics. Robot Types. Robot Mechanics. Robot Controller. Sensors and actuators. Robot Kinematics. Concepts of kinematics. Notation and Matrix Representation.

## **OUTCOME:**

To give experience of deep learning and it will be classified into individual hackathon projects, small group projects, and big bang group projects



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DEPARTMENT OF ECE

REVIEW ARTICLE

Robotics,Drones & IoT

YEAR/SEMESTER/SECTION:II/IV/ECE-A



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DEPARTMENT OF ECE  
Technical training

5

Robotics,Drones & IoT

YEAR/SEMESTER/SECTION:II/IV/ECE-B

Sl. No	REGISTER NUMBER	NAME OF THE STUDENT	13/02/2023	14/02/2023	15/02/2023	16/02/2023	17/02/2023
			FN	AN	FN	AN	FN
1.	922121106039	LOGESH K	K L K. K. K.	K. L. K.	K. L. K.	K. L. K.	K. L. K.
2.	922121106040	MADHU BALA S	AB	AB	AB	AB	AB
3.	922121106041	MAHALAKSHMI T	Malha	T. Malha	T. Malha	T. Malha	T. Malha
4.	922121106042	MAKARISH M	Dalini	Dalini	Dalini	Dalini	Dalini
5.	922121106043	MANASVINI S A	Manasvini	Manasvini	Manasvini	Manasvini	Manasvini
6.	922121106044	ABINASH.R	Abinash	Abinash	Abinash	Abinash	Abinash
7.	922121106045	MARGRATE SNEKA J	J. S. S.	J. S. S.	J. S. S.	J. S. S.	J. S. S.
8.	922121106046	MARIA CHRISTY Y J	J. Maria	J. Maria	J. Maria	J. Maria	J. Maria
9.	922121106047	MATHAN RAJ C	Mathan	Mathan	Mathan	Mathan	Mathan
10.	922121106048	MOHAMED MUFASSAL M	Mufassal	Mufassal	Mufassal	Mufassal	Mufassal
11.	922121106049	MOHAMED MUSTHAQ B	Musthy	Musthy	Musthy	Musthy	Musthy
12.	922121106050	MOHAMED SULAIMAN A	Sulaiman	Sulaiman	Sulaiman	Sulaiman	Sulaiman
13.	922121106051	MOHANA PRIYA S	Priya	Priya	Priya	Priya	Priya
14.	922121106052	MUKESH KUMARK	K. Mukesh	K. Mukesh	K. Mukesh	K. Mukesh	K. Mukesh
15.	922121106053	MURALIKARTHIK V	AB	AB	AB	AB	AB



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DEPARTMENT OF ECE  
Technical training

## On Robotics Drones & IoT

YEAR/SEMESTER/SECTION:II/IV/ECE-C

## REPORT

### DAY 1

- ❖ In that session the trainers introduced themselves and explained about their organization namely “Village Technology School”. After that they explained that why they came to our college and they revealed that they going to organize work shop in our college for our department ECE.
- ❖ Then the informational ideas about robotics and their carrier are given. After sometimes we learned about the basic components like gear motors, Arduino board, etc.
- ❖ Students learned basic applications of robotics and also the application of each and every component what we are using in that workshop on that session. They are very informative and we noted it for our future purposes.
- ❖ After explanations, they revealed that ten projects. Namely,
  - Bluetooth controlled robot
  - Obstacle avoiding robot
  - Line follower robot
  - Hand gesture robot
  - Automatics plant water sprayer
  - Biometric entry system
  - Voice control robot (lillibot)
  - Autonomous robot(lillibot)
  - Drone
- ❖ Above mentioned projects applications are explained by them.

