

**Value added Course-**  
**Developing Applications in Wireless Communications and Image Processing using Embedded Systems**

Objective: The students get hands-on practical basics in Tinker cad, Image Processing, Wireless Communication and CN. This VAC must enable the students to visualise and the problems related to this domain. Further small tasks related to an application is implemented by students.

Below are the contents in the course. Each of the topics is covered in 2hrs , total 30 hrs:

**Embedded Systems:**

1. Introduction to Tinker cad, Battery Testing and Use of Multimeter
2. Blinking LED, Simulation of Traffic Signal
3. LED Pattern Generation, Interfacing of Switch, LCD,
4. Intensity control of LED, Bi-Directional Visitor Counter
5. Automatic Room Lighting System, Relay Driver for Relay interfacing

**Image Processing:**

6. Introduction to Image Processing and Applications
7. Basic image processing operations using MATLAB
8. Introduction of OpenCV for Image processing
9. Filtering in spatial and frequency domain using MATLAB
10. Image segmentation using MATLAB

**Wireless Communications and Computer Networks :**

11. Introduction to Computer Networks- TCP/IP , OSI model
12. Introduction to Cisco Packet Tracer, Configuration of basic network
13. Understanding the working of bridges, switches and routers
14. Implementation of routing protocols-RIP, OSPF in packet tracer
15. Implementation of FTP & Email in packet tracer (1hr).
16. Developing one application in above topics(1hr)

  
Dr Renjuka Devi SM  
Co-ordinator

  
Dr. B. Venkateshulu  
HoD -ECE

Value added course on

“Developing Applications in Wireless Communications and Image Processing using Embedded Systems”

Attendance Sheet

Class: III BTech ECE-A

S.No	StudentName	Start Date: 04/11/2021 to End Date: 23/12/2021															
		03/11	11/11	12/11	18/11	20/11	25/11	26/11	02/12	03/12	09/12	10/12	16/12	17/12	20/12	22/12	23/12
1	ARAVA VEDABHISHIKTA	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
2	ABARRANE EMMANUAL PALA	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
3	ALEKHYA PATHAK	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
4	BAYAPUREDDY GEETHA VANI	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
5	BASIREDDYGARI SATHVIKA	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
6	BOIN PRASHAMSA	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
7	BOORLA VARSHINI	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
8	BOYALLA JAHNAVI	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
9	CHAWVA KIRANMAI	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
10	CHENAMALLA YASHASHWINI	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
11	CHINNALA ANUSHA	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
12	DEEKONDA ESHWARI	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
13	DONTHULA BHAVANA YADAV	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
14	ESA SAI SINDHU	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
15	G DEEPSHIKHA	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
16	GANDI JYOSTHAPREETHI	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A



