



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

Event Name: Workshop on Robotics

Date: 05.09.2018

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Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

SSMIET/ Circular/ Mech/ 2018-2019

Dt: 28.08.2018

CIRCULAR

We are happy to inform that Department of Mechanical Engineering will be organizing Workshop “Robotics”, on 5th September 2018 (Wednesday) at New Seminar Hall. Interested students and staff members are requested to attend the program.


Event-Coordinator

[M. SABAREESAN]


HoD / Mech

PRINCIPAL

Copy to:

All the HoD (To be circulated among all the staff Members and students)

Copy to Noticeboard

About the Program

The main objective of the workshop is to make the aspiring engineers acquainted with the conceptual as well as practical knowledge of Robotics. It is one of the Latest Technology which has changed our lifestyle. We all know that tomorrow's engineers, scientists, designers and problem solvers need the best tools to build their futures. Robotics is one among them. Here, students will be able to experiment better with their design concepts and test their engineering visions, truly understanding why a part worked or why it didn't. Robotics can change the whole learning dynamic for the students.

Workshop Highlights

1. Introduction to Basic Electronics and Robotics.
2. Introduction to Arduino and its software.
3. Design practice.
4. Introduction to sensors and actuators.
5. Robotic ideas and solution.
6. New problem statement given, ideation and solution planning (group activity, will define problems that will need small and quick solutions)



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Event Name: Workshop on Robotics

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Student Name List

S.No	Reg.No	Name of the Student	S.No	Reg.No	Name of the Student
1	922115114002	ABHISHEK S	35	922115114310	PARTHASARATHY S
2	922115114006	AMJATH KAHN M	36	922115114311	PRABU KUMAR M
3	922115114007	ARUN KUMAR T	37	922115114313	RAVIKIRAN B
4	922115114011	BABU D	38	922115114316	SURESH S
5	922115114012	BALAGURU K	39	922115114318	TAMIL MANI A
6	922115114018	DINESH KUMAR M	40	922115114703	MOTHILAL SANJAY
7	922115114021	GANESH KUMAR P			
8	922115114027	HENRY IMMANUVEL D			
9	922115114034	KARTHIKEYAN A			
10	922115114053	NAVANEETHAN B S			
11	922115114057	NIRMAL KUMAR R			
12	922115114060	PARTHASARATHI R			
13	922115114061	PARTHIBAN B			
14	922115114065	PRAKANTH Y			
15	922115114075	RAMAKRISHNAN S			
16	922115114078	RAM KUMAR SABARI V			
17	922115114093	SIVAKUMAR C			
18	922115114094	SIVARANJAN R			
19	922115114100	SURYA M			
20	922115114103	THIRUMALAISAMY M			
21	922115114104	THIRUMURUGAN M			
22	922115114107	VENGATESWARAN M			
23	922115114109	VENKATESWARAN S			
24	922115114110	VIGNESH M			
25	922115114113	VIJAYA PRASATH N			
26	922115114114	VIJAYA VIGNESWARAN			
27	922115114116	VISHNU SURYA			
28	922115114117	VISWANATH S			
29	922115114118	YUVARAJ K			
30	922115114301	AJITH KUMAR T S			
31	922115114302	ANAND A			
32	922115114305	DAVID XAVIER S			
33	922115114307	KHADAR ARAFATH I			
34	922115114308	MAHENDRAN T			