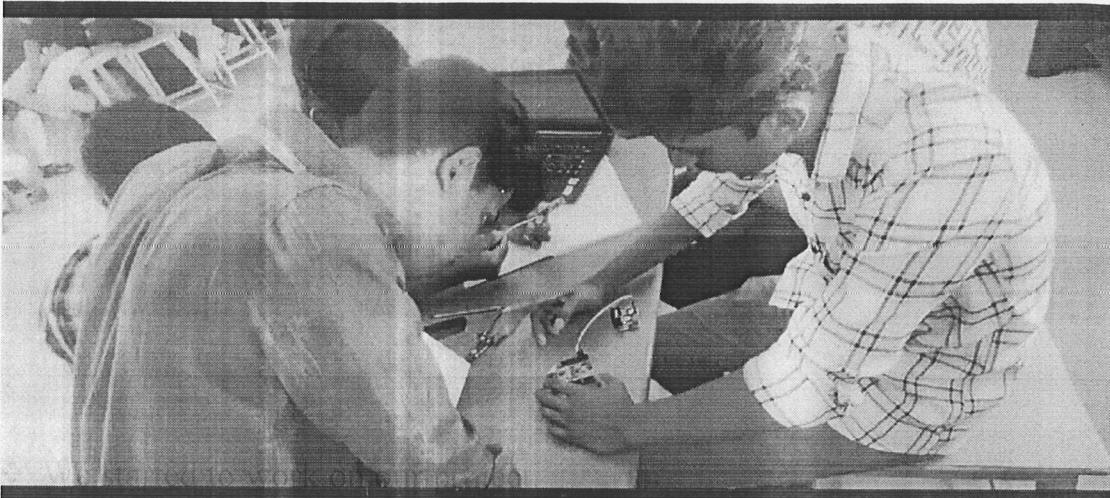
### DAY 2

- ❖ On that day students started to project under the surveillance of our trainer. Next day students began to understand the basics of our projects. Trainer gave the components to understand basic program from Arduino software and how to upload them. First, they did the basic program called blink. We learned about that software then learned to use it.
- ❖ Few minutes later they finished that blink project and understand how it works. After few hours they finished both work and combined it to one.
- ❖ Then the connections are given to the Arduino board and the software is successfully uploaded in the board.

### DAY 3

- ❖ We started the day with individual project we did the project named as Bluetooth controlled robot modal.
- ❖ The components required for this project are distributed by the trainer and the instruction were given by him.

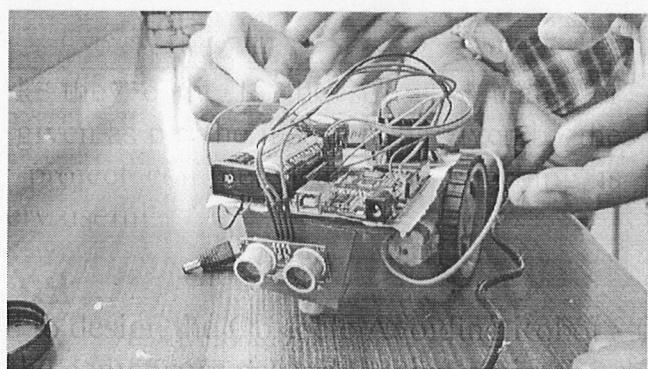
- ❖ We started to work on our project.
- ❖ Team NANO separated within the team to work fast. 5 members works with software and another 5 works with hardware.

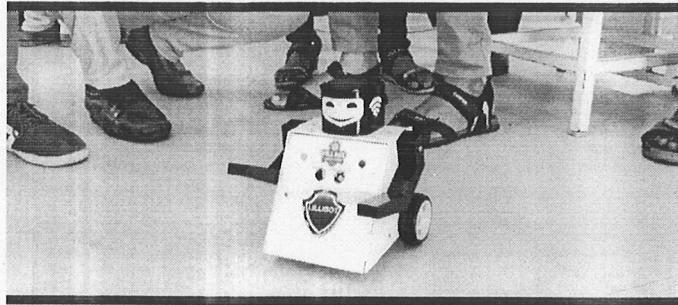


- ❖ When software finishes their work, they come to the software team for checking. Then the connections are given as per the instructions given by the instructor. After few minutes our project completed and the checking is successfully done. That session is very useful.

