



K.S.R.M. COLLEGE OF ENGINEERING (UGC-AUTONOMOUS)

Kadapa, Andhra Pradesh, India- 516 005

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.
An ISO 14001:2004 & 9001: 2015 Certified Institution



Department of Electrical & Electronics Engineering

Date: 01.11.2021

From

K.Ramamohan Reddy, Associate Professor
S.Khadar Valli, Assistant Professor
Dept. Of EEE
K.S.R.M.College of Engineering
Kadapa-516001

To

The Principal
K.S.R.M.College of Engineering
Kadapa-516001

Respected Sir,

Subject: Request you to grant permission to conduct a Skill course on Embedded Systems-Reg

This is bring to your kind notice that the department of Electrical and Electronics Engineering is going to organizing a Skill course on Embedded Systems in Association With APSSDC & CRI during 8.11.2021 to 12.11.2021. I kindly request you to grant permission to conduct this Skill Course.

Thanking you

*Forwarded to principal
Sir,
Kindly consider their request &
grant permission to conduct the
skill course.*

*Permitted
U.S.S. Annally*

Yours Sincerely

K.Ramamohan Reddy
S.Khadar Valli

K.Ramamohan Reddy
S.Khadar Valli



K.S.R.M. COLLEGE OF ENGINEERING

(UGC - Autonomous)

Kadapa, Andhra Pradesh, India - 516 003

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KSNR
Reddy

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

In Association With

ANDHRA PRADESH STATE SKILL DEVELOPMENT CORPORATION

ONE WEEK SKILL COURSE ON (APSSDC)

Coordinators:

Embedded systems

Sri K Ramamohan Reddy.

DATES : 8-11-2021 to 12-11-2021

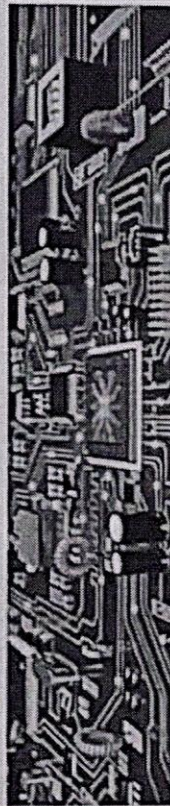
Time : 9 AM to 4 PM



Associate professor

Sri S Khadar Vali

Assistant Professor



Skill AP
APSSDC

Student Coordinators:

B.Sai Sree

C.Rakesh

Dr. K. Anand
100132

Dr. V.S.S. Murthy
(Principal)

Prof. A. Mahan
(Director)

Dr. Kandula Chandra Mohan Reddy
(Managing Director)

Smt. K. Rajkumar
(Correspondent Secretary, Treasurer)

Sri K. Madan Mohan Reddy
(Vice-Chairman)

Sri K. Raju Mahan Reddy
(Chairman)



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Department of Electrical & Electronics Engineering

Date: 01.11.21

CIRCULAR

This is to inform all the B. Tech., V Semester students that department is going to conduct certification course. In this regard, I request the students those who are interested for the course can register their names with the concern coordinator. The schedule of the course is as follows.

Name of the Certification Course	:	Embedded Systems
Resource Person (S)	:	APSSDC Mentors
Course Duration	:	30Hrs
Date (S) of the Course	:	08.11.21 to 12.11.21
Timings	:	9.00am to 4.00pm
Venue	:	Python Programming Lab, Main Block
Faculty Coordinator	:	Mr. K. Rama Mohan Reddy, Associate Professor Mr. S. Khader Vali, Assistant Professor

