



SRI VENKATESWARA

COLLEGE OF ENGINEERING AND TECHNOLOGY

Thirupachur-631203, Tiruvallur TK & DT
Approved by AICTE New Delhi & Affiliated to Anna University, Chennai
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22ECEVAC01 - EMBEDDED SYSTEM PROGRAMMING FOR INDUSTRIAL APPLICATION

EVENT REPORT

Name of the Course: Embedded system programming for Industrial Application

Name of the Instructor: Mr. E. Murali, Asst Professor, SVCET

Mrs.S. Anusha, Asst Professor, SVCET

Year and Branch: II, III, IV, ME-VLSI- ELECTRONICS AND COMMUNICATION ENGINEERING

Duration of Course: 32 Hrs (29.08.2022 to 03.09.2022)

SUMMARY OF THE EVENT:

The Course was inaugurated on 29.08.2022 at 8.30 am by our respectable Principal and HOD. As per the Course plan session was started and went smooth for the Remaining days. On the last day 03.09.2022 by 3.30 pm the course was Completed Successfully.

During the Six Days of the program Students were participated with enthusiasm and they finally gained a knowledge on "Embedded system programming for Industrial Application".

ASSESMENT MODE:

No of Students Enrolled: 190

Scheme of Exam: Offline

No of Students appeared: 190

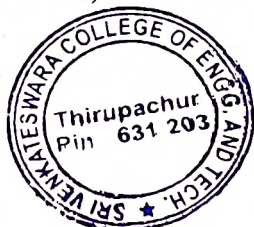
No of Students Passed: 190

Date of Exam: 03.09.2022

OUTCOME:

The students can be able to understand An Embedded system program provides the hardware to check the inputs & control outputs, respectively. In this procedure, the embedded program may have to command the processor's internal architecture directly like Timers, Interrupt Handling, I/O Ports, serial communications interface, etc.

COORDINATOR
(Mr. Anand Kumar)



HOD / ECE
(Mr. V. Rajesh Kumar)

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22ECEVAC01 -" EMBEDDED SYSTEM PROGRAMMING FOR INDUSTRIAL APPLICATION"

TEST QUESTION

1. Which memory storage is widely used in PCs and Embedded Systems?
 - a) EEPROM
 - b) Flash memory
 - c) SRAM
 - d) **DRAM**
2. How is the protection and security for an embedded system made?
 - a) Security chips
 - b) Memory disk security
 - c) **IPR**
 - d) OTP
4. Which type of memory is suitable for low volume production of embedded systems?
 - a) **Non-volatile**
 - b) RAM
 - c) Volatile
 - d) ROM
5. Which activity is concerned with identifying the task at the final embedded systems?
 - a) scheduling
 - b) **task-level concurrency management**
 - c) high-level transformation
 - d) compilation
5. Which activity is concerned with identifying the task at the final embedded systems?
 - a) scheduling
 - b) **task-level concurrency management**
 - c) high-level transformation
 - d) compilation
6. Which level simulates the algorithms that are used within the embedded systems?
 - a) **algorithmic level**
 - b) switch level
 - c) gate level
 - d) circuit level
7. How an embedded system communicate with the outside world?
 - a) Memory
 - b) Output
 - c) **Peripherals**
 - d) Input
8. Which of the following helps in reducing the energy consumption of the embedded system?
 - a) emulator
 - b) debugger
 - c) simulator
 - d) **compilers**



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9. What is the purpose of memory refresh register of Z80?
 - a) To control on-chip SRAM
 - b) To control on-chip DRAM**
 - c) To clear cache
 - d) To control ROM
10. What does MESI stand for?
 - a) modified exclusive system input
 - b) modifies embedded shared invalid
 - c) modified exclusive shared invalid**
 - d) modified exclusive stale invalid
11. Which of the following is the pin efficient method of communicating between other devices?
 - a) memory port
 - b) peripheral port
 - c) parallel port
 - d) serial port**
12. Which of the following is a traditional method for emulating the processor?
 - a) CPU simulator
 - b) SDS
 - c) ICE**
 - d) Low-level language simulator
13. Which of the following unit protects the memory?
 - a) memory management unit**
 - b) peripheral unit
 - c) execution unit
 - d) bus interface unit
14. Identify the standard software components that can be reused in an embedded system design?
 - a) memory
 - b) application software
 - c) application manager
 - d) operating system**
15. What does ICE stand for?
 - a) in-circuit EPOM
 - b) in-code emulation
 - c) in-circuit emulation**
 - d) in-code EPROM
16. Who proposed the first power model?
 - a) Tiwari**
 - b) Russell and Jacome
 - c) Russell
 - d) Jacome
17. Which of the following offers external chips for memory and peripheral interface circuits?
 - a) Embedded system
 - b) Peripheral system
 - c) Microcontroller
 - d) Microprocessor**