05/09/2018
Event-Coordinator


05/09/2018
HoD / MECH



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1	922115114002	ABHISHEK S	Abhishek S
2	922115114006	AMJATH KAHN M	Amjath Kahn M
3	922115114007	ARUN KUMAR T	Arun Kumar T
4	922115114011	BABU D	Babu D
5	922115114012	BALAGURU K	Balaguru K
6	922115114018	DINESH KUMAR M	M. Dinesh Kumar
7	922115114021	GANESH KUMAR P	Ganesh Kumar P
8	922115114027	HENRY IMMANUVEL D	Henry Immanuel D
9	922115114034	KARTHIKEYAN A	Karthikeyan A
10	922115114053	NAVANEETHAN B S	Navaneethan B.S
11	922115114057	NIRMAL KUMAR R	Nirmal Kumar R
12	922115114060	PARTHASARATHI R	Parthasarathi R
13	922115114061	PARTHIBAN B	Parthiban B
14	922115114065	PRAKANTH Y	Y. PRAKANTH
15	922115114075	RAMAKRISHNAN S	Ramakrishnan S
16	922115114078	RAM KUMAR SABARI V	Ram Kumar Sabari V
17	922115114093	SIVAKUMAR C	Sivakumar C
18	922115114094	SIVARANJAN R	Sivaranjan R
19	922115114100	SURYA M	Surya M
20	922115114103	THIRUMALAISAMY M	Thirumalaisamy M
21	922115114104	THIRUMURUGAN M	Thirumurugan M
22	922115114107	VENGATESWARAN M	Vengateswaran M
23	922115114109	VENKATESWARAN S	Venkateswaran S
24	922115114110	VIGNESH M	Vignesh M
25	922115114113	VIJAYA PRASATH N	Vijaya Prasath N
26	922115114114	VIJAYA VIGNESWARAN A	Vijaya Vigneswaran A
27	922115114116	VISHNU SURYA PRAKASH S	Vishnu Surya Prakash S
28	922115114117	VISWANATH S	Viswanath S
29	922115114118	YUVARAJ K	Yuvaraj K
30	922115114301	AJITH KUMAR T S	Ajith Kumar T S
31	922115114302	ANAND A	Anand A
32	922115114305	DAVID XAVIER S	David Xavier S
33	922115114307	KHADAR ARAFATH I	Khadar Arafath I
34	922115114308	MAHENDRAN T	Mahendran T
35	922115114310	PARTHASARATHY S	Parthasarathy S
36	922115114311	PRABU KUMAR M	M. Prabhu Kumar
37	922115114313	RAVIKIRAN B	Ravikiran B
38	922115114316	SURESH S	Suresh S
39	922115114318	TAMIL MANI A	Tamil Mani A
40	922115114703	MOTHILAL SANJAY E(2018-19)	Mothilal Sanjay E