42	UTTARA NANDURI	Utt	A	Utt	Utt	A	Utt	Utt	Utt	A	Utt	Utt	A	Utt	Utt	A	Utt
43	THOKALA PAVANI	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa	Pa
44	SRIGADA SATHWIKA																
45	NENAVATH POOJA	Poo	Poo	Poo	Poo	Poo	Poo	Poo	Poo	Poo	Poo	Poo	Poo	Poo	Poo	Poo	Poo
46	SHRUTHIKA KEERTHI PERKA	Per	Per	Per	Per	Per	Per	Per	Per	Per	Per	Per	Per	Per	Per	Per	Per
47	PALWAI SHLOKA REDDY	Shlo	Shlo	Shlo	Shlo	Shlo	Shlo	Shlo	Shlo	Shlo	Shlo	Shlo	Shlo	Shlo	Shlo	Shlo	Shlo
48	PILLALAMARRI JAGRUTHI	Jagr	Jagr	Jagr	Jagr	Jagr	Jagr	Jagr	Jagr	Jagr	Jagr	Jagr	Jagr	Jagr	Jagr	Jagr	Jagr
49	PRIYANKA	Priy	A	Priy	Priy	Priy	Priy	Priy	A	Priy	Priy	Priy	A	Priy	Priy	Priy	Priy
50	S SUSHMA	Sush	Sush	Sush	Sush	Sush	Sush	Sush	Sush	Sush	Sush	Sush	Sush	Sush	Sush	Sush	Sush
51	SAI PRIYA KAMUNI	Sai	A	Sai	Sai	A	Sai	Sai	Sai	A	Sai	Sai	A	Sai	Sai	Sai	Sai
52	SAI SUNIDHI PABBA	Sun	Sun	A	Sun	Sun	Sun	Sun	A	Sun	Sun	A	Sun	Sun	Sun	A	Sun
53	SHAIK SHAYASTHA																
54	SPOORTHI G KUNCH	Spo	Spo	Spo	Spo	A	Spo	Spo	Spo	A	Spo	Spo	A	Spo	Spo	Spo	Spo
55	PRANATI TANTRAVAH	Pran	Pran	Pran	A	Pran	Pran	Pran	A	Pran	Pran	A	Pran	Pran	A	Pran	Pran
56	TELUGU HEMALATHA	Hem	Hem	Hem	Hem	Hem	Hem	Hem	Hem	Hem	Hem	Hem	Hem	Hem	Hem	Hem	Hem
57	THIRAMDASU SUCHARITHA	Such	Such	Such	Such	Such	Such	Such	Such	Such	Such	Such	Such	Such	Such	Such	Such
58	THURLAPATI HARINI	Har	Har	Har	Har	Har	Har	Har	Har	Har	Har	Har	Har	Har	Har	Har	Har
59	TUMMALAPALLI SPOORTHI REDDY	Spo	Spo	Spo	Spo	Spo	Spo	Spo	Spo	Spo	Spo	Spo	Spo	Spo	Spo	Spo	Spo
60	VENNA LIKITHA REDDY	Lik	A	Lik	Lik	A	Lik	Lik	Lik	A	Lik	Lik	Lik	Lik	Lik	A	Lik
61	SATHVIKA VALA	Sath	Sath	Sath	A	Sath	Sath	Sath	Sath	A	Sath	Sath	Sath	Sath	Sath	Sath	Sath
62	VENNAMANENI SHRESHTA	Shre	Shre	A	Shre	Shre	Shre	Shre	Shre	A	Shre	Shre	Shre	Shre	Shre	Shre	Shre
63	VADITHAVATH AKANKSHA	Akan	Akan	Akan	Akan	Akan	Akan	Akan	Akan	Akan	Akan	Akan	Akan	Akan	Akan	Akan	Akan
64	VARALA NAMITHA PATEL	Nam	Nam	Nam	Nam	Nam	Nam	Nam	Nam	Nam	Nam	Nam	Nam	Nam	Nam	Nam	Nam
65	KUNCHALA HEMAVATHI	Hem	Hem	Hem	Hem	Hem	Hem	Hem	Hem	Hem	Hem	Hem	Hem	Hem	Hem	Hem	Hem

66	BISAI SUNEETHA	<u>Sun</u>	<u>Sun</u>	<u>Sun</u>	<u>Sun</u>	<u>Sun</u>	<u>Sun</u>	<u>Sun</u>	<u>Sun</u>	<u>Sun</u>	<u>Sun</u>	<u>Sun</u>	<u>Sun</u>	<u>Sun</u>	<u>Sun</u>	<u>Sun</u>	<u>Sun</u>
67	AMULA RESHMITHA			A				A				A				A	

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**Attendance Sheet**

Class: III BTech ECE-B

S.No	StudentName	Start Date: 09/11/2021 to End Date: 23/12/2021															
		03/11	11/11	12/11	13/11	20/11	25/11	26/11	02/12	03/12	09/12	10/12	16/12	17/12	20/12	22/12	23/12
1	AKKINAPALLI JAHNAVI	Just	A	Just	Just	A	Just	Just	A	Just	Just	A	Just	Just	Just	A	Just
2	AKOJU SRINIDHI	Nidhi	Nidhi	A	Nidhi	Nidhi	Nidhi	Nidhi	A	Nidhi	Nidhi	A	A	Nidhi	Nidhi	Nidhi	Nidhi
3	AMEENA JUHI	A	Just	Just	Just	A	Just	Just	Just	Just	Just	Just	Just	Just	Just	A	A
4	BANDLAMUDI SATHVIKA	Just	Just	A	Just	Just	Just	Just	A	Just	Just	A	Just	Just	Just	A	Just
5	BADDAM NIHALINI REDDY	A	Just	Just	A	Just	A	Just	Just	A	Just	Just	Just	A	Just	Just	Just
6	BASU AKHILA	Keerthi	Keerthi	Keerthi	Keerthi	A	Keerthi	Keerthi	A	Keerthi	Keerthi	A	Keerthi	Keerthi	A	Keerthi	Keerthi
7	BILLA KEERTHANA	Keerthi	A	Keerthi	Keerthi	Keerthi	Keerthi	Keerthi	Keerthi	A	Keerthi	Keerthi	Keerthi	Keerthi	Keerthi	Keerthi	Keerthi
8	CHADIVE NEHA	Neha	Neha	Neha	Neha	A	Neha	A	Neha	Neha	Neha	Neha	A	Neha	Neha	Neha	A
9	CHOWLA PAVANI	A	ch.Pavani	ch.Pavani	A	ch.Pavani	ch.Pavani	ch.Pavani	ch.Pavani	A	ch.Pavani	ch.Pavani	ch.Pavani	ch.Pavani	A	ch.Pavani	ch.Pavani
10	CILUVERU HARIPRIYA	Uthasi	A	Uthasi	Uthasi	Uthasi	A	Uthasi	Uthasi	Uthasi	A	Uthasi	Uthasi	A	Uthasi	Uthasi	A
11	DORNALA RAVISALINI	Ravi	Ravi	A	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi	Ravi
12	G MEGHANA	G.Megha	Megha	Megha	Megha	A	Megha	Megha	Megha	Megha	Megha	A	Megha	Megha	A	Megha	Megha
13	G NIHARIKA	Nilu	A	Nilu	Nilu	Nilu	Nilu	Nilu	A	Nilu	Nilu	Nilu	Nilu	Nilu	Nilu	Nilu	Nilu
14	TEJASWINI GORRIPOTU	Ji	Ji	Ji	Ji	Ji	A	Ji	Ji	Ji	A	Ji	Ji	A	Ji	Ji	Ji
15	GADDAM CHAITANYA	Chaitany	Chaitany	Chaitany	A	Chaitany	Chaitany	Chaitany	Chaitany	Chaitany	Chaitany	Chaitany	Chaitany	Chaitany	Chaitany	A	Chaitany