#### **DAY 4**

- ❖ On that day students first instructed to design the Obstacle Avoiding Robot model. Next the instructor gave all the component needed for that project and he also given the instruction about the project.
- ❖ Students are exchanged the member who not done the hardware part and also exchanged the members for software part inside the team. Same procedure followed for this project also.
- ❖ When we finished the software part, it is given for checking to the hardware section. Then the connections are given as per the instruction given by the instructor.
- ❖ As we have moved to the next project of LILIPOT. As it is voice control robot which is controlled by voice command. students have assemble the parts as per the circuit diagram and we have programmed the code to the Arduino board. Finally, the robot is worked as per the command and runned well.





## DAY 5

### PROJECT DRONE

- ❖ Drones are small remotely controlled aerial vehicles, i.e., they are unmanned aerial vehicles.
- ❖ They look like helicopters or reconnaissance aircraft and, without a doubt, one of their strengths is the many different applications for which they can be used.
- ❖ UAVs were most often associated with the military. They were initially used for anti-aircraft target practice, intelligence gathering and, more controversially, as weapons platforms. Drones are now also used in a range of civilian roles, including the following:
  - search and rescue
  - surveillance
  - traffic monitoring
  - weather monitoring
  - firefighting
  - personal use
  - drone-based photography
  - videography
  - agriculture
  - delivery services



### ❖ Advantages of UAV Drones

- Apart from taking on dangerous tasks, drones can also monitor areas that do not necessarily pose a risk to human workers.
  - Still, the reliance on human workers can add a considerable margin of error and accuracy.
- ❖ It have a port to get the data and one port for power supply.

### CONCLUSION:

The given Projects are done by us are worked successfully and it was demonstrates to the trainers and to the visitors and Explained well. students have conclude that this technology training were useful to them .



**SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY,Dindigul**  
**DEPARTMENT OF ECE**  
**Academic Year [2022-2023]**

Namelist

Sec:II ECE A ,B,C

Sl. No	Register Number	Name of the student
1	922121106001	AAKASH RAJ S
2	922121106002	AARTHI A.M
3	922121106003	ALMAS MARJIYA S
4	922121106004	AMALARANI S
5	922121106005	ANGEL PAULINA .B
6	922121106006	BALAKRISHNAN S
7	922121106008	CHINTHAIKKU INIYAN M
8	922121106009	DHANASHREE R
9	922121106010	DHVIVYA N
10	922121106011	DHVIVYA DHARSHINI B
11	922121106012	DIVYADHARSHINI K
12	922121106013	DIVYA SREE S
13	922121106014	FARHATH NASEEM J
14	922121106015	GOKULRAMNATH K
15	922121106016	GOWTHAM K
16	922121106017	GOWTHAM M
17	922121106018	HAMEED HUSAIN M
18	922121106020	JAMUNA G
19	922121106021	JEEVA S
20	922121106022	JEYA SEELAN S
21	922121106023	KABILAN R
22	922121106024	KAJAL KRISHNA C
23	922121106025	KALPANA S
24	922121106026	KAMATCHI VELAN M
25	922121106027	KAVIDYA M 12.11.2003
26	922121106028	KAVIDYA M 6.3.2004
27	922121106029	KEERTHANA U
28	922121106030	KEERTHIVARMAN M
29	922121106031	KIRAN CHELLAPERUMAL G
30	922121106032	KIRUTHIGA M
31	922121106033	KISHORE M
32	922121106034	KISHORE KANNAN H
33	922121106035	LAKSHMI PRIYA P
34	922121106036	LATHA K
35	922121106037	LIJESH KARTHIK V

