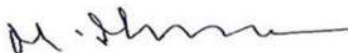


**Report On**  
**Three-Day Workshop on**  
**“Internet of Things (IoT) for**  
**Mechanical Engineers”**

**held on 18th – 20th February 2019**

**Organized by**

**DEPARTMENT OF MECHANICAL ENGINEERING**



**Dr. M. Mohandass**  
**Coordinator**



**Dr. S. RAMESH BABU, M.E., Ph.D**  
**Professor & Head**  
Department of Mechanical Engineering  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur (TK) - 602117.  
Tamilnadu, INDIA.

**Dr. S. Ramesh Babu**  
**Convenor**

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06/1/2019

SVCE

Sri Venkateswara College of Engineering  
Department of Mechanical Engineering

Submitted to the Principal:

Sub: Request for conducting Three Day workshop on "IoT using Arduino for Mechanical Engineers"-reg.

The Internet of Things allows Mechanical Engineers to follow the products they design throughout their entire product lifecycle, enabling engineers to learn how their design performs in reality so they can create more productive and efficient products in the future. By utilizing the cloud, IoT platforms, smart product components, big data, and connectivity, engineers will steer the future of industrial innovation. IoT is the technology engineers need to gain valuable insights and ultimately to improve designs. With IoT, there's enormous potential for Mechanical Engineers to design better, smarter products. The growing network of connected products means a new set of mechanical engineering skills. To design smart products, Mechanical Engineers will need to learn how to seamlessly integrate digital and mechanical aspects, and how to influence big data to inform future designs.

The guest lecture on "Internet of Things for Mechanical Engineers" has been arranged on 22<sup>nd</sup> January 2019 (delivered by Mr. A.Parthiban from Lema Labs (incubated at IIT Madras incubation cell) for second year and third year Mechanical Engineering students. Many students (around 62 students) showed interest on IoT and requested us for arrange the short term training/workshop on IoT in our premises.

Based on the students request, it is proposed to conduct the Three Day workshop on IoT using Arduino for Mechanical Engineers on 13<sup>th</sup>, 14<sup>th</sup> & 15<sup>th</sup> February 2019 for the batch of first 31 students and 18<sup>th</sup>, 19<sup>st</sup> & 20<sup>th</sup> February 2019 for the remaining 31 students.

The fee details are as follows (as given by MS. Lema Labs),

- With Training resource materials **with take away kit - Rs. 2500/-** per candidate.
- With Training resource materials **without take away kit - Rs. 1500/-** per candidate.

The Principal's kind permission is required for conducting the programme and to utilize imprest amount for providing refreshment to workshop attendees.

Thanking you,



(Dr. M. MOHANDASS)  
Asso. Professors/ME  
Workshop Coordinator



Dr. S. RAMESH BABU  
HOD/ME  
Workshop Convener

To, HOD-ME  
Approved based on the  
fact that the students wanted to  
have the training  
Ramesh  
8/2/19

## REGISTRATION DETAILS:

Participants for this event are limited to 35 members and the selection is based on first come first serve basis. Hence, participants must register for the workshop to ensure their participation through email.

**Registration fee:** Rs. 2500/- (with kit)

: Rs. 1500 /- (without kit)

**Deadline for registration:** 12-02-2019

**Intimation of confirmation:** 15-02-2019

The payment can in the form of DD drawn in favour of “The Principal, Sri Venkateswara College of Engineering” payable at Chennai and send it by post/courier to reach ‘The Coordinator of the event’ on or before 15-02-2019.

### Email id:

mdass@svce.ac.in, karthee@svce.ac.in

**Contact numbers :** 9445235139, 9994385896

### Address for correspondence

Department of Mechanical Engineering  
Sri Venkateswara College of Engineering



## TARGETED PARTICIPANTS

Students from Mechanical discipline

## RESOURCE PERSON

Eminent resource persons from LEMA labs, Chennai.