16	GADDAM SREEJA	G.sreeja	A	G.sreeja	G.sreeja	G.sreeja	G.sreeja	A	G.sreeja	G.sreeja	G.sreeja	A	G.sreeja	G.sreeja	A	G.sreeja	G.sreeja
17	GUJARATHI SHALINI	shal	shal	shal	A	shal	shal	shal	A	shal	shal	shal	shal	A	shal	shal	shal
18	GUNCHETI NIHARIKA	any	any	any	A	any	any	any	A	any	any	any	any	A	any	any	any
19	GUNDALA KOUSTUBHA	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
20	HARSHINI BESTHA	Har	Har	A	Har	Har	Har	Har	A	Har	Har	Har	A	Har	Har	Har	Har
21	MARPADAGA BHAVANA	M.Bhav	M.Bhav	M.Bhav	M.Bhav	M.Bhav	M.Bhav	M.Bhav	M.Bhav	M.Bhav	M.Bhav	M.Bhav	M.Bhav	M.Bhav	M.Bhav	M.Bhav	M.Bhav
22	SUKKA KEERTHANA				A				A					A			
23	JAMALAPURAPU SRI VAISHNAVI	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi
24	JANGALAPELLI SATHWIKA	J.sathwi	J.sathwi	J.sathwi	J.sathwi	J.sathwi	J.sathwi	J.sathwi	J.sathwi	J.sathwi	J.sathwi	J.sathwi	J.sathwi	J.sathwi	J.sathwi	J.sathwi	J.sathwi
25	JERIPOTHULA SWETHLANA	J.sweth	J.sweth	J.sweth	J.sweth	J.sweth	J.sweth	J.sweth	J.sweth	J.sweth	J.sweth	J.sweth	J.sweth	J.sweth	J.sweth	J.sweth	J.sweth
26	KANUMURU MEGHANA		A					A				A				A	
27	K AARTHI REDDY	Aarthi	Aarthi	Aarthi	Aarthi	Aarthi	Aarthi	Aarthi	Aarthi	Aarthi	Aarthi	Aarthi	Aarthi	Aarthi	Aarthi	Aarthi	Aarthi
28	KUTEDDULA LAHARI	lahari	lahari	lahari	lahari	lahari	lahari	lahari	lahari	lahari	lahari	lahari	lahari	lahari	lahari	lahari	lahari
29	KESIDI SIRI	Siri	Siri	Siri	Siri	Siri	Siri	Siri	Siri	Siri	Siri	Siri	Siri	Siri	Siri	Siri	Siri
30	M CHARITHA	M.charitha	M.charitha	M.charitha	M.charitha	M.charitha	M.charitha	M.charitha	M.charitha	M.charitha	M.charitha	M.charitha	M.charitha	M.charitha	M.charitha	M.charitha	M.charitha
31	MADDIREDDY NAGACHARISHMA	Charishma	Charishma	Charishma	Charishma	Charishma	Charishma	Charishma	Charishma	Charishma	Charishma	Charishma	Charishma	Charishma	Charishma	Charishma	Charishma
32	MAILARAM VANI	M.vani	M.vani	M.vani	M.vani	M.vani	M.vani	M.vani	M.vani	M.vani	M.vani	M.vani	M.vani	M.vani	M.vani	M.vani	M.vani
33	MEDHAVATH SNEHA	M.Sneha	M.Sneha	M.Sneha	M.Sneha	M.Sneha	M.Sneha	M.Sneha	M.Sneha	M.Sneha	M.Sneha	M.Sneha	M.Sneha	M.Sneha	M.Sneha	M.Sneha	M.Sneha
34	MEDIBOYINA SAI NAGA SOWMYA CHANDANA	M.chandana	M.chandana	M.chandana	M.chandana	M.chandana	M.chandana	M.chandana	M.chandana	M.chandana	M.chandana	M.chandana	M.chandana	M.chandana	M.chandana	M.chandana	M.chandana
35	BALU MEGHANA	Meghana	Meghana	A	Meghana	Meghana	Meghana	A	Meghana	Meghana	Meghana	A	Meghana	Meghana	Meghana	A	Meghana
36	MIDDELA PRAGNASRI	Pragnasri	Pragnasri	Pragnasri	Pragnasri	Pragnasri	Pragnasri	Pragnasri	Pragnasri	Pragnasri	Pragnasri	Pragnasri	Pragnasri	Pragnasri	Pragnasri	Pragnasri	Pragnasri