36	922121106038	LISHA R
37	922121106301	B.HARIBALAN
38	922121106303	VIJAY
39	922121106039	LOGESH K
40	922121106040	MADHU BALA S
41	922121106041	MAHALAKSHMI T
42	922121106042	MAKARISH M
43	922121106043	MANASVINI S A
44	922121106044	ABINASH.R
45	922121106045	MARGRATE SNEKA J
46	922121106046	MARIA CHRISTY J
47	922121106047	MATHAN RAJ C
48	922121106048	MOHAMED MUFASSAL
49	922121106049	MOHAMED MUSTHAQ
50	922121106050	MOHAMED SULAIMAN
51	922121106051	MOHANA PRIYA S
52	922121106052	MUKESH KUMAR K
53	922121106053	MURALI KARTHICK V
54	922121106054	MURUGANANDAM R
55	922121106055	MUTHUVEL M
56	922121106056	NAGAPRIYA S
57	922121106057	NATRAYAN R
58	922121106058	NAVEENA N
59	922121106059	NAVEENKUMAR J
60	922121106060	NAVEEN KUMAR R
61	922121106061	NIKITHA I
62	922121106062	PANDI SAKTHIVEL R
63	922121106063	PAVITHRA N
64	922121106064	POOJA M
65	922121106065	PRANAV SANKAR G R
66	922121106066	P.PRASANNA
67	922121106067	PREETHI H
68	922121106068	PRIYA M
69	922121106069	PRIYADHARSHINI C M
70	922121106070	PRIYADHARSHINI R
71	922121106071	PRIYA LAKSHMI M
72	922121106072	RAMACHANDRAN G
73	922121106073	RIGNESHWAR C
74	922121106074	ROBIN J J
75	922121106302	L.THARUNKUMAR
76	922121106304	S.VISHWANATHAN
77	922121106075	SABITHA JONES M

78	922121106076	SAI AISHWARYA G T
79	922121106077	SANJEEVI M
80	922121106078	SANJITHA FATHIMA S
81	922121106079	SANTHI A
82	922121106080	SANTHOSH R
83	922121106081	SARATHI V
84	922121106082	SASHMITHA SHREE M
85	922121106083	SATHISH KUMAR S
86	922121106084	SATHYADEVI B
87	922121106085	SELVA MADHESVARAN
88	922121106086	SENTHIL NATHAN M
89	922121106087	SHANMUGAPRIYA S
90	922121106088	SHREENITHI K
91	922121106089	SIBISUDHAN R
92	922121106090	SIVASANKARI K
93	922121106091	SONAISAKTHI M
94	922121106092	SOORIYA K
95	922121106093	SRIRAM M
96	922121106094	SRISRUTHI S
97	922121106095	SUBASH NATRAYAN R.M
98	922121106096	SUBHA N
99	922121106097	SUBHASHINI N
100	922121106098	SUGAPRIYA P
101	922121106099	SWETHA M
102	922121106100	SWETHA S
103	922121106101	VALARMATHI P
104	922121106102	VARNIGADEVI K
105	922121106103	VARSHA M
106	922121106105	VARSHINI M
107	922121106106	VASANTHA KUMAR P
108	922121106107	VEDHASRI S
109	922121106108	VELMURUGAN P
110	922121106109	VIGNESH V
111	922121106110	VIKASHINI K
112	922121106111	VISHNU PRIYA R
113	922121106112	YAKSHAGARAJ A G
114	922121106113	YUVASRI M



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MECH – NBA Accredited)  
Dindigul – Palani Highway, Dindigul – 624 002

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Name:

Reg no:

Year/sec/sem:

### MCQ

#### 1. The Main Objective(S) Of Industrial Robot Is To

- (A) To minimise the labour requirement
- (B) To increase productivity
- (C) To enhance the life of production machines
- (D) All of the above

#### 2-The following is true for a Robot and NC Machine

- (A) Similar power drive technology is used in both
- (B) Different feedback systems are used in both
- (C) Programming is same for both
- (D) All of the above