Event-Coordinator

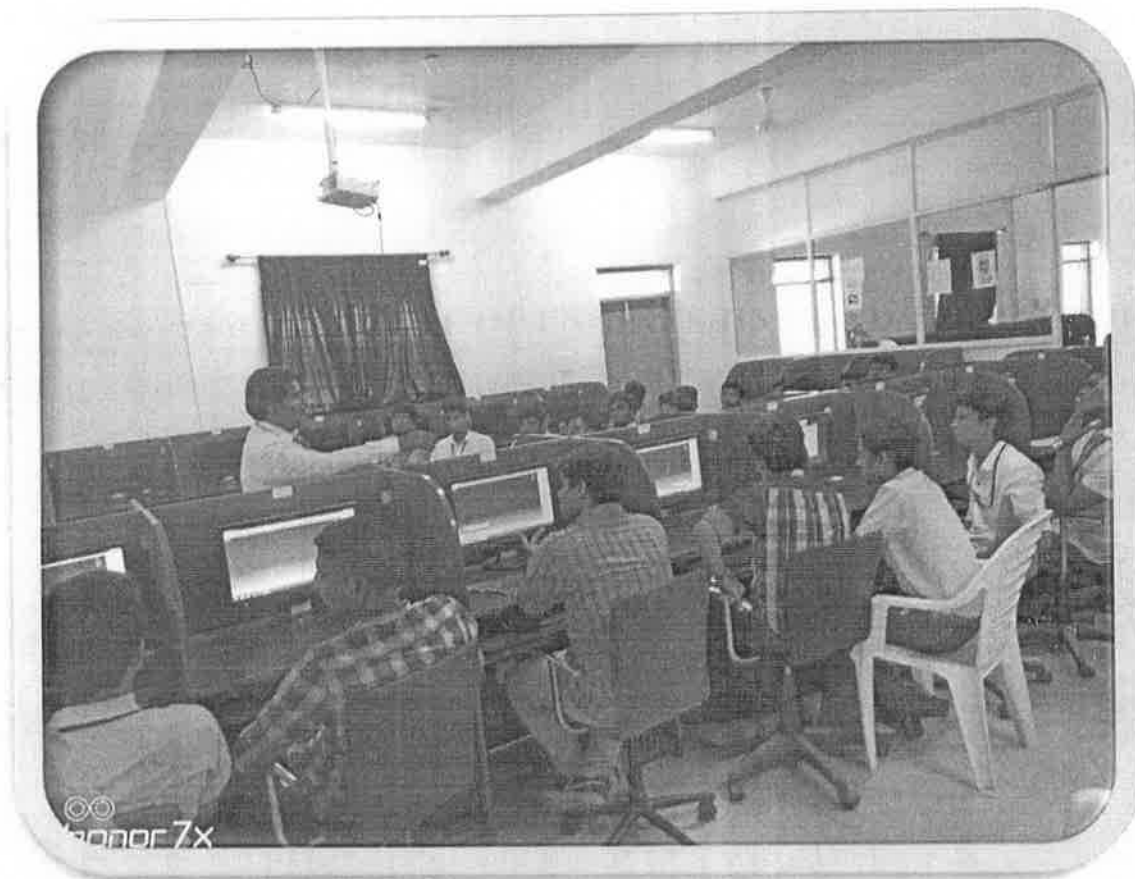
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In the first session students got familiar with the term Robot, how to identify whether a machine is a Robot or an autonomous bot, Robotics, Aspects of Robotics, philosophy of AI (Artificial Intelligence), Brief on Machine Learning and types of Robots. Informative videos from Boston Dynamics were shown to students. In the meantime, students were free to ask any questions regarding the domain if they had any doubt about any topics explained. Students without any hesitation asked questions and after hearing answers from our presenters they were satisfied. Overall student learnt the basics of working with Arduino and gained basic knowledge of various Arduino development boards; Programming environment; onboard features of Arduino Uno



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Dindigul-Palani Highway, Dindigul-624002

Department of Mechanical Engineering

Certificate of Participation

This is to certify that Mr. / Ms. _____

of _____

has participated in the one day Workshop on

" Robotics " organized by the Department of Mechanical Engineering, SSM Institute of Engineering and Technology,

Dindigul on 05.09.2018

Dr.G.Sankaranarayanan

*Professor and Head /
Mech.Engg*

Dr.M.Saravanan

Principal,SSMIET



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul- Palani Highway, Dindigul – 624 002.

Department of Mechanical Engineering

Name of the Student : ANAND A. (Optional)

Event Title : ROBOTICS.

Date : 5.9.2018.

Please respond to the following questions by ticking one box only for each question. if you have any criticism or suggestions for improvement. Your views are very important and will help us to improve our events, facilities, etc.

Section 1 – Event

Scoring Example

5	4	3	2	1
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1. Information provided at this event is relevant to you

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
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2. You are likely to use this information in the future

High	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	--------------------------	-------------------------------------	--------------------------	--------------------------	--------------------------	-----

3. Presentations were interesting

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

4. You would recommend this event to others

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

5. Overall, the event was worthwhile

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

6. The venue was suitable

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LOW
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

7. Comments/ suggestions (If any)

ANAND A.
Signature



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Department of Mechanical Engineering

Name of the Student : Vignesh M (Optional)

Event Title : workshop on Robotics

Date : 05/09/21

Please respond to the following questions by ticking one box only for each question. if you have any criticism or suggestions for improvement. Your views are very important and will help us to improve our events, facilities, etc.