## TOPICS COVERED

Introduction to IoT and its need, Basics of ARDUINO & related programming required for developing a basic IoT based system, APP creation using MIT App inventor, Creating connection and controlling devices through internet using ARDUINO, Case studies.

## ADVISORY COMMITTEE:

**Dr.M.Sivanadham,**

Secretary - SVCE

**Dr. S.Ganesh Vaidyanathan,**

Principal – SVCE

**Dr. S.Ramesh Babu,**

HOD – Dept. of Mechanical Engineering.

## THREE DAY WORKSHOP

ON

## INTERNET OF THINGS USING ARDUINO

(February 18 -20, 2019)

### Convenor

Dr.S.Ramesh Babu, HoD/ME

### Coordinators

Dr.M.Mohandass, ASP/ME

Mr.K.Karthee, AP/ME

### Organised by



Department of Mechanical Engineering  
Sri Venkateswara College of Engineering  
(Autonomous - Affiliated to ANNA University)

Sriperumbudur tk - 602 117

www.svce.ac.in





# THREE DAY WORKSHOP ON INTERNET OF THINGS USING ARDUINO

(February 18 -20, 2019)

## REGISTRATION FORM

NAME :

YEAR & SEC :

INSTITUTION :

PHONE/ MOBILE:

EMAIL ID :

AMOUNT : CASH /DD

DD NUMBER WITH DATE:

BANK BRANCH :

PLACE:

DATE : SIGNATURE OF  
THE APPLICANT

## ABOUT THE COLLEGE

Sri Venkateswara College of Engineering (SVCE), a premier self-financing engineering college, was started in the year 1985 and is managed by Sri Venkateswara Educational and Health Trust. The college conducts 10 B.E / B.Tech Degree courses and 10 PG Courses in Engineering and Technology. The college is autonomous and affiliated to Anna University, Chennai and is accredited by National Assessment and Accreditation Council (NAAC) and also by National Board of Accreditation (NBA).

## ABOUT THE DEPARTMENT

The Department of Mechanical Engineering is one of the three major departments established during the beginning of the college. The department has well experienced faculty and staff members of proven ability and administrative skills. It has well equipped state of the art laboratories that cater to the needs of the students. The department also takes up industrial consultancy works from various industries. Three PG and one UG programmes are currently offered by the department.

## ABOUT THE WORKSHOP

The Internet of Things (IoT) is the latest buzzword being talked about everywhere, yet many don't fully understand the concept behind the phrase or where this technology is currently at. Widely believed to be years away, the Internet of Things is here, and it's rapidly expanding. . The implementation of IoT would dramatically improve the problem of data collection and analysis, whether derived from customers or other sources, which in turn means faster and improved decision-making for businesses in all industries. This workshop's important objective is to make the students learn how IoT can be implemented related to mechanical engineering especially in manufacturing sector through hands on approach.



**Department of Mechanical Engineering  
Sri Venkateswara College of Engineering  
Three-Day Workshop on “Internet of Things (IoT) using Arduino”**

**DETAILED SCHEDULE**

**Venue: Mechatronics Lab (II Floor Mechanical Block) Date:18<sup>th</sup> – 20<sup>th</sup> February 2019**

DATE	SESSION	TIMING	TOPIC /DETAILS	Chief Guest/Expert Member
18/02/19		8.30 AM - 9.00 AM	<b>Registration</b>	
		9.00 AM - 9.30 AM	<b>Inauguration</b>	Dr. R.Ramesh, Professor & Assistant Dean (Academic), SVCE. (Chief Guest)
	1	9.30 AM - 10.30 AM	Why IoT & IoT over Intranet	Expert Members from Lema Labs
		10.30 AM - 10.45 AM	<b>Tea &amp; Snacks</b>	
	2	10.45 AM -12.05 PM	Basics of HTML Programming	Expert Members from Lema Labs
		12.05 PM - 12.45 PM	<b>Lunch Break</b>	
	3	12.45 PM - 2.00 PM	Basics of Arduino & its Programming	Expert Members from Lema Labs
		2.00 PM - 2.15PM	<b>Tea &amp; Snacks</b>	
	4	2.10 PM - 3.15 PM	Basics of Arduino Programming (Cont.)	Expert Members from Lema Labs
		3.15 PM - 4.00 PM	Doubt clarification and discussions of covered topics	Expert Members from Lema Labs