#### 3. Robot is derived from Czech word

- (A) Rabota
- (B) Robota
- (C) Rebota
- (D) Ribota

#### 4.A Robot is a

- (A) Programmable
- (B) Multi functional manipulator
- (C) Both (A) and (B)
- (D) None of the above

#### 5-Match the following

Robot part	Function
a. Manipulator arm	1. For holding a piece or tool
b. Controllers	2. Move the manipulator arm and end effector
c. Drives	3. Number of degrees of freedom of movement
d. Gripper	4. Delivers commands to the actuators

- (A) a-1, b-4, c-2, d-3
- (B) a-3, b-4, c-2, d-1
- (C) a-3, b-2, c-4, d-1
- (D) a-4, b-3, c-2, d-1

#### 6. Drives are also known as

- (A) Actuators
- (B) Controller
- (C) Sensors
- (D) Manipulator

#### 7. Clockwise of Anti clockwise rotation about the vertical axis to the perpendicular arm is provided through

- (A) Shoulder swivel
- (B) Elbow extension

- (C) Arm sweep
- (D) Wrist bend

**8. Radial movement (in & out) to the manipulator arm is provided by**

- (A) Elbow extension
- (B) Wrist bend
- (C) Wrist swivel
- (D) Wrist yaw

**9. Industrial Robots are generally designed to carry which of the following coordinate system(s).**

- (A) Cartesian coordinate systems
- (B) Polar coordinate systems
- (C) Cylindrical coordinate system
- (D) All of the above

**10-The Robot designed with Cartesian coordinate systems has**

- (A) Three linear movements
- (B) Three rotational movements
- (C) Two linear and one rotational movement
- (D) Two rotational and one linear movement

**11-The Robot designed with Polar coordinate systems has**

- (A) Three linear movements
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**12-The Robot designed with cylindrical coordinate systems has**

- (A) Three linear movements
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- (C) Two linear and one rotational movement
- (D) Two rotational and one linear movement

**13-Which of the following work is done by General purpose robot?**

- (A) Part picking
- (B) Welding
- (C) Spray painting
- (D) All of the above

**14-The following drive is used for lighter class of Robot.**

- (A) Pneumatic drive
- (B) Hydraulic drive
- (C) Electric drive
- (D) All of the above

**15-Internal state sensors are used for measuring \_\_\_\_\_ of the end effector.**

- (A) Position
- (B) Position & Velocity
- (C) Velocity & Acceleration
- (D) Position, Velocity & Acceleration

**16-Which of the following sensors determines the relationship of the robot and its environment and the objects handled by it**

- (A) Internal State sensors
- (B) External State sensors
- (C) Both (A) and (B)
- (D) None of the above

**17-Which of the following is not a programming language for computer controlled robot?**

- (A) AMU
- (B) VAL
- (C) RAIL
- (D) HELP

**18-In which of the following operations Continuous Path System is used**

- (A) Pick and Place
- (B) Loading and Unloading

- (C) Continuous welding
- (D) All of the above

**19. Who first introduced the word “robot”?**

- (A) Isaac Asimov
- (B) Karel Capek
- (C) Isaac Newton
- (D) R2-D2

**20. Where are tethered robots used most often?**

- (A) In an industrial plant
- (B) In a student robot
- (C) In military applications
- (D) In automotive applications

**TOTAL:20**

**ANSWERS:**

1-(B), 2-(C), 3-(D), 4-(A), 5-(B), 6-(A), 7-(C), 8-(A), 9-(D), 10-(A), 11-(D), 12-(C), 13-(D), 14-(A),  
15-(D), 16-(C), 17-(A), 18-(C), 19-(B), 20-(A)

VALUE ADDED COURSE ON "ROBOTICS,IOT & DRONES"

MULTIPLE CHOICE QUESTIONS

YEAR:II

TOTAL:20

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- (A) In an industrial plant
- (B) In a student robot
- (C) In military applications
- (D) In automotive applications

16/20

TOTAL:20



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### Department of Electronics and Communication Engineering

