

**METHODIST COLLEGE OF ENGINEERING AND TECHNOLOGY**

**ABIDS, HYDERABAD**

**EEE Department**

Date: 05/01/2019

To

The Principal/Director,

MCET,

Hyderabad.

SUB: Minute of Meeting for approval for conduction of CERTIFICATE PROGRAMMES for the current semester -Reg

Respected sir,

The dept. of EEE is planning to conduct the following CERTIFICATE PROGRAMMES (workshops) for the current semester 2018-19 (II SEM) . The details are specified below. I request your kind approval for the same.

The syllabus is also attached for your perusal

Sl. no	Programme name	Dates	In collaboration with	coordinator
1.	<b>A THREE DAY CERTIFICATE COURSE ON MICRO CONTROLLERS AND ARDUINO</b>	<b>MAR 2019</b>	<b>MEPAC Engineering solutions PVT, Ltd.</b>	<b>Dr.G.Raghuchandra Asst. Professor</b>

Thanking you sir,

*Permitted*  
*Lawrence*

  
HOD-EEE

**Head of Department  
Department of EEE  
Methodist College of Engg & Tech.  
Abids, Hyderabad-500 002.**



# Methodist College of Engineering and Technology

## Department of Electrical and Electronics Engineering

Ref: EEE/Workshop/March -2019

12 March 2019

To

Director, MCET

**Sub: - A three-day workshop on "Micro Controllers and Arduino Technology" for III BE ,  
EEE students on 14,15,16 March 2019 – Reg.**

The EEE department proposes to conduct a three-day workshop on "Micro Controllers and Arduino Technology" for III BE, EEE students on 14,15&16 March 2019. The hands-on training sessions will be conducted in our Electrical Simulation Lab and III EEE classroom. The workshop is scheduled between 09:30- 16:15 Hrs. This workshop will be conducted by MEPAC Engineering Solutions PVT. LTD, Hyderabad, which will be useful for all III EEE students in their projects and for their labs.

As per our discussion with MEPAC Engineering Solutions PVT. LTD, they have accepted to charge Rs 500 (Two Thousand rupees only) per student. The participation certificates will be given by them. Each participant will pay Rs 500/- to the workshops In-charge in the EEE Department. The fee remitted would be paid to MEPAC Engineering Solutions PVT. LTD. The attendance will be taken by the respective faculty as per the class time table and will be entered in their respective registers. The workshop schedule from MEPAC Engineering Solutions PVT. LTD is enclosed for your kind information. All the EEE teaching and non-teaching faculty who does not have class work will attend the workshop. The schedule of the workshop is as follows:

S No	Date and Time*	Topic	Venue
1.	14,15& 16 March 2018 09:30- 16:15 Hrs	Programing basics and Hands-on Training	Electrical Simulation and III EEE class room , EEE B-Block, 2 <sup>nd</sup> Floor ,MCET

\* Short break: During 11:15 – 11:30 Hrs \* Lunch 12:30 to 13:15 Hrs

Kindly give permission to conduct the workshop as above. We need two banners, refreshments from our college canteen for 55 members and lunch for 4 members from MEPAC on all three days. We request you to provide the above necessities to conduct the workshop successfully.

Thank You Sir.

Enclosures: Workshop Schedule

*C.V.R. Srii Lalit Narayana*  
C.V.R. Srii Lalit Narayana

Workshops In-charge, EEE

*Mr. Sachin*  
*Refreshments on*  
*1st day at 11.00 am*  
*and Lunch for 4 members*  
*on all the days*  
*be arranged*  
*See 4-7*  
*13/3*