19/02/19	1	9.00 AM - 10.30 AM	How to create server and client	Expert Members from Lema Labs
		10.30 AM - 10.45 AM	<b>Tea &amp; Snacks</b>	
	2	10.45 AM - 12.05 PM	Creating Android Apps using MIT App inventor	Expert Members from Lema Labs
		12.05 PM - 12.45 PM	<b>Lunch Break</b>	
	3	12.45 PM - 2.00 PM	Controlling Devices over the internet using MQTT	Expert Members from Lema Labs
		2.00 PM - 2.15PM	<b>Tea &amp; Snacks</b>	
	4	2.10 PM - 3.15 PM	Controlling Devices over the internet using MQTT (Cont.)	Expert Members from Lema Labs
		3.15 PM - 4.00 PM	Doubt clarification and discussions of covered topics	Expert Members from Lema Labs
20/02/19	1	9.00 AM - 10.30 AM	Split into 9 teams and each team assigned with a different project	Expert Members from Lema Labs
		10.30 AM - 10.45 AM	<b>Tea &amp; Snacks</b>	
	2	10.45 AM - 12.05 PM	Team developed code for the given project	Expert Members from Lema Labs
		12.05 PM - 12.45 PM	<b>Lunch Break</b>	
	3	12.45 PM - 2.00 PM	Executed the project and presented to other members	Expert Members from Lema Labs & SVCE Faculties
		2.30 PM - 2.45PM	<b>Tea &amp; Snacks</b>	
		2.45 PM - 3.15 PM	<b>Valedictory</b>	Dr. K.S. Badrinathan Professor & Dean Educational Development SVCE.

Expert Members from Lema Labs : Mr. Pawan Gnana Raj (Facilitator), Mr. Parthiban A (Facilitator) & two Assisting staffs (for software installation, connection establishment & hardware troubleshooting)



iot workshop inaugural invitation

Compose

Mail

Inbox 14,863

Starred

Snoozed

Sent

Drafts 75

Categories

3D Printer 1

Assistant HOD

Aurdino

Block Monitoring

Center of Excellence

CO 1

Feed back by students

Hod Mech 9

Hydraulics and Pneuma...

Chat

Spaces

Meet

----- Forwarded message -----

From: **Dr. M. MOHANDASS Mec** <[mdass@svce.ac.in](mailto:mdass@svce.ac.in)>

Date: Fri, 15 Feb 2019 at 11:48

Subject: Inaugural function of "Three Day Workshop on IoT using Arduir

To: HOD MECH <[hodme@svce.ac.in](mailto:hodme@svce.ac.in)>

Dear Sir,

Kindly forward this mail to svce faculty group.

Dear Sir/Madam,

The Department of Mechanical Engineering cordially invites you for In

Please find the attachment is the invitation for the same.