37	MODIUM MADHURYA	Madhurya	Madhurya	Madhurya	Madhurya	Madhurya	Madhurya	Madhurya	Madhurya	Madhurya	Madhurya	Madhurya	Madhurya	Madhurya	Madhurya	Madhurya	Madhurya	Madhurya	Madhurya
38	MOUNIKA PAMARTI	Mounika	Mounika	Mounika	Mounika	Mounika	Mounika	Mounika	Mounika	Mounika	Mounika	Mounika	Mounika	Mounika	Mounika	Mounika	Mounika	Mounika	Mounika
39	MUGALA NAVEENA	Mugala	Mugala	Mugala	Mugala	Mugala	Mugala	Mugala	Mugala	Mugala	Mugala	Mugala	Mugala	Mugala	Mugala	Mugala	Mugala	Mugala	Mugala
40	MUVVA HASMITHA	Has	Has	Has	Has	Has	Has	Has	Has	Has	Has	Has	Has	Has	Has	Has	Has	Has	Has
41	NALLAMILI SATHANYA LALITHA REDDY	Nallamilli	Nallamilli	Nallamilli	Nallamilli	Nallamilli	Nallamilli	Nallamilli	Nallamilli	Nallamilli	Nallamilli	Nallamilli	Nallamilli	Nallamilli	Nallamilli	Nallamilli	Nallamilli	Nallamilli	Nallamilli
42	NENAVATH KALAVATHI	Kalavathi	Kalavathi	Kalavathi	Kalavathi	Kalavathi	Kalavathi	Kalavathi	Kalavathi	Kalavathi	Kalavathi	Kalavathi	Kalavathi	Kalavathi	Kalavathi	Kalavathi	Kalavathi	Kalavathi	Kalavathi
43	LADE HRUSHITHA	Hrushitha	Hrushitha	Hrushitha	Hrushitha	Hrushitha	Hrushitha	Hrushitha	Hrushitha	Hrushitha	Hrushitha	Hrushitha	Hrushitha	Hrushitha	Hrushitha	Hrushitha	Hrushitha	Hrushitha	Hrushitha
44	GOUDA NEERAJA	Neeraja	Neeraja	Neeraja	Neeraja	Neeraja	Neeraja	Neeraja	Neeraja	Neeraja	Neeraja	Neeraja	Neeraja	Neeraja	Neeraja	Neeraja	Neeraja	Neeraja	Neeraja
45	NOOKALA USHA KIRAN	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha
46	POKALA AVANTIKA	Avantika	Avantika	Avantika	Avantika	Avantika	Avantika	Avantika	Avantika	Avantika	Avantika	Avantika	Avantika	Avantika	Avantika	Avantika	Avantika	Avantika	Avantika
47	PASULA PALLAVI	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi	Pallavi
48	POLAVENI SOUMYA	Soumya	Soumya	Soumya	Soumya	Soumya	Soumya	Soumya	Soumya	Soumya	Soumya	Soumya	Soumya	Soumya	Soumya	Soumya	Soumya	Soumya	Soumya
49	POTUKUCHI AJITA	Ajita	Ajita	Ajita	Ajita	Ajita	Ajita	Ajita	Ajita	Ajita	Ajita	Ajita	Ajita	Ajita	Ajita	Ajita	Ajita	Ajita	Ajita
50	RETURI NEHATA SREEYA	Sreeya	Sreeya	Sreeya	Sreeya	Sreeya	Sreeya	Sreeya	Sreeya	Sreeya	Sreeya	Sreeya	Sreeya	Sreeya	Sreeya	Sreeya	Sreeya	Sreeya	Sreeya
51	RAHENA	Rahena	Rahena	Rahena	Rahena	Rahena	Rahena	Rahena	Rahena	Rahena	Rahena	Rahena	Rahena	Rahena	Rahena	Rahena	Rahena	Rahena	Rahena
52	REENA GALIPOTHU	Reena	Reena	Reena	Reena	Reena	Reena	Reena	Reena	Reena	Reena	Reena	Reena	Reena	Reena	Reena	Reena	Reena	Reena
53	REGALLA AMRUTHA	Amrutha	Amrutha	Amrutha	Amrutha	Amrutha	Amrutha	Amrutha	Amrutha	Amrutha	Amrutha	Amrutha	Amrutha	Amrutha	Amrutha	Amrutha	Amrutha	Amrutha	Amrutha
54	SAI SATHVIKA DARAVATH	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika
55	SAMUDRALA SHINY	Shiny	Shiny	Shiny	Shiny	Shiny	Shiny	Shiny	Shiny	Shiny	Shiny	Shiny	Shiny	Shiny	Shiny	Shiny	Shiny	Shiny	Shiny
56	SHAIK JUVERIYA	Juveriya	Juveriya	Juveriya	Juveriya	Juveriya	Juveriya	Juveriya	Juveriya	Juveriya	Juveriya	Juveriya	Juveriya	Juveriya	Juveriya	Juveriya	Juveriya	Juveriya	Juveriya
57	SHAIK RUKHSANA TABASSUM	Tabassum	Tabassum	Tabassum	Tabassum	Tabassum	Tabassum	Tabassum	Tabassum	Tabassum	Tabassum	Tabassum	Tabassum	Tabassum	Tabassum	Tabassum	Tabassum	Tabassum	Tabassum
58	AKSHITHA TUNKI	Akshitha	Akshitha	Akshitha	Akshitha	Akshitha	Akshitha	Akshitha	Akshitha	Akshitha	Akshitha	Akshitha	Akshitha	Akshitha	Akshitha	Akshitha	Akshitha	Akshitha	Akshitha