[Signature]
01/11/21

Dr. K. AMARESH

Head of the Department



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K.S.R.M.COLLEGE OF ENGINEERING (AUTONOMOUS), KADAPA			
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING			
SKILL COURSE ON EMBEDDED SYSTEMS			
Course Duration:08/11/2021 to 12/11/2021			
S.NO.	ROLL NO.	NAME OF THE STUDENT	SIGNATURE
1	199Y1A0207	CHITTIBOINA HARI PRASAD	C.Hariprasad
2	199Y1A0208	CHOWDAM MOHAN KRISHNA	C.mohana
3	199Y1A0209	DERANGULA NAVEEN SAI	D.Naveen Sai
4	199Y1A0210	DODDA MAREPPA GARI BOJE GOWD	D.Bogowd.
5	199Y1A0214	GORLA UMA MAHESWAR REDDY	G.Umaheswar
6	199Y1A0215	GUDUMCHARLA ASHOK	G.Ashok
7	199Y1A0216	GUDURU ANAND	G.Anand
8	199Y1A0217	GUNDLURU SAI PUNEETH KUMAR	G.Puneeth
9	199Y1A0219	KADIRI NAVEEN	K.Naveen
10	199Y1A0222	KATHERAPALLE SAMARA SIMHA REDDY	K.Samara
11	199Y1A0225	KONGANI VENKATA RAMANA	K.Ramana
12	199Y1A0226	KORRAPATI SAKESH REDDY	K.Sakesh
13	199Y1A0227	MADAKABOYINA RAM MOHAN	M.Ramachandra
14	199Y1A0228	MANDA KIRAN BABU	M.Kiran Babu
15	199Y1A0232	MOGASALA RUTHESH KUMAR	M.Ruthesh Kumar
16	199Y1A0239	PENDLIMARRI NAGENDRA	P.Nagendra
17	199Y1A0241	POOLA.THARAKARAMUDU	P.Tharaka Ramudh
18	199Y1A0242	POTTOLLA GIRIDHAR	P.Giridhar
19	199Y1A0245	SIRIGI REDDY LOKENDRA REDDY	S.Lokendra
20	199Y1A0249	SYED KHAMAR HUSSAIN	S.Khamar

COURSE COORDINATORS : K.RAMAMOCHAN REDDY,S.KHADAR VALI



Andhra Pradesh State Skill Development Corporation (APSSDC)

(Department of Skill Development & Training, Govt. of Andhra Pradesh)



Program wise report



Program >> Embedded Systems - Offline Training(2021-22) , Course >> Embedded Systems

S.No.	Registration Id	Name	Email	Phone	Category	Payment	Edit	Action
1	199y1a0207	Chittiboina Hariprasad	199y1a0207@ksrmce.ac.in	9014953724	BC-D	SUCCESS		
2	199Y1A0208	Chowdam Mohan Krishna	kannakannamohan10@gmail.com	9912641882	BC-B	SUCCESS		
3	199Y1A0209	Derangula Naveen Sai	naveensai20506@gmail.com	9704031105	BC-A	SUCCESS		
4	199Y1A0210	D Bojgowd	199y1a0210@ksrmce.ac.in	9052931340	BC-B	SUCCESS		
5	199Y1A0214	Goria Uma Maheshwar Reddy	goriamaheshreddy@gmail.com	9652284290	OC	SUCCESS		
6	199Y1A0215	Gudumcharla Ashok	199y1a0215@ksrmce.ac.in	7032024894	BC-A	SUCCESS		
7	199Y1A0216	Guduru Anand	aa143247875@gmail.com	9390335460	BC-A	SUCCESS		
8	199Y1A0217	G.Saipuneethkumar	puneethkumar1828@gmail.com	9676747640	SC	SUCCESS		
9	199y1a0219	Kadiri Naveen	nkadiri143@gmail.com	9182325813	BC-B	SUCCESS		
10	199y1a0222	KATATHERA PALLI SAMARASIMHA REDDY	199y1a0222@ksrmce.ac.in	8179495583	OC	SUCCESS		
11	199y1a0225	Kongani Venkata Ramana	yadavkonganiyadav@gmail.com	9346582101	BC-D	SUCCESS		
12	199Y1A0226	Korrapli Sakesh Reddy	reddysakesh05@gmail.com	9573183764	OC	SUCCESS		
13	199Y1A0227	Madakaboyina Rammohan	199y1a0227@ksrmce.ac.in	9951859072	BC-D	SUCCESS		
14	199Y1A0228	Manda Kiran Babu	199y1a0228@ksrmce.ac.in	7997551752	SC	SUCCESS		