#### Technical Training on Robotics, Drones and IoT

February 13 – 17 ,2023

#### FEEDBACK FORM

Date:17.02.2023

Name of the Participant: M. CHINTHAI K KINIYAN

Year/Semester/Section: II / 4 / A

Mail ID: Chinthai.kiniyan@gmail.com

S.No	Question	Excellent	Good	Satisfactory
1	How would you rate the hands-on activities?	/		
2	Whether your expectation gets satisfied	/		
3	Whether the session was interactive		/	
4	Knowledge gained from this technical training is	/		
5	Did the training enlighten your mind		/	

What kind of training would you like to include in future?

PCB Designing and IOT and Drone technology

In particular, what was effective, meaningful and memorable to you?

DRONE PROJECT Was great we can't get chances like this so, this chance was greatful and Excellent

Any other suggestions

We would like to have more technology training like this.

Signature of the Participant



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February 13 – 17 ,2023

#### FEEDBACK FORM

Date:17.02.2023

Name of the Participant: P. Prasanna

Year/Semester/Section: II / 3<sup>rd</sup> sem / B

Mail ID: PrasanramPmrasanna@gmail.com

S.No	Question	Excellent	Good	Satisfactory
1	How would you rate the hands-on activities?	✓		
2	Whether your expectation gets satisfied	✓		
3	Whether the session was interactive	✓		
4	Knowledge gained from this technical training is		✓	
5	Did the training enlighten your mind	✓		

What kind of training would you like to include in future?

We want training like this IoT training. we want to develop skills in both th. Software and hardware. But we want much more time to learn more.

In particular, what was effective, meaningful and memorable to you?

Robotics, Arduino, Sensors. are very well learned.

Any other suggestions

P. Prasanna

Signature of the Participant



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### Department of Electronics and Communication Engineering

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February 13 – 17 ,2023

#### FEEDBACK FORM

Date: 17.02.2023

Name of the Participant: R. Selvamadhesvaran

Year/Semester/Section: 2nd / II / A

Mail ID:

S.No	Question	Excellent	Good	Satisfactory
1	How would you rate the hands-on activities?	/		
2	Whether your expectation gets satisfied	/		
3	Whether the session was interactive		/	
4	Knowledge gained from this technical training is	/		
5	Did the training enlighten your mind	/		

What kind of training would you like to include in future?

We need more hand activities

In particular, what was effective, meaningful and memorable to you?

Sense, think and act

Any other suggestions

R.S  
Signature of the Participant



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February 13 – 17 ,2023

#### FEEDBACK FORM

Date:17.02.2023

Name of the Participant: O. Kiran chellapenmal

Year/Semester/Section: 2nd / III A

Mail ID: Kiranchellapenmal112@gmail.com

S.No	Question	Excellent	Good	Satisfactory
1	How would you rate the hands-on activities?	/		
2	Whether your expectation gets satisfied	/		
3	Whether the session was interactive		/	
4	Knowledge gained from this technical training is	/		
5	Did the training enlighten your mind	/		

What kind of training would you like to include in future?

ourcup discussion and we need more physical activities. And need more time for these kind of training.

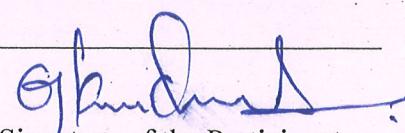
In particular, what was effective, meaningful and memorable to you?

Those words

SENSE, THINK, ACT

Any other suggestions

Waiting for the next Session

  
Signature of the Participant



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February 13 – 17 ,2023

#### FEEDBACK FORM

Date: 17.02.2023

Name of the Participant: K.Gowtham

Year/Semester/Section: II<sup>nd</sup> / A<sup>IV</sup> / A

Mail ID: gowtham.sachin75@gmail.com

S.No	Question	Excellent	Good	Satisfactory
1	How would you rate the hands-on activities?	/		
2	Whether your expectation gets satisfied	/		
3	Whether the session was interactive		/	
4	Knowledge gained from this technical training is		/	
5	Did the training enlighten your mind	/		

What kind of training would you like to include in future?