B Sec

59	THOKALA SHREYA	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya	Shreya
60	TARLADA KIRANMAI	Tarlamai	Tarlamai	Tarlamai	Tarlamai	Tarlamai	Tarlamai	Tarlamai	Tarlamai	Tarlamai	Tarlamai	Tarlamai	Tarlamai	Tarlamai	Tarlamai	Tarlamai	Tarlamai	Tarlamai
61	V MEGHANA	Meghana	Meghana	Meghana	Meghana	Meghana	Meghana	Meghana	Meghana	Meghana	Meghana	Meghana	Meghana	Meghana	Meghana	Meghana	Meghana	Meghana
62	VAMANABHATLA SACHITHA SHARMA	Sachitha	Sachitha	Sachitha	Sachitha	Sachitha	Sachitha	Sachitha	Sachitha	Sachitha	Sachitha	Sachitha	Sachitha	Sachitha	Sachitha	Sachitha	Sachitha	Sachitha
63	VEMULA SIVA SHAHITHA	Siva	Siva	Siva	Siva	Siva	Siva	Siva	Siva	Siva	Siva	Siva	Siva	Siva	Siva	Siva	Siva	Siva
64	BEGARI DEEKSHA	Deeksha	Deeksha	Deeksha	Deeksha	Deeksha	Deeksha	Deeksha	Deeksha	Deeksha	Deeksha	Deeksha	Deeksha	Deeksha	Deeksha	Deeksha	Deeksha	Deeksha
65	MARLA LAYAMADHURI	Layamadhuri	Layamadhuri	Layamadhuri	Layamadhuri	Layamadhuri	Layamadhuri	Layamadhuri	Layamadhuri	Layamadhuri	Layamadhuri	Layamadhuri	Layamadhuri	Layamadhuri	Layamadhuri	Layamadhuri	Layamadhuri	Layamadhuri
66																		
67																		

