

SRI VENKATESWARA COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SVCE/EC/Workshop/2017-18

Submitted to the Principal:

07/09/2017

Sub: Proposal to organize a Week-end Series of Workshop

It has been proposed to organize a Week-end series of workshop titled “**Embedded System Design & Application**” on 23rd Sep 2017, 7th Oct 2017 and 14th Oct 2017 for our II and III Year UG students of branches ECE/EEE/CS/IT focusing on tools – Raspberry Pi, Arduino, PIC and Eagle.

M/s PanTech ProEd Pvt. Ltd., M/s Mirror Technologies and M/s ThinkBotz are the leading training companies which offer the Engineering Software Solutions and Industry standard tools, have consented to depute their experts along with our faculty support to conduct the week-end series of workshop at our campus.

The students have to pay Rs.300 for each tool and we can accommodate 40 to 60 per tool. The students will get an elaborate idea on different tools used in industry and the companies demonstrate the working of it by giving hands on experience to the participants. The students can extend their learning on various tools from such training companies, submit projects and get certified on these courses.

We request your kind approval for conducting this workshop series.


08/09/17
Dr.S.Muthukumar

HOD/EC

Encl:

1. Budget Estimate





LEARN BENCH INDIA PVT LTD

Lets Begin ...

***Creating Change together* – Workshop on
Embedded Sytems -PIC**

Agenda

Workshop Schedule

Day 1

Date: 23-09-17

Timing: 9.00AM – 9.30AM

Venue: SVCE

- Introduction to Workshop
- Address by Mirror Technologies Staff
- Inauguration

Dept: ECE

Session 1

Timing: 9.30AM – 10.20AM

- Who we are?
- What exactly is Embedded?
- What can Embedded do for you?
- How does Embedded Work?
- Evolution of Embedded
- Type of Industry Embedded Applications
- Embedded company Lists
- Job opportunities and salary

Tea Break

Timing: 10.20AM – 10.40AM



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Session 3

Timing: 1.00PM – 2.30PM

Programming and Debugging (Practical Session)

This lesson teaches practical session of programming for pic microcontroller and makes students to do small applications.

Topics include:

- How to Use MPLAB IDE efficient
- Debugger & Emulators
- How to debug the code with software itself and using Tools
- Embedding Hex file into PIC IC
- Making students to do simple Programs
- LED, ADC, LCD Programs
- Solving Practical Issues
- Demo Projects
- Project demo using Sensors and Wireless

Tea Break

Timing: 2.30PM – 2.45PM

Session 4

Timing: 2.45PM – 3.15PM

Questions & Answers

Timing: 3.15PM – 3.30PM

Vote of Thanks (End of the session for the day 1)

Trainer Profile:

No of Trainers : 04 Experts

All are having 10+ Years Experience in the field of Embedded Systems Product Design & Development

Powered by Mirror Technologies Pvt Ltd, chennai -26.
For any clarfications , call @ 9381 94 84 74




SRI VENKATESWARA COLLEGE OF ENGINEERING

FEEDBACK FROM THE SPEAKER - GUEST LECTURE

DEPARTMENT : ECE

Name of the Speaker	: M. ANGAMUTHU
Designation	: CONSULTANT
Institution/University/Organisation :	LEARN BENCH INDIA PVT LTD
Mobile / E-mail	: 9940527535
Title of the Lecture	: Embedded systems design & application
Date	: 23/09/17
Time	: 8:30 AM to 3:20 PM
Venue	: DSP & MPMC LAB
Comments by the Speaker	: <p style="text-align: center;">Students were very enthusiastic. Looking for more opportunities.</p>
Suggestions for improvement	: —
Signature of the Speaker	: M. Angamuthu.


Signature of Coordinator


Head of the Department
Electronics and Communication Engineering
Sri Venkateswara College of Engineering
Sriperumbudur - 602 117, India



FT/GN/48/01/10.06.15

SRI VENKATESWARA COLLEGE OF ENGINEERING
FEEDBACK FROM THE SPEAKER - GUEST LECTURE

DEPARTMENT : ECE.