Indepth concept of IOT

In particular, what was effective, meaningful and memorable to you?

obstacle avoiding robot

Any other suggestions

NO

K.Gowtham

Signature of the Participant



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February 13 – 17 ,2023

#### FEEDBACK FORM

Date: 17.02.2023

Name of the Participant: M. Sri Ram

Year/Semester/Section: II year / IV / C

Mail ID: ram2002sri@gmail.com

S.No	Question	Excellent	Good	Satisfactory
1	How would you rate the hands-on activities?		/	
2	Whether your expectation gets satisfied	/		
3	Whether the session was interactive		/	
4	Knowledge gained from this technical training is		/	
5	Did the training enlighten your mind	/		

What kind of training would you like to include in future?

In depth concept and training about robotics

In particular, what was effective, meaningful and memorable to you?

Bluetooth control Robot

Any other suggestions

NO

M. Sri Ram  
Signature of the Participant



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February 13 – 17 ,2023

#### FEEDBACK FORM

Date:17.02.2023

Name of the Participant: K. Sooriya

Year/Semester/Section: II / IV / C

Mail ID: sooriyakannan823@gmail.com

S.No	Question	Excellent	Good	Satisfactory
1	How would you rate the hands-on activities?		✓	
2	Whether your expectation gets satisfied		✓	
3	Whether the session was interactive	✓		
4	Knowledge gained from this technical training is		✓	
5	Did the training enlighten your mind		✓	

What kind of training would you like to include in future?

More concept about hardware

In particular, what was effective, meaningful and memorable to you?

Line following robot

Any other suggestions

No

K. Sooriya  
Signature of the Participant



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February 13 – 17 ,2023

#### FEEDBACK FORM

Date: 17.02.2023

Name of the Participant: J. Farhan Naseem

Year/Semester/Section: II ECE A - IV sem

Mail ID: syedmohamedjalaludeen@gmail.com

S.No	Question	Excellent	Good	Satisfactory
1	How would you rate the hands-on activities?	✓		
2	Whether your expectation gets satisfied		✓	
3	Whether the session was interactive	✓		
4	Knowledge gained from this technical training is		✓	
5	Did the training enlighten your mind		✓	

What kind of training would you like to include in future?

I like to include a training about further information in drones, and IoT training

In particular, what was effective, meaningful and memorable to you?

This session was very useful in future. We experienced good innovative ideas and hands-on-activities.

Any other suggestions

Thanks for guiding us in past 5 days.  
Keep motivating us.

J. Farhan Naseem  
Signature of the Participant



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February 13 – 17 ,2023

#### FEEDBACK FORM

Date: 17.02.2023

Name of the Participant:

P. Sugapriya

Year/Semester/Section:

II year - C' section

Mail ID:

sugapriya5409@gmail.com

S.No	Question	Excellent	Good	Satisfactory
1	How would you rate the hands-on activities?	✓		
2	Whether your expectation gets satisfied	✓		
3	Whether the session was interactive	✓		
4	Knowledge gained from this technical training is	✓		
5	Did the training enlighten your mind	✓		

What kind of training would you like to include in future?

I like to include a training about IoT.

In particular, what was effective, meaningful and memorable to you?

In this session we experience a hands on training and learned a things to handle a projects.

Any other suggestions

Everything is excellent but I request to allot some more components for each batches.

P. Sugapriya  
Signature of the Participant



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February 13 – 17 ,2023

#### FEEDBACK FORM

Date: 17.02.2023

Name of the Participant: P. LAKSHMI PRIYA

Year/Semester/Section: II / IV / ECE-A .

Mail ID: lp114094@gmail.com .

S.No	Question	Excellent	Good	Satisfactory
1	How would you rate the hands-on activities?		✓	
2	Whether your expectation gets satisfied		✓	
3	Whether the session was interactive	✓		
4	Knowledge gained from this technical training is	✓		
5	Did the training enlighten your mind		✓	

What kind of training would you like to include in future?