*With Regards*

*Dr.M. Mohandass*

*Associate Professor*

*Department of Mechanical Engineering*

*Sri Venkateswara College of Engineering*

*Pennalur, Sriperumbudur (TK)*





**SRI VENKATESWARA COLLEGE OF ENGINEERING**

**(An Autonomous Institution – Affiliated to Anna University)**

**Pennalur, Sriperumbudur (TK) – 602 117**



**DEPARTMENT OF  
MECHANICAL ENGINEERING**

Solicit your esteemed presence for the

**INAUGURAL FUNCTION**

of

*Three Day Workshop on*

***INTERNET OF THINGS***

***USING ARDUINO***

**Inaugural Address by**

***Dr. R.Ramesh***

*Professor & Asst. Dean (Academic)*

*Sri Venkateswara College of Engineering*

**Venue : Mechatronics Lab (ME Dept.)**

**Date : 18<sup>th</sup> February 2019**

**Timing : 9.00 AM -9.30 AM**

***ALL ARE WELCOME***

# Three Day Workshop on Internet of Things Using Arduino

## Inaugural Function

Date: 20<sup>th</sup> February 2019

Timings – 9.00 AM to 9.30 AM

### Program Schedule

Invocation	:	<b>Prayer</b>
Welcome Address	:	<b>Dr. M. Mohandass</b> Workshop Coordinator
HOD Address	:	<b>Dr. S. Ramesh Babu</b> Professor & Head Department of Mechanical Engineering
Inaugural Address	:	<b>Dr. R.Ramesh</b> Professor & Asst. Dean Academic Sri Venkateswara College of Engineering
Honouring Chief Guest	:	<b>Dr. S. Ramesh Babu,</b> Professor & Head Department of Mechanical Engineering
Vote of Thanks		<b>Mr. K. Karthee</b> Workshop Coordinator
National Anthem		

**Department of Mechanical Engineering**  
**Sri Venkateswara College of Engineering**  
**Three-Day Workshop on**  
**“Internet of Things (IoT) using Arduino”**  
**(18<sup>th</sup> – 20<sup>th</sup> February 2019)**

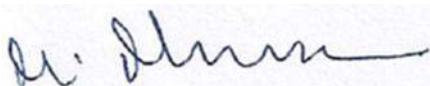
**DETAILED REPORT**

The Department of Mechanical Engineering organized a Three Day workshop on “**Internet of Things (IoT) using Arduino**” from 18<sup>th</sup> to 20<sup>th</sup> February 2019. The program was inaugurated by, Dr.R.Ramesh, Professor & Assistant Dean (Academic), SVCE and the same was presided over by Dr. S. Ramesh Babu, Professor & Head, Mechanical Engineering.

The inaugural function of the workshop held on 18<sup>th</sup> February 2019 at 9.00 AM in the Mechatronics Laboratory, Mechanical Engineering Department. Dr. M. Mohandass, Associate Professor (one of the program coordinators) delivered the welcome address. Dr. S. Ramesh Babu HOD/ME, during his presidential address he elaborated the importance and need for this workshop. Dr. R.Ramesh, during the inaugural address, he explained role of IoT in Industry 4.0 and how it is need of the hour to learn IoT now. Finally Mr.K.Karthee, Assistant Professor (one of the program coordinator) presented the vote of thanks.

The second year Mechanical Engineering students from our college participated in the workshop. In total 38 participants registered for the program. The attendees actively participated in all the sessions and also had a very good interaction with the expert members. Individual kits are provided to each students which aided them to learn in a better way and also provided hands on experience.

The valedictory function of the workshop held on 20<sup>th</sup> February 2019 at 2.45 PM at Mechatronics laboratory. Dr. K.S. Badrinathan, Professor & Dean Educational Development has delivered the valedictory speech, during his valedictory address, he insisted the participants to practice whatever they have learnt during the three days and advised to take up projects in this area. All the participants appreciated the way in which the program was organised, the hospitality provided to them and requested us to organise similar workshops in the near future. The series of lecture topics, speakers details and photographs are attached herewith.



**Dr. M. Mohandass & Mr.K.Karthee**  
**Workshop Coordinators**



**Dr. S. Ramesh Babu**  
**Workshop Convenor**

**Department of Mechanical Engineering**  
**Sri Venkateswara College of Engineering**  
**Three Day Workshop on IoT using Arduino**  
**18<sup>th</sup> – 20<sup>th</sup> February 2019**