Name of the Speaker	: M. VELMURUGAN.
Designation	: MD
Institution/University/Organisation	: LEARN BENCH INDIA PVT LTD
Mobile / E-mail	: 9381948474, velmura@gmail.com
Title of the Lecture	: Embedded - PIC
Date	:
Time	:
Venue	:
Comments by the Speaker	: I am so happy to participate, All students co-operated well, MR. Arul & Mrs. Jayaprabha, Deliganes Co-operated well, organized good by the staff. Best accommodation done by your staff. Thank You so much
Suggestions for improvement	: Need two days for workshop.
Signature of the Speaker	:

Signature of Coordinator


Head of the Department
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Sriperumbudur - 602 117, India

A Report on

Week-end Series of Workshop On Embedded System Design & Applications

Organized on September 23rd, October 7th & 13th, 2017 by the Department of ECE

Week-end Series of Workshop
On
Embedded System Design & Applications
(23rd Sep 2017, 7th Oct 2017 and 14th Oct 2017)



The Department of Electronics and Communication Engineering is organizing weekend series of workshop titled “**Embedded System Design & Applications**” on 23rd Sep 2017, 7th Oct 2017 and 14th Oct 2017

ABOUT THE WORKSHOP

Hands on Training Program using Raspberry Pi, Arduino and PIC Microcontroller for Embedded Applications, aims at providing an insight into the concept of embedded design from an Engineering Perspective. The purpose of this workshop is to facilitate hands on training for the II and III Year UG students of SVCE particularly branches of ECE/EEE/CS/IT. The workshop will serve as a forum for experts from our college and the leading companies (M/s Retch Solutions Pvt. Ltd., M/s Mirror Technologies and M/s Respro labs which offers Engineering Software Solutions and Industry standard tools leading to synergy of technologies in embedded design) to share their knowledge with the students & also this will be an eye opener for the students those who are desiring to get a job in hardware based companies.

WORKSHOP CONTENT

- * Introduction to Embedded System
- * Applications & Scope of Embedded System in various industries
- * Introduction to PIC microcontroller, Programming. (Scheduled on 23/9/2017)
- * Introduction to Arduino, Configuration, Interfacing peripheral devices, IOT (Scheduled on 7/10/2017)
- * Introduction to Raspberry pi, Interfacing peripheral devices, IOT. (Scheduled on 14/10/2017)


CONVENER
Dr.S.MuthuKumar
HOD, ECE Department

CO-ORDINATOR
Ms.T J Jeyaprabha, AP-EC

CO-COORDINATORS
Mr.P.Arul . AP-EC
Ms.R Kousalya, AP-EC
Ms.B.Sarala, AP-EC
Ms.S Reethi, AP-EC
Ms.M Anushya, AP-EC
Mr.G Loganathan, AP-EC

NUMBER OF PARTICIPANTS
Total No. of Students- 60 (Per Tool)

REGISTRATION FEE
Rupees 300/- (Per tool)



Registration Form

Name: _____

Branch: _____

Course/year: _____

Phone: _____

E Mail: _____

Preferred Tool: _____

Payment Details: _____

(Signature)

Department of ECE organized, A Three Day week end series of workshop on “Embedded System Design and Applications on 23/9/17, 7/10/17, 13/10/17

The event was coordinated by Ms.T.J.Jeyaprabha, Assistant Professor and Co-coordinated by Ms.R.Kousalya, Ms.B.Sarala, Ms.M.Anushya, Mr.P.Arul, Mr.G.Loganathan, and Ms.S.Reethi, Assistant Professors, Department of ECE.

The workshop was started with a prayer song and welcome address by our beloved HOD-EC, **Dr.S.Muthukumar, Convener** of the workshop.

Day 1: The Inaugural address of the day was given by **Ms.T.J.Jeyaprabha**, for the topic: “Introduction to PIC microcontroller” in which she discussed about need of PIC in embedded systems.

The inaugural address was continued by the technical talk and handson session on “PIC microcontroller & Programming” by **Mr. M.Velmurugan & Team, from Mirror Technologies Pvt. Ltd. Chennai**

Day 2: Introduction was given by **Ms.R.Kousalya**, for the topic “Introduction to Arduino” and this was continued with a technical talk and hands on session on “ Introduction to Arduino, Configuration, Interfacing peripheral devices, IOT & Programming” by **Mr.Shabarinath Premlal(Founder) and team from Respro Labs, Chennai**

Day 3: Introduction was given by **Ms.M.Anushya**, for the topic “Introduction to Raspberry pi,” and this was continued with a technical talk and hands on session on “ Introduction to Raspberry pi, Interfacing peripheral devices, IOT. & Programming” by **Mr.E.Arunkumar, ME(Ph.d), Vice President & Team from Retech Solutions Pvt. Ltd, Chennai.**

The Valedictory Address and vote of thanks was given by Ms.T.J.Jeyaprabha, Assistant Professor, Department of Electronics and Communication Engineering, followed by Certificate distribution to the participants by our HOD - EC, **Dr.S.Muthukumar**. The event was successfully completed with our National Anthem.