*Y. Mastanamma*  
Y. Mastanamma  
HOD-EEE , MCET

## Schedule for Three-Day Workshop on "8051 & Arduino"

Day	Timing	Session	Contents
Day 1	9:30 – 11:00	Session 1	Commencement of the program, Introduction to Embedded systems and its Application
	11:00 -11:15	<b>Tea break</b>	
	11:15- 12:45	Session 2	<ul style="list-style-type: none"> <li>• Controllers and their Evolution                             <ul style="list-style-type: none"> <li>▪ Architecture of 8051</li> <li>▪ Pin diagram of 8051</li> </ul> </li> </ul>
	12:45 – 1:30	<b>Lunch Break</b>	
Day 2	1:30 – 3:00	Session 3	<ul style="list-style-type: none"> <li>• Introduction to Keil &amp; Proteus                             <ul style="list-style-type: none"> <li>▪ Project Making</li> </ul> </li> </ul>
	3:00 – 3:15	<b>Tea break</b>	
	3:15 – 4:45	Session 4	<ul style="list-style-type: none"> <li>• Introduction to Embedded C programming                             <ul style="list-style-type: none"> <li>▪ LED blinking, Shifting, Fountain</li> </ul> </li> </ul>
	9:30 – 11:00	Session 1	<ul style="list-style-type: none"> <li>• Interfacing DC Motor                             <ul style="list-style-type: none"> <li>▪ Controlling Motors using Drivers</li> <li>▪ Bi-Directional Operation of DC Motor</li> </ul> </li> </ul>
Day 3	11:00 -11:15	<b>Tea break</b>	
	11:15- 12:45	Session 2	<ul style="list-style-type: none"> <li>• Interfacing LCD display To 8051                             <ul style="list-style-type: none"> <li>▪ Displaying Text on LCD</li> </ul> </li> </ul>
	12:45 – 1:30	<b>Lunch Break</b>	
	1:30 – 3:00	Session 3	<ul style="list-style-type: none"> <li>• Introduction to Timers                             <ul style="list-style-type: none"> <li>▪ Time Based Applications</li> </ul> </li> </ul>
	3:00 – 3:15	<b>Tea break</b>	
	3:15 – 4:45	Session 4	<ul style="list-style-type: none"> <li>• Introduction to Arduino IDE &amp; Arduino in Proteus                             <ul style="list-style-type: none"> <li>▪ LED blinking, Brightness Adjustment</li> </ul> </li> </ul>
Day 4	9:30 – 11:00	Session 1	<ul style="list-style-type: none"> <li>• Serial Communication in Arduino</li> </ul>
	11:00 -11:15	<b>Tea break</b>	
	11:15 – 2:45	Session 2	<ul style="list-style-type: none"> <li>• Interfacing LCD display                             <ul style="list-style-type: none"> <li>▪ Displaying Text on LCD</li> </ul> </li> </ul>
	12:45 – 1:30	<b>Lunch Break</b>	
	1:30 – 3:00	Session 3	<ul style="list-style-type: none"> <li>• Interfacing DC Motor                             <ul style="list-style-type: none"> <li>▪ Speed Control of DC Motor(PWM)</li> </ul> </li> </ul>
	3:00 – 3:15	<b>Tea break</b>	
3:15 – 4:00	Validation	Certifications and Feedback	

### About EEE Department:

The Department of Electrical and Electronics Engineering was started in the year 2008 with an intake of 60, with an objective of imparting quality education in the Electrical and Electronics Engineering. EEE is the oldest of the engineering streams, and its applications are many. The number of career prospects for this group is huge, and it is the reason for many people to join this course. These students are offered with high salaried jobs, especially in the public sector. They are needed in power industry, electrical machine industries, etc. A number of private companies also offer lucrative job roles for these engineers.

Due to this requirement, Methodist gives a special preference to EEE, and we had built a special base for this group. The laboratories, faculty, etc. for this group are of top notch, and we chalk out various industrial tours, seminars workshops, etc. for the benefit of our students. EEE is one of the core streams of engineering, and it is required in any case. Hence the demand for this group never decreases, and it is the steadiest stream ever.

REGISTER ON OR BEFORE 12-03-2019  
&  
GET TO KNOW THE NEXT GENERATION OF  
ARCHITECTURES IN MICROCONTROLLERS

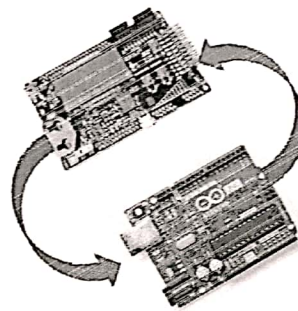
**Speaker:**  
Person from MEPAC ENGINEERING SOLUTIONS  
Pvt.Ltd.



## A THREE DAY WORKSHOP ON MICRO CONTROLLERS AND ARDUINO

**ORGANISED BY**

**Department of Electrical & Electronics Engineering**



**From**  
14-3-2019  
**To**  
16-3-2019



**METHODIST COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(Affiliated to Osmania University)  
King Koti Road, Abids, Hyderabad, Telangana-500001

**METHODIST COLLEGE OF ENGINEERING AND TECHNOLOGY**

*(Affiliated to Osmania University)*

King Koti Road, Abids, Hyderabad, Telangana - 500 001



**Department of Electrical and Electronics Engineering**

A THREE-DAY WORKSHOP

ON

**MICROCONTROLLERS AND ARDUINO TECHNOLOGY**

**Certificate of Participation**

This is to certify that Mr./Ms. P. Madhusha from  
III year Participated in a Three-Day Workshop on  
"Microcontrollers and Arduino Technology" during 14th - 16th March 2019 Conducted by the Department  
of Electrical and Electronics Engineering.