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Class: III BTech ECE-C

S.No	StudentName	Start Date: 04/11/2021 to End Date: 23/12/2021															
		03/11	11/11	12/11	18/11	20/11	25/11	26/11	02/12	03/12	09/12	10/12	16/12	17/12	20/12	22/12	23/12
1	KANCHI PAVITHRA	Kanchi	Kanchi	Kanchi	Kanchi	Kanchi	Kanchi	Kanchi	Kanchi	Kanchi	Kanchi	Kanchi	Kanchi	Kanchi	Kanchi	Kanchi	Kanchi
2	ABBATHINI SOUMYA	Abbathi	Abbathi	Abbathi	Abbathi	Abbathi	Abbathi	Abbathi	Abbathi	Abbathi	Abbathi	Abbathi	Abbathi	Abbathi	Abbathi	Abbathi	Abbathi
3	AMIREDDY MANASWINI	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
4	ARISSETY SRI RAMAN	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
5	ARWAPALLY LIKHITHA	Likhitha	Likhitha	Likhitha	Likhitha	Likhitha	Likhitha	Likhitha	Likhitha	Likhitha	Likhitha	Likhitha	Likhitha	Likhitha	Likhitha	Likhitha	Likhitha
6	BETTELA SRUTHI				A					A							
7	BADDALA KUNDANA	Kundana	Kundana	Kundana	Kundana	Kundana	Kundana	Kundana	Kundana	Kundana	Kundana	Kundana	Kundana	Kundana	Kundana	Kundana	Kundana
8	BATTULA MEGHANA	A						A					A				
9	BUGGANOLLA MEGHANA	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
10	CHAKRAVARTHULA SHARANYA	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
11	DUMPA AISHWARYA	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
12	DIVYA VANAM	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
13	GOTTIPATI ASHLESHA	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
14	GAJALA SRAVYA	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
15	GAJULAPALLY BHANU SRI	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G

10/12

16	GAJULA SAROJA		A							A				A		
17	JAHNAVI M			A		A			A			A				
18	JARUPLA USHA KIRAN	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha	Usha
19	KOTHA AMRUTHA	A		A						A						A
20	KOYYADA SAI MANISHA	Manisha	manisha	Manisha	Manisha	Manisha	Manisha	Manisha	Manisha	Manisha	Manisha	Manisha	Manisha	Manisha	Manisha	Manisha
21	KATAKAM MAHIMA SRI	Mahima	Mahima	Mahima	Mahima	Mahima	Mahima	Mahima	Mahima	Mahima	Mahima	Mahima	Mahima	Mahima	Mahima	Mahima
22	DASARI NEHA	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha	Neha
23	PEDDAPATLA JAAHNAVI	Jri	Jri	Jri	Jri	Jri	Jri	Jri	Jri	Jri	Jri	Jri	Jri	Jri	Jri	Jri
24	SRIKAKOLAPU HARSHINI	Harshini	A	Harshini	Harshini	Harshini	A	Harshini	Harshini	Harshini	A	Harshini	Harshini	Harshini	A	Harshini
25	KORIMI SATHVIKA	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika	Sathvika
26	M KAVYA	Kavya	Kavya	Kavya	Kavya	Kavya	Kavya	Kavya	Kavya	Kavya	Kavya	Kavya	Kavya	Kavya	Kavya	Kavya
27	ROSHINI MANCHINA	Roshini	Roshini	Roshini	Roshini	Roshini	Roshini	Roshini	Roshini	Roshini	Roshini	Roshini	Roshini	Roshini	Roshini	Roshini
28	MALLIDI SNEHA	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha	Sneha
29	MANDA HEPHSIBA	Hephisba	Hephisba	Hephisba	Hephisba	Hephisba	Hephisba	Hephisba	Hephisba	Hephisba	Hephisba	Hephisba	Hephisba	Hephisba	Hephisba	Hephisba
30	MARINGANTI PRANEETHA	Praneetha	Praneetha	Praneetha	Praneetha	Praneetha	Praneetha	Praneetha	Praneetha	Praneetha	Praneetha	Praneetha	Praneetha	Praneetha	Praneetha	Praneetha
31	MASINI CHAITANYA	Chaitanya	Chaitanya	Chaitanya	Chaitanya	Chaitanya	Chaitanya	Chaitanya	Chaitanya	Chaitanya	Chaitanya	Chaitanya	Chaitanya	Chaitanya	Chaitanya	A
32	TALLAPALLY MEGHANA	Meghana	Megha	Megha	Megha	Megha	Megha	Megha	Megha	Megha	Megha	Megha	Megha	Megha	Megha	Megha
33	MEKALA SAI VYSHNAVI	Vishnavi	Vishnavi	Vishnavi	Vishnavi	Vishnavi	Vishnavi	Vishnavi	Vishnavi	Vishnavi	Vishnavi	Vishnavi	Vishnavi	Vishnavi	Vishnavi	Vishnavi
34	METTU BHAVANA REDDY	Bhavana	Bhavana	Bhavana	Bhavana	Bhavana	Bhavana	Bhavana	Bhavana	Bhavana	Bhavana	Bhavana	Bhavana	Bhavana	Bhavana	A
35	MOTLAKUNTA DEEPIKA	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika	Deepika
36	NUNNA LAKSHMI CHAITRA	Chaitra	Chaitra	Chaitra	Chaitra	Chaitra	Chaitra	Chaitra	Chaitra	Chaitra	Chaitra	Chaitra	Chaitra	Chaitra	A	A
37	N NIHARIKA	Niharika	Niharika	Niharika	Niharika	Niharika	Niharika	Niharika	Niharika	Niharika	Niharika	Niharika	Niharika	Niharika	A	
38	NAINALA POOJITHA	Poojitha	Poojitha	Poojitha	Poojitha	Poojitha	Poojitha	Poojitha	Poojitha	Poojitha	Poojitha	Poojitha	Poojitha	Poojitha	A	A