**List of Participants**

SNo	Roll No	Register Number	Name
1	103	171001103	Srivatshan Seshadri
2	81	171001081	P. Rishi
3	110	171001110	S.K Syed Afridhis
4	123	171001123	R.yokesh
5	68	171001068	A. Prathap
6	74	171001074	Raaghul V
7	77	171001077	Rajkumar S P
8	22	171001022	T.Ashwin
9	7	171001007	Ajay.E
10	14	171001025	Barath Kumar.S
11	14	171001014	Aravinda Krishna V
12	2	171001002	A.Aakash
13	39	171001039	K.Hariharan
14	53	171001053	J.G Mohan
15	28	171001028	S.Che Ram Chandhru
16	32	171001032	Dhruv S
17	33	171001033	Dineshraj.P
18	52	171001052	A.Mohammed Safi
19	27	171001027	Bragadeeeshwar C
20	30	171001030	Deeveish V
21	59	171001059	Naveen Kumar M
22	5	171001005	Adityajeganath.k
23	29	171001029	Chinnaraja Karthikeyan.A.M
24	6	171001006	AJAI R.G
25	34	171001034	Gagan Agarwal
26	60	171001060	Naveen S
27	46	171001046	Justin Rejimone
28	36	171001036	T.C.Giridaran
29	55	171001055	Mrinal .M.Ajay
30	51	171001051	Lokeshwaran A
31	304	171001304	S.Ganesh
32	1	171001001	Aadithyabala . B
33	54	171001054	N.Moneesh
34	84	171001084	Rohan Adhikari.P
35	115	171001115	R.Vignesh
36	71	171001071	S.Praveen Kumar
37	78	171001078	K.Ramanathan
38	62	171001062	B.Nishanthan



**Dr. M. Mohandass**

**Coordinator**



**Dr. S. RAMESH BABU, M.E., Ph.D**  
**Professor & Head**  
**Department of Mechanical Engineering**  
**Sri Venkateswara College of Engineering**  
**Pennalur, Sriperumbudur (TK) - 602117.**  
**Tamilnadu, INDIA.**

**Convener**



**ATTENDANCE FOR WORKSHOP - INTERNE OF THINGS (IoT) USING ARDUINO**

SNo	No	Number	Name	18/02/19 (FN)	18/02/19 (AN)	19/02/19 (FN)	19/02/19 (AN)	20/02/19 (FN)	20/02/19 (AN)
1	103	171001103	Srivatshan Seshadri	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
2	81	171001081	P. Rishi	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
3	110	171001110	S.K Syed Afridhis	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
4	123	171001123	R.yokesh	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
5	68	171001068	A. Prathap	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
6	74	171001074	Raaghu! V	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
7	77	171001077	Rajkumar S P	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
8	22	171001022	T.Ashwin	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
9	7	171001007	Ajay.E	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
10	14	171001025	Barath Kumar.S	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
11	14	171001014	Aravinda Krishna V	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
12	2	171001002	A.Aakash	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
13	39	171001039	K.Hariharan	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
14	53	171001053	J.G Mohan	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
15	28	171001028	S.Che Ram Chandhru	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
16	32	171001032	Dhruv S	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
17	33	171001033	Dineshraj.P	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
18	52	171001052	A.Mohammed Safi	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
19	27	171001027	Bragadeeeshwar C	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
20	30	171001030	Deeveish V	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
21	59	171001059	Naveen Kumar m	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
22	5	171001005	Adityajeganath k	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
23	29	171001029	Chinneraja Karthikeyan.A.M	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
24	6	171001006	AJAI R.G	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
25	34	171001034	Gagan Agarwal	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
26	60	171001060	Naveen S	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
27	46	171001046	Justin Rejimone	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
28	36	171001036	T.C.Giridaran	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
29	55	171001055	Mrinal .M.Ajay	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
30	51	171001051	Lokeshwaran A	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
31	304	171001304	S.Ganesh	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
32	1	171001001	Aadithyabala . B	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
33	54	171001054	N.Moneesh	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
34	84	171001084	Ronan Adhikari.P	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
35	115	171001115	R.Vignesh	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
36	71	171001071	S.Praveen Kumar	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
37	78	171001078	K.Ramanathan	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]
38	62	171001062	B.Nishanthan	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]	[Signature]