Section 1 – Event

Scoring Example

5	4	3	2	1
---	---	---	---	---

1. Information provided at this event is relevant to you

High		✓				LOW
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2. You are likely to use this information in the future

High	✓					LOW
------	---	--	--	--	--	-----

3. Presentations were interesting

High		✓				LOW
------	--	---	--	--	--	-----

4. You would recommend this event to others

High	✓					LOW
------	---	--	--	--	--	-----

5. Overall, the event was worthwhile

High		✓				LOW
------	--	---	--	--	--	-----

6. The venue was suitable

High	✓					LOW
------	---	--	--	--	--	-----

7. Comments/ suggestions
(If any)

It is very useful

M Vignesh
Signature



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Department of Mechanical Engineering

Name of the Student : Yuvraj k (Optional)

Event Title : Workshop on Robotics

Date : 05-09-2018

Please respond to the following questions by ticking one box only for each question. if you have any criticism or suggestions for improvement. Your views are very important and will help us to improve our events, facilities, etc.

Section 1 – Event

Scoring Example

5	4	3	2	1
---	---	---	---	---

1. Information provided at this event is relevant to you

High		<input checked="" type="checkbox"/>				LOW
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2. You are likely to use this information in the future

High	<input checked="" type="checkbox"/>					LOW
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3. Presentations were interesting

High			<input checked="" type="checkbox"/>			LOW
------	--	--	-------------------------------------	--	--	-----

4. You would recommend this event to others

High		<input checked="" type="checkbox"/>				LOW
------	--	-------------------------------------	--	--	--	-----

5. Overall, the event was worthwhile

High	<input checked="" type="checkbox"/>					LOW
------	-------------------------------------	--	--	--	--	-----

6. The venue was suitable

High	<input checked="" type="checkbox"/>					LOW
------	-------------------------------------	--	--	--	--	-----

7. Comments/ suggestions (If any)

Nil

Yuvraj
Signature



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Department of Mechanical Engineering

Name of the Student : Babu D (Optional)

Event Title : Workshop on Robotics

Date : 05.09.18

Please respond to the following questions by ticking one box only for each question. if you have any criticism or suggestions for improvement. Your views are very important and will help us to improve our events, facilities, etc.

Section 1 – Event

Scoring Example

5	4	3	2	1
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1. Information provided at this event is relevant to you

High		<input checked="" type="checkbox"/>				LOW
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2. You are likely to use this information in the future

High	<input checked="" type="checkbox"/>					LOW
------	-------------------------------------	--	--	--	--	-----

3. Presentations were interesting

High			<input checked="" type="checkbox"/>			LOW
------	--	--	-------------------------------------	--	--	-----

4. You would recommend this event to others

High	<input checked="" type="checkbox"/>					LOW
------	-------------------------------------	--	--	--	--	-----

5. Overall, the event was worthwhile

High				<input checked="" type="checkbox"/>		LOW
------	--	--	--	-------------------------------------	--	-----

6. The venue was suitable

High	<input checked="" type="checkbox"/>					LOW
------	-------------------------------------	--	--	--	--	-----

7. Comments/ suggestions (If any)

Still more interesting event to be conducted and more interactive with fun.

Babu
Signature



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Department of Mechanical Engineering

Name of the Student : SURESH S (Optional)

Event Title : Workshop on Robotics

Date : 5/9/18

Please respond to the following questions by ticking one box only for each question. If you have any criticism or suggestions for improvement. Your views are very important and will help us to improve our events, facilities, etc.

Section 1 – Event

Scoring Example

5	4	3	2	1
---	---	---	---	---

1. Information provided at this event is relevant to you

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
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2. You are likely to use this information in the future

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

3. Presentations were interesting

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

4. You would recommend this event to others

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

5. Overall, the event was worthwhile

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

6. The venue was suitable

High	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Low
------	-------------------------------------	--------------------------	--------------------------	--------------------------	--------------------------	-----

7. Comments/ suggestions (If any)

S. Suresh

Signature