Head of the Department
Electronics and Communication Engineering
Sri Venkateswara College of Engineering
Sriperumbudur - 602 117. India

EVENT COORDINATOR

Attendance of Participants

SRI VENKATESWARA COLLEGE OF ENGINEERING
Department of Electronics and Communication Engineering
Workshop on Embedded System Design and Applications

S.No	Name	Reg No	Department	Year	Sign	Name with Initial
1	Vishak Arudhra	2016ECE0069	ECE	2nd - C	<i>[Signature]</i>	Vishak Arudhra R
2	C.Reshma	2016ECE0077	ECE	2nd - C	<i>[Signature]</i>	C. RESHMA
3	Vishal S Pareek	2016ECE0647	ECE	2nd - C	<i>[Signature]</i>	Vishal S. Pareek
4	Abinaya.M		ECE	3rd A		
5	S.Aishwarya		ECE	3rd A		
6	V.Saveetha	2016ECE0191	ECE	2nd C	<i>[Signature]</i>	saveetha V
7	Gladson E Y	2014MECE0146	Mech	2nd A	<i>[Signature]</i>	E.Y. Gladson
8	Hariharasubramanian.V	2016CSE0627	CSE	2nd A	<i>[Signature]</i>	HARI HARASUBRAMANIAN
9	Hari Prasath. T.S.	2016CSE0197	CSE	2nd A	<i>[Signature]</i>	HARI PRASATH.T.S
10	S Divyalekha	2016CSE1025	CSE	2nd A	<i>[Signature]</i>	S DIVYA LERHA
11	Durairaja Vigneshwar.V	2016ESE0870	CSE	2nd A	<i>[Signature]</i>	V. DURAIRAJA VIGNESHWAR
12	B. Sameer S.SARAVANA YOGESH/2016ECE0967		ECE	2nd-C	<i>[Signature]</i>	S. Saravana yagesh
13	Gurucharan		ECE	2nd-A	<i>[Signature]</i>	S. Saravana yagesh
14	Vijay		ECE	3rd C		
15	M.vijay	2015ECE0236	ECE	3rd C	<i>[Signature]</i>	M. VIJAY
16	Komaleshwari R	2016ECE0590	ECE	2nd yr - B	<i>[Signature]</i>	R. Komaleshwari
17	Kaviyapriya A	2016ECE0864	ECE	2nd yr - B	<i>[Signature]</i>	A. Kaviyapriya
18	Lavanya R	2016ECE0826	ECE	2nd yr - B	<i>[Signature]</i>	R. Lavanya
19	nivedika DL	2016ECE0152	ECE	2nd yr - B	<i>[Signature]</i>	D.L. Nivedika.
20	K.Naresh kanna	2015ECE0033	ECE	3rd yr-B	<i>[Signature]</i>	K. Naresh kanna
21	M.Vignesh	2015ECE0256	ECE	3rd yr -c	<i>[Signature]</i>	M.VIGNE SH
22	Sandeep R.J	2015ECE0437	ECE	3rd yr -c	<i>[Signature]</i>	R.J.SANDEEP
23	Subramaniya raman	2016ECE0614	ECE	2rd yr -c	<i>[Signature]</i>	M.K.SUBRAHANIYARAJAN
24	Sudarshan krishna	2016ECE0580	ECE	2nd yr-c	<i>[Signature]</i>	SUDARSSHAN KRISHNA V.R.
25	Kishor kumar	2016ECE0644	ECE	2nd yr -B	<i>[Signature]</i>	B. KISHOR KUMAR

[Signature]

EVENT COORDINATOR

[Signature]

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Sri Venkateswara College of Engineering
Sriperumbudur - 602 117. India

SRI VENKATESWARA COLLEGE OF ENGINEERING
Department of Electronics and Communication Engineering
Workshop on Embedded System Design and Applications