*[Handwritten Signature]*

**Dr. M. Mohandss**  
**Asso. Prof./Mech**  
**Coordinator**

*[Handwritten Signature]*

**Dr. S. Ramesh Babu**  
**Prof. & Head/Mech**  
**Convener**

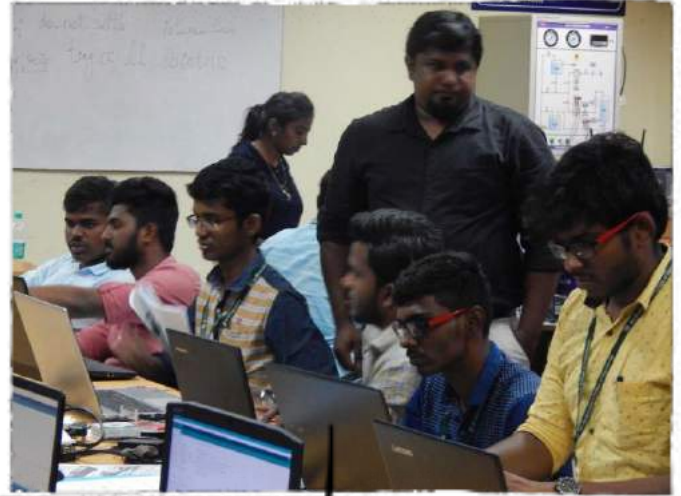
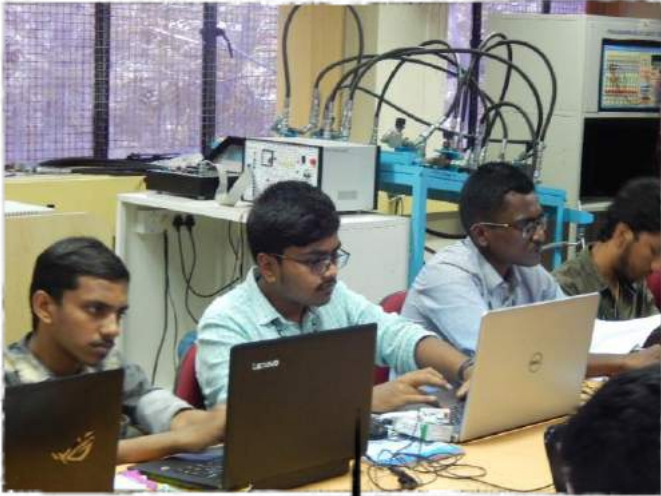


INAUGURAL FUNCTION & DAY 1 (18<sup>th</sup> February 2019)



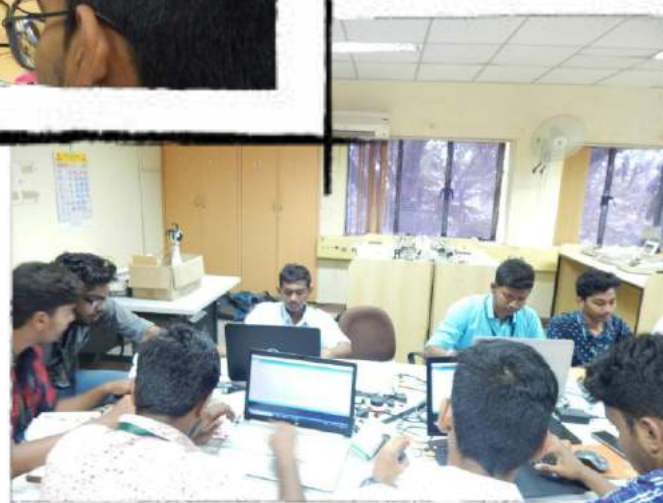
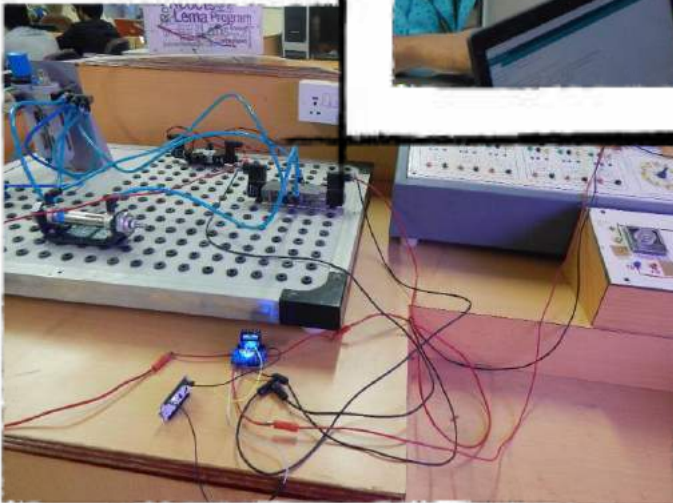