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18. What kind of socket does an external EPROM to plugged in for prototyping?
- a) Piggyback reset socket
 - b) Multi-socket
 - c) Piggyback**
 - d) Single socket
19. Which is the single device capable of providing prototyping support for a range of microcontroller?
- a) Umbrella device**
 - b) OTP
 - c) RAM
 - d) ROM
20. By which instruction does the switching of registers take place?
- a) Register instruction
 - b) EXX instruction
 - c) Instruction opcodes**
 - d) AXX instruction

COORDINATOR
(Mr. Anand Kumar)

HOD / ECE
(Mr. V. Rajeshkumar)



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22ECEVAC01 - EMBEDDED SYSTEM PROGRAMMING FOR INDUSTRIAL APPLICATION

Student Reg. No. & Name: 112421106008 & ESWARI.S

Sem & Year: 3rd & II Year

Date: 03.09.2022

Evaluating the following Question

1. Which memory storage is widely used in PCs and Embedded Systems?
a) EEPROM
b) Flash memory
c) SRAM
 d) DRAM
2. How is the protection and security for an embedded system made?
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b) Memory disk security
 c) IPR
d) OTP
3. Which type of memory is suitable for low volume production of embedded systems?
 a) Non-volatile
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4. Which activity is concerned with identifying the task at the final embedded systems?
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b) switch level
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d) circuit level
7. How an embedded system communicate with the outside world?
a) Memory
b) Output
 c) Peripherals
d) Input
8. Which of the following helps in reducing the energy consumption of the embedded system?
a) emulator
b) debugger
c) simulator
 d) compilers

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22ECEVAC01 - EMBEDDED SYSTEM PROGRAMMING FOR INDUSTRIAL APPLICATION

Course Code	22ECEVAC01
Name of the Course	EMBEDDED SYSTEM PROGRAMMING FOR INDUSTRIAL APPLICATION
Duration of the Course	32 HOURS
Academic Year	2022-23
Period of the Course	29.08.2022-03.09.2022

STUDENT EVALUATION SHEET

S.No	YEAR	REGISTER NUMBER	NAME OF STUDENTS	ATTENDANCE	MARK
1	II	112421106001	AJITH KUMAR G	32	80
2	II	112421106003	BALAJI M	32	80
3	II	112421106004	BASKAR S	32	85
4	II	112421106005	BHUVANESWARAN M	32	85
5	II	112421106006	DAKSHNAMOORTHY B	32	90
6	II	112421106007	DEEPIKA P	32	90
7	II	112421106008	ESWARI S	32	95
8	II	112421106011	GOMATHI R	32	95
9	II	112421106012	HEMACHANDRAN	32	80
10	II	112421106015	JESLIN DENNY D J	32	85
11	II	112421106016	KARTHICK S	32	90
12	II	112421106017	KAVIYARASU U	32	80
13	II	112421106019	KISHORE KUMAR B	32	85
14	II	112421106020	LEENA S	32	95
15	II	112421106022	MOHANRAJ P	32	80
16	II	112421106024	PRADHANA K	32	85



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S.No	YEAR	REGISTER NUMBER	NAME OF STUDENTS	ATTENDANCE	MARK
143	IV	112419106003	DIVYA A	32	80
144	IV	112419106005	ISSAC V	32	85
145	IV	112419106006	JAYASURYA A	32	90
146	IV	112419106007	LOKESHWARI S	32	95
147	IV	112419106008	MAGESH KUMAR E	32	95
148	IV	112419106010	NIVAS K	32	80
149	IV	112419106012	PRITHIVRAJ K	32	85
150	IV	112419106013	RAJKUMAR M	32	90
151	IV	112419106014	RAKESH S	32	95
152	IV	112419106015	RATHIKA R	32	80
153	IV	112419106016	RITHIKSHA B	32	80
154	IV	112419106017	SARITHA S	32	90
155	IV	112419106018	SELVA KUMAR C G	32	95
156	IV	112419106019	SHALINI M	32	90
157	IV	112419106020	SOFIYA R	32	95
158	IV	112419106021	SULOCHANA V	32	80
159	IV	112419106022	SURYA I	32	85
160	IV	112419106023	VASIGARAN S	32	85
161	IV	112419106024	VEERASAMY R	32	90
162	IV	112419106025	VIJAY S	32	95
163	IV	112419106303	HARIHARAN.V	32	80
164	IV	112419106304	KARTHICK.S	32	85
165	IV	112419106305	NIRANJAN.B	32	90
166	IV	112419106306	PRATHNASREE.S	32	95
167	IV	112419106307	RATISHKANNA.V	32	95