IOT training and Drone

In particular, what was effective, meaningful and memorable to you?

Drone was effective and memorable.  
and Robotics are meaningful

Any other suggestions

P. Lakshmi Priya  
Signature of the Participant



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in association with

## VILLAGE TECHNOLOGY SCHOOL

CERTIFICATE

— OF COMPLETION —

This is to certify that

Mr./Ms. KISHORE KANNAN H..... of .....

..... Year has Participated in the 5 days Boot Camp on

“ROBOTICS, IOT & DRONES” From 13.02.2023 to 18.02.2023



T.S. Balaji

Mr.Balaji Thiru

CEO & Founder  
Village Technology School

Dr. S.Karthigai Lakshmi

Head of Department - ECE  
SSMIET

A.H.J

Dr.D.Senthil Kumaran

Principal  
SSMIET



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— OF COMPLETION —

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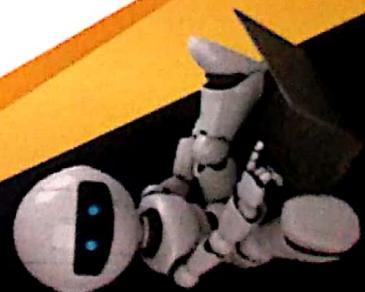
Mr./Ms..... LAKSHMI PRITYA .. P.....  
..... 1/..... Year has Participated in the 5 days Boot Camp on

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Dr.D.Senthil Kumar  
Principal  
SSMIET

Dr. S.Karthigai Lakshmi  
Head of Department - ECE  
SSMIET

Mr.Balaji Thiru  
CEO & Founder  
Village Technology School





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Mr./Ms.....LQAEESH.....K..... of .....

..... Year has Participated in the 5 days Boot Camp on

“ROBOTICS, IOT & DRONES” From 13.02.2023 to 18.02.2023

  
**Mr. Balaji Thiru**

**CEO & Founder**  
Village Technology School

  
**Dr. S. Karthigai Lakshmi**

**Head of Department - ECE**  
SSMIET

  
**Dr. D. Senthil Kumaran**

**Principal**  
SSMIET

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**GRADUATION**

— OF COMPLETION —

*This is to certify that*

Mr./Ms..... Pooja M..... of .....

..... Year has Participated in the 5 days Boot Camp on

“ROBOTICS, IOT & DRONES” From 13.02.2023 to 18.02.2023

**Mr. Balaji Thiru**  
CEO & Founder  
Village Technology School

**Dr. S. Karthigai Lakshmi**  
Head of Department - ECE  
SSMIET

**Dr. D. Senthil Kumaran**  
Principal  
SSMIET



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CELESTIAL EDUCATION  
— OR COMPLETION —

This is to certify that

Mr./Ms.....S.V.RASHI.....NATRAYAN..R..... of

.....II..... Year has Participated in the 5 days Boot Camp on

“ROBOTICS, IOT & DRONES” From 13.02.2023 to 18.02.2023



T. S. Rashi

Mr.Balaji Thiru

CEO & Founder  
Village Technology School

S. Lakshmi

Dr. S.Karthigai Lakshmi

Head of Department - ECE  
SSMIET

A. J. Kumaran

Dr.D.Senthil Kumaran  
Principal  
SSMIET

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**CERTIFICATE**

— OF COMPLETION —

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Mr./Ms..... YARSHINI..... M..... of

..... Year has Participated in the 5 days Boot Camp on

“ROBOTICS, IOT & DRONES” From 13.02.2023 to 18.02.2023

**Dr. D. Senthil Kumaran**  
Principal  
SSMIET

**Dr. S. Karthigai Lakshmi**  
Head of Department - ECE  
SSMIET

**Mr. Balaji Thiru**  
CEO & Founder  
Village Technology School