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S.No.	Registration Id	Name	Email	Phone	Category	Payment	Edit	Action
15	199y1a0232	MOGASALA RUTHESH KUMAR	rutheshroyals@gmail.com	8008669960	BC-A	SUCCESS		
16	199Y1A0239	Pendlimarri Nagendra	nagendramarley@gmail.com	8979242367	BC-A	SUCCESS		
17	199y1a0241	Poola Tharaka Ramudu	199y1a0241@ksrmce.ac.in	9160968294	ST	SUCCESS		
18	199y1a0242	POTTOLLA GIRIDHAR	199y1a0242@ksrmce.ac.in	7702995604	SC	SUCCESS		
19	199Y1A0245	Sirigi Reddy Lokendra Reddy	199y1a0239@ksrmce.ac.in	7702032282	OC	SUCCESS		
20	199Y1A0249	Syed Khamar Hussain	khamarsuhail786@gmail.com	7780403856	OC	SUCCESS		



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Department of Electrical & Electronics Engineering

In Association with APSSDC & CRI Organizing Skill Course on

EMBEDDED SYSTEMS

ATTENDANCE SHEET

S.NO	Roll Number	Day	8/11/202 1	9/11/202 1	10/11/202 1	11/11/202 1	12/11/202 1
1	199Y1A0208	FN	C. Mohan	C. Mohan	C. Mohan	C. Mohan	C. Mohan
		AN	C. Mohan	C. Mohan	C. Mohan	C. Mohan	C. Mohan
2	199Y1A0209	FN	D. Naveen	D. Naveen	D. Naveen	D. Naveen	D. Naveen
		AN	D. Naveen	D. Naveen	D. Naveen	D. Naveen	D. Naveen
3	199Y1A0210	FN	D. Botegund	D. Botegund	D. Botegund	D. Botegund	D. Botegund
		AN	D. Botegund	D. Botegund	D. Botegund	D. Botegund	D. Botegund
4	199Y1A0214	FN	G. Umamaheswari	G. Umamaheswari	G. Umamaheswari	G. Umamaheswari	G. Umamaheswari
		AN	G. Umamaheswari	G. Umamaheswari	G. Umamaheswari	G. Umamaheswari	G. Umamaheswari
5	199Y1A0217	FN	P. Srinivas	P. Srinivas	P. Srinivas	P. Srinivas	P. Srinivas
		AN	P. Srinivas	P. Srinivas	P. Srinivas	P. Srinivas	P. Srinivas
6	199Y1A0219	FN	K. Naveen	K. Naveen	K. Naveen	K. Naveen	K. Naveen
		AN	K. Naveen	K. Naveen	K. Naveen	K. Naveen	K. Naveen
7	199Y1A0222	FN	K. Samara	K. Samara	K. Samara	K. Samara	K. Samara
		AN	K. Samara	K. Samara	K. Samara	K. Samara	K. Samara
8	199Y1A0225	FN	K. Ramana	K. Ramana	K. Ramana	K. Ramana	K. Ramana
		AN	K. Ramana	K. Ramana	K. Ramana	K. Ramana	K. Ramana
9	199Y1A0226	FN	K. Sakesh	K. Sakesh	K. Sakesh	K. Sakesh	K. Sakesh
		AN	K. Sakesh	K. Sakesh	K. Sakesh	K. Sakesh	K. Sakesh
10	199Y1A0227	FN	M. Ramachand	M. Ramachand	M. Ramachand	M. Ramachand	M. Ramachand
		AN	M. Ramachand	M. Ramachand	M. Ramachand	M. Ramachand	M. Ramachand
11	199Y1A0228	FN	M. Kivan	M. Kivan	M. Kivan	M. Kivan	M. Kivan
		AN	M. Kivan	M. Kivan	M. Kivan	M. Kivan	M. Kivan
12	199Y1A0232	FN	M. Rakesh Kumar	M. Rakesh Kumar	M. Rakesh Kumar	M. Rakesh Kumar	M. Rakesh Kumar
		AN	M. Rakesh Kumar	M. Rakesh Kumar	M. Rakesh Kumar	M. Rakesh Kumar	M. Rakesh Kumar
13	199Y1A0239	FN	P. Nagendra	P. Nagendra	P. Nagendra	P. Nagendra	P. Nagendra
		AN	P. Nagendra	P. Nagendra	P. Nagendra	P. Nagendra	P. Nagendra