DAY 2 (19<sup>th</sup> February 2019)





DAY 3 (20<sup>th</sup> February 2019)



# **SRI VENKATESWARA COLLEGE OF ENGINEERING**

(An Autonomous Institution, Affiliated to Anna University) Pennalur,  
Sriperumbudur Taluk – 602 117



## **SOCIETY OF MECHANICAL ENGINEERS**

Solicit your esteemed presence for the

**VALEDICTORY FUNCTION**

of

### ***Three Day Workshop on INTERNET OF THINGS USING ARDUINO***

Valedictory Address by

**Dr. K.S. Badrinathan**

**Professor & Dean (Education Development)  
Sri Venkateswara College of Engineering**

<b>Venue</b>	<b>:</b>	<b>Mechatronics Lab</b>
<b>Date</b>	<b>:</b>	<b>20<sup>th</sup> February 2019</b>
<b>Timings</b>	<b>:</b>	<b>2.30 PM to 3.00 PM</b>

**ALL ARE WELCOME**

*Three Day Workshop on*  
***INTERNET OF THINGS***  
***USING ARDUINO***

**Valedictory Function**

**Date: 20<sup>th</sup> February 2019**

Timings – 2.30pm to 3.00pm

**Program Schedule**

- Welcome Address : **Dr. M. Mohandass**  
Workshop Coordinator
- HOD Address : **Dr. S. Ramesh Babu**  
Professor & Head  
Department of Mechanical Engineering
- Valedictory Address : **Dr. K.S. Badrinathan**  
Professor & Dean (Educational Development)  
Sri Venkateswara College of Engineering

**Certificate Distribution**

- Vote of Thanks : **Mr. K. Karthee**  
Workshop Coordinator

**National Anthem**





Sri Venkateswara College Of Engineering, Sriperumbudur.  
(An Autonomous Institution, Affiliated to Anna University, Chennai)



### Three day workshop on "IoT Using ARDUINO" during

Feb. 18th – 20th 2019

#### Feed Back Form

Name of the Participant: ROHAN ADHIKARI. P

Year/Section: II / B

Mobile No: 8056247253

E-mail ID: adhikarirohan@gmail.com

1. Have you found the course useful ?  
(a)  Yes                      (b) No                      (c) Can't say                      (d) I already knew all this
2. Will you recommend this course to your colleagues ?  
(a)  Yes, certainly                      (b) Yes, may be                      (c) No                      (d) No, never
3. Shall you be using the knowledge gained during this course in your teaching or for personal professional advancement ?  
(a)  Yes                      (b) No                      (c) Will try                      (d) There is no new learning
4. Your overall assessment of the course :  
(a) Waste of time                      (b)  Excellent                      (c) Useful                      (e) No comments

5. Suggestions for further improvement ?

  
Signature of the Participant

Workshop Co-ordinator  
(Dr. M. MOHANDASS)