7/10/2017

S.No	Name	Reg No	Department	Year	FN	AN
1	Vishak Arudhra	160701174	ECE	2nd - C	Vishak	Vishak
2	C.Reshma	160701181	ECE	2nd - C	C. Reshma	C. Reshma
3	Vishal S Pareek	160701176	ECE	2nd - C	Vishal Pareek	Vishal Pareek
4	Abinaya.M		ECE	3rd A		
5	S. Aishwarya		ECE	3rd A		
6	V.Saveetha	160701137	ECE	2nd C	Saveetha V	Saveetha V
7	Gladson E Y		Mech	2nd A	E.Y. Gladson	E.Y. Gladson
8	Hariharasubramanian.V	160501055	CSE	2nd A	Hari Prasad	H.S. Hariharan
9	Hari Prasath. T.S.	160501053	CSE	2nd A	Hari Prasad	H.S. Hariharan
10	S Divyalekha		CSE	2nd A	S Divyalekha	S Divyalekha
11	Durai Raja Vigneshwar.V		CSE	2nd A	Vignesh	Vignesh
12	D. Sameer S.SARAVANA YOGESH	160701134	ECE	2nd-C	S.Saravanan	
13	Gurucharan		ECE	2nd-A		
14	Vikranth ^{Vemasani} _{Sai Kumar}	2015ECE0987	ECE	3rd C	V. Sai Kumar	V. Sai Kumar
15	M.vijay	2015ECE0226	ECE	3rd C	M. Vijay	M. Vijay
16	Komaleshwari R	2016ECE0590	ECE	2nd yr - B	Komal	Komal
17	Kaviyapriya A		ECE	2nd yr - B	Kaviyapriya	Kaviyapriya
18	Lavanya R		ECE	2nd yr - B	R. Lavanya	R. Lavanya
19	nivedika DL	2016ECE0152	ECE	2nd yr - B	D.L. Nivedika	D.L. Nivedika
20	K.Naresh kanna	2015ECE0033	ECE	3rd yr-B	K. Naresh kanna	K. Naresh kanna
21	M.Vignesh	2015ECE0256	ECE	3rd yr -c	M. Vignesh	M. Vignesh
22	Sandeep R.J	2015ECE0437	ECE	3rd yr -c	S. Sandeep	S. Sandeep
23	Subramaniya raman	160701153	ECE	2rd yr -c	Ramas	Ramas
24	Sudarshan krishna	160701154	ECE	2nd yr-c	Sudarshan	Sudarshan

S.No	Name	Reg No	Department	Year	FN	AN
25	Kishor kumar		ECE	2nd yr -B	B. Kishor	B. Kishor
26	Mahesh G.K	160501084	CSE	2nd -B	Mahesh	Mahesh
27	Thejaswar DHEJESHWAR.S	160501044	CSE	2nd -A	Thejaswar	Thejaswar
28	Aishwarya A	160501015	CSE	2nd -A	Aishwarya A	Aishwarya A
29	Dhamodharan	160501303	CSE	2nd -A	D. Dhamodharan	D. Dhamodharan
30	Aparajita .S	160501024	CSE	2nd -A	Aparajita	Aparajita
31	Ganesh prabhu		CSE	2nd -A	Ganesh	Ganesh
32	Ajay Adhitya		CSE	2nd -A	Ajay Adhitya	Ajay Adhitya
33	Harish santhosh		CSE	2nd -A	S. Harish Santhosh	S. Harish Santhosh
34	Harish Manikandan	160501058	CSE	2nd -A	Harish	Harish
35	kamatchi		ECE	2nd-B	Kamatchi A.B	Kamatchi A.B
36	Swetha Srimidhi SWETA	160701162	ECE	2nd -C	Swetha	Swetha

SHRINIDHI.S

D. Thejaswar

Head of the Department
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Sri Venkateswara College of Engineering
Sriperumbudur - 602 117, India

T. J. S. Sree

EVENT COORDINATOR

S.N	Name	WRITE NAME IN CAPS	Reg No	Dept	Year - Section	FORENOON	AFTERNOON
1	Vishak Arudhra	VISHAK ARUDHRA	160701174	ECE	2nd yr -C	Vishak	Vishak
2	C. Reshma	C. RESHMA	160701121	ECE	2nd yr -C	C. Reshma	C. Reshma
3	Vishal S Pareek	VISHAL S. PAREEK	160701176	ECE	2nd yr -C	Vishal	Vishal
4	V. Saveetha	SAVEETHA.V	160701137	ECE	2nd yr -C	Saveetha.V	Saveetha.V
5	N. Madhusudhanan	N. MADHU SUDHANAN	160701129	ECE	2nd yr -C	N. Madhu	Madhu Sudhanan
6	SNEHA .D	SNEHA .D	160701148	ECE	2nd yr -C	D. Sneha	D. Sneha
7	Swetha Srinidhi	SWETHA SRINIDHI.S	160701162	ECE	2nd yr -C	Swetha.S	Swetha.S
8	S.Ramya	RAMYA .R	160701120	ECE	2nd yr -C	Ramya	Ramya
9	T.G.SuriyaNarayanan	T.G. SURIYANARAYANAN	160701160	ECE	2nd yr -C	T.G. Suriya	T.G. Suriya
10	V.R Sudarshan Krishna	SUDARSHAN KRISHNA V.R.	160701154	ECE	2nd yr -C	V.R. Sudarshan	V.R. Sudarshan
11	R. Banu Priya	BANU PRIYA .R	160701028	ECE	2nd yr -A	R. Banu Priya	R. Banu Priya