14	199Y1A0241	FN	P.T.R.	P.T.R.	P.T.R.	P.T.R.	P.T.R.
		AN	P.T.R.	P.T.R.	P.T.R.	P.T.R.	P.T.R.
15	199Y1A0242	FN	P. Giridhar	P. Giridhar	P. Giridhar	P. Giridhar	P. Giridhar
		AN	P. Giridhar	P. Giridhar	P. Giridhar	P. Giridhar	P. Giridhar
16	199Y1A0245	FN	S. Lokendhar	S. Lokendhar	S. Lokendhar	S. Lokendhar	S. Lokendhar
		AN	S. Lokendhar	S. Lokendhar	S. Lokendhar	S. Lokendhar	S. Lokendhar
17	199Y1A0249	FN	S. Khanna	S. Khanna	S. Khanna	S. Khanna	S. Khanna
		AN	S. Khanna	S. Khanna	S. Khanna	S. Khanna	S. Khanna
18	199Y1A0216	FN	G. Anand	G. Anand	G. Anand	G. Anand	G. Anand
		AN	G. Anand	G. Anand	G. Anand	G. Anand	G. Anand
19	199Y1A0215	FN	G. Ashok	G. Ashok	G. Ashok	G. Ashok	G. Ashok
		AN	G. Ashok	G. Ashok	G. Ashok	G. Ashok	G. Ashok
20	199Y1A0207	FN	C. Hariprasad	C. Hariprasad	C. Hariprasad	C. Hariprasad	C. Hariprasad
		AN	C. Hariprasad	C. Hariprasad	C. Hariprasad	C. Hariprasad	C. Hariprasad



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Department of Electrical & Electronics Engineering

Activity Report

Name of the Activity	: Skill Course
Title of the Skill Course	: Embedded Systems
Date of the Skill Course	: From 8.11.2021 to 12.11.2021
Scheduled Time	: 9.00 AM to 4.00PM
Resource Person	: B. Suresh Kumar & S.M. TajBasha, APSSDC.
Target Audience	: VSemester Students
No. of Students Attended	: 20 students
Co-coordinator(s)	: K. Ramamohan Reddy & S. KhadarVali
Venue of the Event	: Python Programming Lab, Main Building

Activity Description:

Embedded systems are a microprocessor or microcontroller based system of hardware and software designed to perform dedicated functions within a larger mechanical or electrical system. Embedded systems are commonly found in consumer, industrial, automotive, home appliances, medical, telecommunications, commercial and military applications.

The detailed day wise concepts discussed are...

Day-1(8.11.2021)

Introduction to Embedded Systems: Definition of embedded systems History of embedded systems, future scope of embedded systems, Introduction to 8051 microcontroller.

Embedded c Programming Language: Types of embedded languages, Introduction to embedded c language, Rules for Embedded c language.

Software: Introduction to keil and Proteus, Software Download and Installation procedure.



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Day-2(9.11.2021)

Interfacing devices with Microcontroller: Basic examples on led interfacing bit format, Basic examples on led interfacing byte format, Button Interfacing: Button Interfacing with 8051 microcontroller, Button Tasks using 8051 Microcontrollers.

Relay: Introduction to relays, Relay Interfacing with 8051 microcontroller.

DC Motors: Introduction to dc motors and types, Simple dc motor interfacing with 8051 using motor driver, Simple moving robot using dc motors.

Day-3(10.11.2021)

Displays: Introduction to displays and types, 7 seg types and interfacing to 8051, Introduction to LCD, LCD interfacing in 4 bit and 8 bit mode to 8051.

Keypad: Introduction to matrix keypad, 4x3 keypad interfacing, Small example using keypad.

Day-4(11.11.2021)

Introduction to ARM7 (LPC2148): Overview of ARM7, Pin description and registers of ARM7, Example on logical operation, Number systems conversions, MDK installation, Led & Button Interfacing: Interfacing led to ARM7 & blink, Introduction to button and type of Configuration (pull up & down), Button configuration & controlling led, Relay and IR sensor: Introduction to IR sensor & relay Real time appliances controlling.

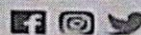
Day-5(12.11.2021)

LCD display: Introduction to 16x2 lcd, Interfacing 16x2 lcd in 4bit mode, Interfacing 16x2 lcd in 8 bit mode.