16/12

39	ORAMPATI HANISHA	P. Hanish	P. Hanish	P. Hanish	P. Hanish	P. Hanish	P. Hanish	P. Hanish	P. Hanish	P. Hanish	P. Hanish	P. Hanish	P. Hanish	P. Hanish	P. Hanish	P. Hanish	P. Hanish	P. Hanish	P. Hanish
40	P BHARGAVI	P. Bhargavi	P. Bhargavi	P. Bhargavi	P. Bhargavi	P. Bhargavi	P. Bhargavi	P. Bhargavi	P. Bhargavi	P. Bhargavi	P. Bhargavi	P. Bhargavi	P. Bhargavi	P. Bhargavi	P. Bhargavi	P. Bhargavi	P. Bhargavi	P. Bhargavi	P. Bhargavi
41	POTHULA HARSHA VEENA	P. Harsha	P. Harsha	P. Harsha	P. Harsha	P. Harsha	P. Harsha	P. Harsha	P. Harsha	P. Harsha	P. Harsha	P. Harsha	P. Harsha	P. Harsha	P. Harsha	P. Harsha	P. Harsha	P. Harsha	P. Harsha
42	POTRU DISHA	P. Disha	P. Disha	P. Disha	P. Disha	P. Disha	P. Disha	P. Disha	P. Disha	P. Disha	P. Disha	P. Disha	P. Disha	P. Disha	P. Disha	P. Disha	P. Disha	P. Disha	P. Disha
43	PAGILLA SINDHUJA	S. Sindhu	S. Sindhu	S. Sindhu	S. Sindhu	S. Sindhu	S. Sindhu	S. Sindhu	S. Sindhu	S. Sindhu	S. Sindhu	S. Sindhu	S. Sindhu	S. Sindhu	S. Sindhu	S. Sindhu	S. Sindhu	S. Sindhu	S. Sindhu
44	K DEVIKA	D. Devika	D. Devika	D. Devika	D. Devika	D. Devika	D. Devika	D. Devika	D. Devika	D. Devika	D. Devika	D. Devika	D. Devika	D. Devika	D. Devika	D. Devika	D. Devika	D. Devika	D. Devika
45	KADARI NIKHITHA	N. Nikhitha	N. Nikhitha	N. Nikhitha	N. Nikhitha	N. Nikhitha	N. Nikhitha	N. Nikhitha	N. Nikhitha	N. Nikhitha	N. Nikhitha	N. Nikhitha	N. Nikhitha	N. Nikhitha	N. Nikhitha	N. Nikhitha	N. Nikhitha	N. Nikhitha	N. Nikhitha
46	BANALA DIVYA			A					A					A				A	
47	PANDALANENI VASAVI SAI SUMA	A	best	2st	2st	3rd	A	2st	2st	2st	A	2st	2st	2st	A	2st	2st	2st	2st
48	PENDKER GREESHMA	G. Greeshma	G. Greeshma	G. Greeshma	G. Greeshma	G. Greeshma	G. Greeshma	A	G. Greeshma	G. Greeshma	G. Greeshma	G. Greeshma	G. Greeshma	G. Greeshma	G. Greeshma	G. Greeshma	G. Greeshma	G. Greeshma	G. Greeshma
49	PONDURU SATYA PRIYANKA	S. Satya	S. Satya	A	S. Satya	S. Satya	S. Satya	S. Satya	S. Satya	S. Satya	S. Satya	S. Satya	A	S. Satya	S. Satya	S. Satya	S. Satya	S. Satya	S. Satya
50	ROMMULA SHRUTHI	R. Shruthi	R. Shruthi	R. Shruthi	R. Shruthi	R. Shruthi	A	R. Shruthi	R. Shruthi	R. Shruthi	A	R. Shruthi	R. Shruthi	R. Shruthi	R. Shruthi	R. Shruthi	R. Shruthi	R. Shruthi	R. Shruthi
51	RUCHA SHASHANK DHODAPKAR	R. Rucha	R. Rucha	R. Rucha	A	R. Rucha	R. Rucha	R. Rucha	A	R. Rucha	R. Rucha	R. Rucha	A	R. Rucha	R. Rucha	R. Rucha	R. Rucha	R. Rucha	R. Rucha
52	SAKA SUPRIYA	S. Supriya	S. Supriya	S. Supriya	S. Supriya	S. Supriya	S. Supriya	S. Supriya	S. Supriya	S. Supriya	S. Supriya	S. Supriya	S. Supriya	S. Supriya	S. Supriya	S. Supriya	S. Supriya	S. Supriya	S. Supriya
53	SEELLA UPASANA	S. Upasana	S. Upasana	S. Upasana	S. Upasana	S. Upasana	S. Upasana	S. Upasana	S. Upasana	S. Upasana	S. Upasana	S. Upasana	S. Upasana	S. Upasana	S. Upasana	S. Upasana	S. Upasana	S. Upasana	S. Upasana
54	SHAIK REEHANA	A							A									A	
55	SHANIGARAPU SNEHA				A			A						A				A	
56	SHIKARI VAISHNAVI		A						A									A	
57	SHRAVANI MADHUNALA	S. Madhuna	S. Madhuna	S. Madhuna	S. Madhuna	S. Madhuna	S. Madhuna	S. Madhuna	S. Madhuna	S. Madhuna	S. Madhuna	S. Madhuna	S. Madhuna	S. Madhuna	S. Madhuna	S. Madhuna	S. Madhuna	S. Madhuna	S. Madhuna
58	T GAYATHRI	G. Gayathri	G. Gayathri	G. Gayathri	G. Gayathri	G. Gayathri	G. Gayathri	G. Gayathri	G. Gayathri	G. Gayathri	G. Gayathri	G. Gayathri	G. Gayathri	G. Gayathri	G. Gayathri	G. Gayathri	G. Gayathri	G. Gayathri	G. Gayathri
59	TIRUVURU MEGHANA																		