12	J.S Bhavya	J.S. BHAVYA	160701032	ECE	2nd yr-A	<i>rhavya</i>	<i>rhavya</i>
13	R.Arul Jothi	R.ARULJOTHI	160701024	ECE	2nd yr-A	<i>R.Aruljoti</i>	<i>R.Aruljoti</i>
14	Bramini Jayakumar	BRAMMI.J	160501037	CSE	2nd A	<i>J.Brammi</i>	<i>J.Brammi</i>
15	Dhivya Rajendran	DHIVYA-R.	160501045	CSE	2nd A	<i>Dhivya</i>	<i>Dhivya</i>
16	Elakiya. P	ELAKIYAA.P	160501049	CSE	2nd A	<i>P.Elakiya</i>	<i>P.Elakiya</i>
17	Durai Raja Vigneshwar V	DURAJARAJA VIGNESHWAR V	160501048	CSE	2nd A	<i>Keya</i>	<i>Keya</i>
18	Hemavathi	HEMAVATHI.V	160501062	CSE	2ND -A	<i>Hemavathi</i>	<i>Hemavathi</i>
19	Ajay Athitya	AJAY ATHITYA R	160501016	CSE	2ND -A	<i>Ajay</i>	<i>Ajay</i>
20	Arun Daniel. K	ARUN DANIEL.K	160501031	CSE	2ND -A	<i>Arun Daniel</i>	<i>Arun Daniel</i>
21	Ganesh prabhu.V	GANESH PRABHU V	160501051	CSE	2ND -A	<i>Ganesh</i>	<i>Ganesh</i>
22	Shravan Dheep.R	SHRAVAN DHEEP.R	160501144	CSE	2ND -C	<i>Shravan</i>	<i>Shravan</i>
23	Arjun Aravind	ARJUN ARAVIND	160501030	CSE	2ND -A	<i>Arjun Aravind</i>	<i>Arjun Aravind</i>
24	Divya Gurumoorthy	DIVYA GURUMOORTHY	160501048	CSE	2ND -A	<i>Divya</i>	<i>Divya</i>
25	Harini Ashok	HARINI ASHOK A	160501056	CSE	2ND -A	<i>Harini</i>	<i>Harini</i>
26	Adithya Kumaran	ADITHYA KUMARAN.S	160501011	CSE	2nd -A	<i>Adithya</i>	<i>Adithya</i>
27	Abniraksha P	ABHIRAKSHA	160501005	CSE	2nd -A	<i>Abniraksha</i>	<i>Abniraksha</i>

						FOREIGN	AFTER NAME
28	Prem Kumar R M	PREM KUMAR .R.M	160801175	IT	2nd -B	<i>P.Prem</i>	<i>P.Prem</i>
29	Vigneshvaran R	VIGNESHVARAN .R	160801116	IT	2nd -B	<i>Vignesh</i>	<i>Vignesh</i>
30	Surya Kumar M	SURYA KUMAR M	160801107	IT	2nd -B	<i>Surya</i>	<i>Surya</i>
31	Suresh Kumar S	SURESH KUMAR .S	160801105	IT	2nd -B	<i>Suresh</i>	<i>Suresh</i>
32	Subosh K	Subosh .K	160801101	IT	2nd -B	<i>K.Subosh</i>	<i>K.Subosh</i>
33	Sreenidhi M J	SREENIDHI -M.J	160801098	IT	2nd -B	<i>M.J.sreenidhi</i>	<i>M.J.sreenidhi</i>
34	Sahithi Reddy R.	SAHITHI .R	160801086	IT	2nd -B	<i>Sahithi</i>	<i>Sahithi</i>
35	Shri Gayathri K	SHRI GAAYATHRI .K	160801093	IT	2nd -B	<i>K.Shri</i>	<i>K.Shri</i>
36	Subramanya Sujith M	SUBRAMANYA SUJITH M	160801102	IT	2nd -B	<i>Sujith</i>	<i>Sujith</i>
37	Surabi Sridhanya S	SURABI SRI DHANYA .S	160801104	IT	2nd -B	<i>S.Surabi</i>	<i>S.Surabi</i>
38	Vishnu Priya R	VISHNU PRIYA .R	160801120	IT	2nd -B	<i>R.vishnu</i>	<i>R.vishnu</i>

T.J. S. S. S.

EVENT COORDINATOR

Dr. Thirugur

Head of the Department
 Electronics and Communication Engineering
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 Sripurambudur - 602 117, India