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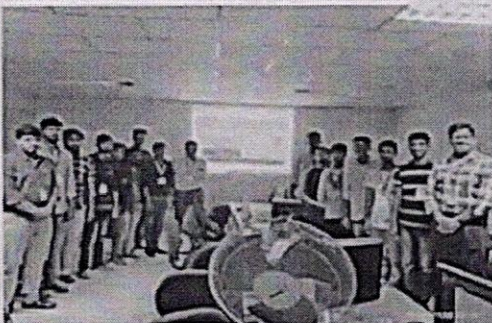
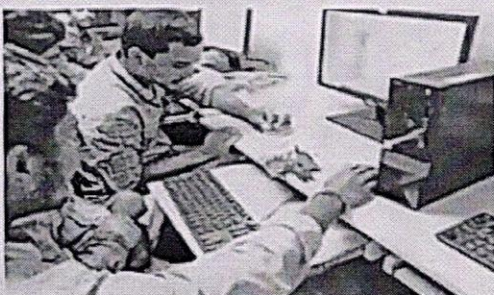
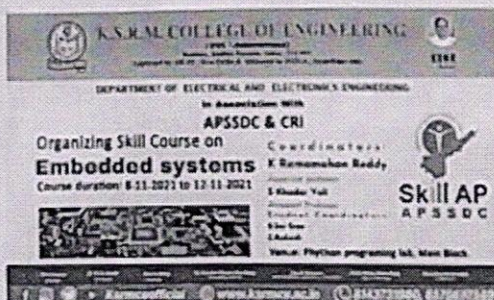
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Kadapa

Photos:



1) *P. Ramesh*
2) *S. Govate*
Coordinator(s)

Apurva
Head of the Department

V. S. S. Murthy
Principal

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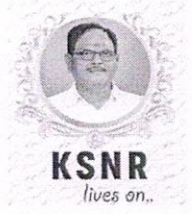
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Department of Electrical & Electronics Engineering

Date: 12.11.2021

Feedback

Name of the student: *K. Sakesh*

Roll Number: *199Y1A0226*

Email ID: *199Y1A0226@ksrmce.ac.in*

1. How would you rate the usefulness of the content

☒ 1. Strongly Agree 2. Agree 3. Neutral 4. Disagree 5. Strongly Disagree

2. Interaction of the faculty with the students

1. Strongly Agree ☒ 2. Agree 3. Neutral 4. Disagree 5. Strongly Disagree

3. How would you rate the presentation of the activity

1. Strongly Agree ☒ 2. Agree 3. Neutral 4. Disagree 5. Strongly Disagree

4. How would you rate the presentation style of teaching

☒ 1. Strongly Agree 2. Agree 3. Neutral 4. Disagree 5. Strongly Disagree

5. Was the workshop Above or Below your current skill level

☒ Above Below Just right

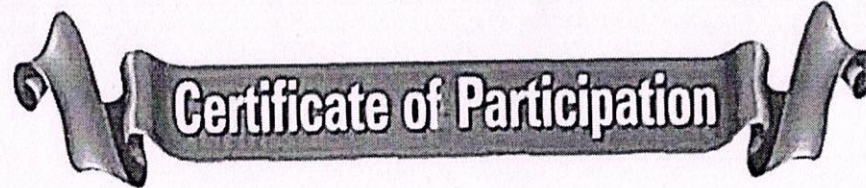
6. Any other suggestions

K. Sakesh
Signature of the student



Andhra Pradesh State Skill Development Corporation (APSSDC)

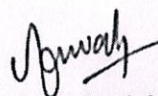
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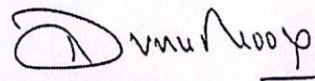


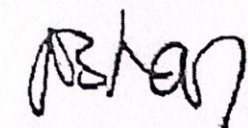
Cert.No. SDC/ES/0773

Regd Id : 199y1a0219

This is to certify that Mr./Ms./Mrs.....Kadiri Naveen
ofKSRM COLLEGE OF ENGINEERING..... has successfully
participated in Training Program onEmbedded Systems
held from08-11-2021.....to13-11-2021.....


Principal (or) HOD


Dr. D.V. Rama Koti Reddy
Executive Director
APSSDC


Sri N. Bangara Raju
MD, APSSDC