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17	II	112421106026	PREETHI P	32	85
18	II	112421106029	SARAN B	32	85
19	II	112421106030	SASIKIRAN R	32	90
20	II	112421106031	SURENDRHIRAN M K	32	95
21	II	112421106302	ABINASH J	32	80
22	II	112421106303	AJITH D	32	80
23	II	112421106304	ARAVIND V T	32	85
24	II	112421106305	ASMATH KHAN A	32	80
25	II	112421106306	BALAJI K	32	80
26	II	112421106307	BARATH R R	32	95
27	II	112421106308	BHAVANI K	32	90
28	II	112421106310	DEEBATH A	32	85
29	II	112421106311	DEEPIKA R	32	80
30	II	112421106312	DHANUSH S	32	85
31	II	112421106313	DINESH RAJ G M	32	80
32	II	112421106314	ESHWARAN M	32	85
33	II	112421106315	GAYATHRI P	32	80
34	II	112421106316	GOKUL R	32	80
35	II	112421106317	GOPIKRISHNAN S	32	80
36	II	112421106319	JANAKIRAMAN S	32	95
37	II	112421106320	KABILESH T R V	32	95
38	II	112421106322	KARAN M	32	90
39	II	112421106323	KARTHIK G	32	95
40	II	112421106324	KARTHIKEYAN S	32	95
41	II	112421106325	KESAVORE KUMAR A	32	80
42	II	112421106326	KUMAR D		



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43	II	112421106327	LINGESAN S	32	85
44	II	112421106328	MANOJ J	32	80
45	II	112421106330	MURUGAN M	32	95
46	II	112421106331	NITHISH KUMAR B	32	85
47	II	112421106332	PAUL RAJ S	32	80
48	II	112421106333	PRASANTH R(1999)	32	90
49	II	112421106334	PRASANTH R(2001)	32	85
50	II	112421106336	RAMKUMAR N	32	95
51	II	112421106337	RANJITH KUMAR R	32	80
52	II	112421106338	ROHINI P	32	95
53	II	112421106339	SATHISH V	32	80
54	II	112421106340	SATHYARAMAN N	32	95
55	II	112421106341	SELVAM A	32	90
56	II	112421106342	SRIDHAR S	32	85
57	II	112421106343	SUNIL V	32	90
58	II	112421106345	SURENDAR S	32	95
59	II	112421106346	TAMILNIDHI SURIYAN M	32	80
60	II	112421106347	TAMIZHAN S	32	95
61	II	112421106348	THOMAS J	32	90
62	II	112421106349	VASUMATHI M	32	85
63	III	112420106001	ARUT SELVI J	32	80
64	III	112420106002	DEEPIKA S	32	85
65	III	112420106003	ELAVARASAI A	32	90
66	III	112420106004	ISWARYA S	32	95
67	III	112420106005	PARKAVI J	32	95

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118	III	112420106356	SANDHIYA S	32	85
119	III	112420106359	SARAN Y	32	80
120	III	112420106360	SARATHKUMAR A	32	90
121	III	112420106361	SARAVANAN V	32	95
122	III	112420106362	SATHISHKUMAR R	32	85
123	III	112420106363	SELVA KUMAR M	32	80
124	III	112420106366	SIVAKANTHAN M	32	80
125	III	112420106368	SUBASH M	32	85
126	III	112420106371	SURIYAMOORTHY N	32	90
127	III	112420106372	SURYA K	32	95
128	III	112420106373	TAMIL SELVAN P	32	90
129	III	112420106375	VARADHARAJ S	32	90
130	III	112420106377	VASANTHAKUMAR S	32	95
131	III	112420106378	VASANTHKUMAR A	32	80
132	III	112420106379	VENKATESAN A	32	85
133	III	112420106380	VIJAY J	32	80
134	III	112420106381	VINITH P	32	90
135	III	112420106382	VISHVA C	32	95
136	III	112420106384	YUVARAJ M	32	95
137	III	112420106385	YUVARAJ V	32	80
138	III	112420106386	ABDUL KAYYUM S	32	85
139	III	112420106387	SURESHBABU C	32	90
140	III	112420106388	SATHYA MURTHY K	32	95
141	IV	112419106001	ABISHIKTHA A	32	90
142	IV	112419106002	DHANUSH M	32	80