HOD-EEE

Director, MCET

PRINCIPAL  
METHODIST COLLEGE OF ENGG. & TECH.  
King Koti Road, Abids, Hyderabad

# Methodist College of Engineering and Technology

Department of Electrical and Electronics Engineering

Workshop on Micro Controllers on 14 th, 15 th & 16 th March 2019

S No	HT No	Student Name	Signature of the Student
1	160716734001	Suri Sainath	S. Sainath
2	160716734004	O. Anitha	O. Anitha
3	160716734012	Ch. Roshini	Ch. Roshini
4	160716734015	V. Sai Pavan Kumar	V. Sai Pavan Kumar
5	160716734317	V. Shrayya	V. Shrayya
6	160716734023	KOKKULA SAT	Kokkula Sat
7	160716734812	P. Madhusha	P. Madhusha
8	160716734006	P. Sunilchi	P. Sunilchi
9	160716734007	K. Pravalika	K. Pravalika
10	1607167344307	Mogbul pasha	Mogbul pasha
11	160716734038	D. Dilip	D. Dilip
12	160716734016	N. Ashok Reddy	N. Ashok Reddy
13	160716734027	M. Naveen	M. Naveen
14	160716734315	T. Bhavani Shankar	T. Bhavani Shankar
15	160716734014	CH. Sunil Kumar	CH. Sunil Kumar
16	160716734303	G. Sandeep Reddy	G. Sandeep Reddy
17	160716734301	B. Srikanth	B. Srikanth
18	160716734305	K. Vithal	K. Vithal
19	160716734017	O. Vijay	O. Vijay
20	160716734003	Satyadev D	Satyadev D
21	160716734009	CH. Karthik Reddy	CH. Karthik Reddy
22	160716734002	G. Praveen Kumar Reddy	G. Praveen Kumar Reddy
23	160716734314	S. Vinay Kumar	S. Vinay Kumar
24	160716734304	G. Naveen	G. Naveen
25	160716734306	K. Raghavendra Nayak	K. Raghavendra Nayak
26	160716734302	D. Prakash	D. Prakash
27	160716734018	M. Amisha	M. Amisha
28	160716734021	C. Shiva Jyothi	C. Shiva Jyothi
29	160716734013	Ch. Pandeeyan	Ch. Pandeeyan
30	160716734043	K. Suresh	K. Suresh
31	160716734005	S. Govardhan Reddy	S. Govardhan Reddy
32	160716734010	M. Araf	M. Araf
33	160716734036	M. Harshitha	M. Harshitha
34	160716734019	M. Sujan	M. Sujan
35	160716734032	B. Akhilesh	B. Akhilesh
36	160716734028	K. Mallikarjuna	K. Mallikarjuna
37	160716734020	Sukman	Sukman
38	160716734025	Sainikhal	Sainikhal
39	160716734308	M. Juman	M. Juman
40	160716734316	T. Nithin	T. Nithin
41	160716734037	Shait Fiazul Hyder	Shait Fiazul Hyder
42	160716734030	R.M. Saifullah	R.M. Saifullah
43	160716734042	Sonil Nayak	Sonil Nayak
44	160716734313	Sabiya Begum	Sabiya Begum
45	160716734310	P. Sampath	P. Sampath
46			
47			

Head of Department  
Department of EEE  
Methodist College of Engg & Tech.  
Hyderabad-500 902

## Workshop Evaluation Form

Workshop Title

**A THREE DAY CERTIFICATE COURSE ON MICRO CONTROLLERS AND ARDUINO**

Date: **14 MAR TO 16 MAR 2019**

Instructor: **MEPAC Engineering solutions PVT, Ltd.**

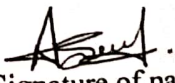
	<b>Strongly agree</b>		<b>Strongly disagree</b>
1. The workshop is applicable to me	✓	2	3
2. The workshop was presented in an organized manner	✓	2	3
3. The instructor was knowledgeable on the topic	1	✓	3
4. I recommend this workshop to others	✓	2	3
5. I obtained the required skill in the course	1	✓	3

My Rating for this workshop..

Excellent  Good  Satisfactory

Any suggestions for improvement

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Signature of participant

## Workshop Evaluation Form

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**A THREE DAY CERTIFICATE COURSE ON MICRO CONTROLLERS AND ARDUINO**

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4. I recommend this workshop to others
5. I obtained the required skill in the course

Strongly  
agree

Strongly  
disagree

✓ 1	2	3
✓ 1	✓2	3
✓ 1	2	3
1	✓2	3
1	✓2	3

Excellent  Good  Satisfactory

My Rating for this workshop..

Any suggestions for improvement

---

*Vijay*  
Signature of participant