C Sec

60	T NANDINI		A															
61	THALLURI SIRI					A			A									
62	THUMMA SABITHA	T-Spai	T-Spai	T-Spai	T-Spai	T-Spai	T-Spai	T-Spai	T-Spai	T-Spai	T-Spai	T-Spai	T-Spai	T-Spai	T-Spai	T-Spai	T-Spai	A
63	V PAVITRA	T-Spabi	T-Spabi	T-Spabi	T-Spabi	T-Spabi	T-Spabi	T-Spabi	T-Spabi	T-Spabi	T-Spabi	T-Spabi	T-Spabi	T-Spabi	T-Spabi	T-Spabi	T-Spabi	T-Spabi
64	V DIVYASREE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
65	VANAMA SAHITHI JAYARAM		A				A											
66	MAHANKALI POOJA				A	A							A					A
67	DEWARA SWETHA		A					A	A				A					
					A													A

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# Report of Value added Course-

## Developing Applications in Wireless Communications and Image Processing using Embedded Systems


### Embedded Systems:

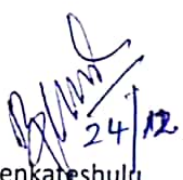
In ES experiments like Introduction to Tinker cad, Battery Testing and Use of Multimeter, Blinking LED, Simulation of Traffic Signal, LED Pattern Generation, Interfacing of Switch, LCD, Intensity control of LED, Bi-Directional Visitor Counter, Automatic Room Lighting System, Relay Driver for Relay interfacing was covered. Basically the Arduino, Sensor connections were well understood. This helps students to come-up with own ideas and execute the project.

**Image Processing: In IP** Introduction to Image Processing and Applications, Basic image processing operations using MATLAB, Introduction of OpenCV for Image processing , Filtering in spatial and frequency domain using MATLAB, Image segmentation using MATLAB were covered. The main objective of this module was to have hands-on experience in image processing and introduction to openCV. The module helps students to visualise complex problems and think of the steps to solve them.

**Wireless Communications and Computer Networks : In WC and CN** Introduction to Computer Networks- TCP/IP , OSI model, Introduction to Cisco Packet Tracer, Configuration of basic network, Understanding the working of bridges, switches and routers, Implementation of routing protocols- RIP, OSPF in packet tracer, Implementation of FTP & Email in packet tracer were covered.

Finally student were asked to Develop one application in either of the above topics.

  
Dr Renuka Devi S M  
Co-ordinator

  
Dr. B. Venkateshulu  
HoD -ECE