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68	III	112420106006	POORNA CHANDRA M	32	85
69	III	112420106007	PRADEESH.S.R	32	80
70	III	112420106008	PUNNIYAKODI R	32	80
71	III	112420106009	SATHIYAPRIYA K S	32	90
72	III	112420106010	TAMILARASI M	32	90
73	III	112420106011	THEJESHWAR.B.B	32	85
74	III	112420106301	AJITHKUMAR A	32	85
75	III	112420106302	AJITHRAJ R	32	80
76	III	112420106303	AKASH R	32	95
77	III	112420106305	ARUN KUMAR A	32	85
78	III	112420106307	ASHOK KUMAR A	32	90
79	III	112420106308	BALAJI M	32	95
80	III	112420106309	BHARATHI M	32	80
81	III	112420106310	BOOMIRAJAN S	32	80
82	III	112420106311	CHENGUTTUVAN M	32	95
83	III	112420106312	CHIRANJEEVI S	32	85
84	III	112420106313	DEEPAK J	32	90
85	III	112420106314	DHANACHEZHIAN M	32	80
86	III	112420106315	DHANUSH M	32	85
87	III	112420106318	DIVAKAR R	32	90
88	III	112420106319	GANESAN M	32	95
89	III	112420106321	HARIBABU M	32	85
90	III	112420106322	HARIHARAN K L	32	80
91	III	112420106324	HARIKARAN A	32	95
92	III	112420106325	JAYAKANTHAN K	32	85



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93	III	112420106327	KAVIN V	32	85
94	III	112420106328	KEERTHANA D	32	90
95	III	112420106329	KUMAR B	32	80
96	III	112420106330	LAKSHMIPRIYA A S	32	90
97	III	112420106331	MAGESH A	32	85
98	III	112420106332	MAGESH M	32	80
99	III	112420106333	MANIKANDAN J	32	80
100	III	112420106334	MOHAN G	32	90
101	III	112420106335	MOREISHWAR J	32	95
102	III	112420106336	NAVEEN KUMAR G	32	80
103	III	112420106337	NAVEEN KUMAR G N	32	92
104	III	112420106338	NEELAKANDAN K	32	80
105	III	112420106340	PARTHASARATHY J	32	95
106	III	112420106341	PARTHIBAN D	32	90
107	III	112420106342	PRABU V	32	80
108	III	112420106343	PRAVEEN KUMAR J	32	80
109	III	112420106346	RAHUL R M	32	90
110	III	112420106347	RAJASEKAR L	32	89
111	III	112420106348	RAJENDRAN S	32	95
112	III	112420106349	RAJENDRA PRASAD D	32	90
113	III	112420106350	RAVICHANDRAN R	32	95
114	III	112420106351	RAVIKUMAR R	32	85
115	III	112420106352	ROHITH M	32	95
116	III	112420106353	RUTHRAN C	32	80
117	III	112420106354	SAMIVEL S	32	90



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168	IV	112419106308	SARAVANAN.S	32	80
169	IV	112419106309	SHEEBHA.R	32	85
170	IV	112419106310	SURYA.C	32	85
171	I-ME-VLSI	112422419001	AISWARYA S	32	90
172	I-ME-VLSI	112422419002	ANISHA	32	95
173	I-ME-VLSI	112422419003	AARTHI V	32	95
174	I-ME-VLSI	112422419004	BEULAH R	32	95
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179	I-ME-VLSI	112422419010	PAVITHRA P	32	85
180	I-ME-VLSI	112422419012	SWETHA V	32	85
181	II-ME-VLSI	112421419001	JANANI G	32	90
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184	II-ME-VLSI	112421419006	PREETHA A	32	85
185	II-ME-VLSI	112421419007	PRIYADHARSHINI R	32	85
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187	II-ME-VLSI	112421419011	SATHYARAJ R	32	95
188	II-ME-VLSI	112421419016	SUMAN M	32	95
189	II-ME-VLSI	112421419017	SUSMITHA R	32	80
190	II-ME-VLSI	112421419018	VAIRAMUTHU G	32	95


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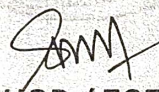
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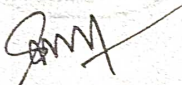
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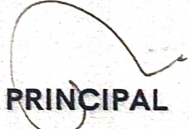
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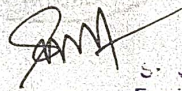
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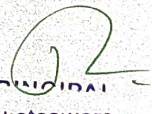
This is to certify that Mr/Ms **B.KUMAR(112420106329)**..... UG/PG

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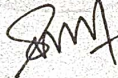
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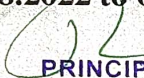
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