

BONAM VENKATA CHALAMAYYA ENGINEERING COLLEGE – ODALAREVU
(AUTONOMOUS)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date : 13/07/2024

Time: 10:00AM

Venue : Online Platform(Microsoft Teams)

AGENDA

Item-1: Welcome Address by Chairman- BOS.

Item-2: Discussion on B.Tech Second Year course Structure and Syllabus, ratification of the same.

Item-3: Discussion on B.Tech Second Year Courses offered to other Branches (ME & EEE) and ratification of the same

Item-4: Any other item.

Copy to:

- 1 Dr. V Dhanaraj, Professor
- 2 Dr. K B S D Sarma, Professor
- 3 Dr. K Raja Sekhar, Professor
- 4 Dr. S Kanaka Durga, Professor
- 5 Dr. N S N Lakshmi pathi Raju, Professor
- 6 Dr. V Anuragh, Associate Professor
- 7 Dr. T Saran Kumar, Associate Professor
- 8 Mrs. Ch Sridevi, Associate Professor
- 9 Ms. P Harika, Associate Professor
- 10 Mrs. V Sandhya, Associate Professor
- 11 Mr. N Phani Kumar, Assistant Professor
- 12 Mrs. M M Varalakshmi, Assistant Professor
- 13 Mrs. J Uma Maheswari, Assistant Professor
- 14 Mr. Y Satya Vinod, Assistant Professor
- 15 Mr. I Rama Satya Nageswara Rao, Assistant Professor
- 16 Mr. G Sudheer Babu, Assistant Professor
- 17 Mrs. S N V D Lakshmi Priyanka, Assistant Professor
- 18 Mr. Y Sai Sandeep, Assistant Professor
- 19 Mrs. G Lakshmi Durga, Assistant Professor
- 20 Ms. T S S Mounika, Assistant Professor
- 21 Mrs. K Lakshmi Priyanka, Assistant Professor
- 22 Mrs. D Tulasi, Assistant Professor
- 23 Mr. P Rajesh, Assistant Professor
- 24 Ms. G Asha, Assistant Professor
- 25 Ms. G Sukanya, Assistant Professor
- 26 Mrs. S N Bhargavi, Assistant Professor
- 27 Mrs. K Swathi, Assistant Professor
- 28 Ms. K Siva Ranjani, Assistant Professor

- 29 Ms. S L Anusha, Assistant Professor
- 30 Ms. S Leela Veni, Assistant Professor
- 31 Mr. B Chandra Praveen, Assistant Professor
- 32 Mrs. G Lakshmi Venkata Durga, Assistant Professor
- 33 Dr. Narasimha Sarma N.V.S, Director, IIIT, Tiruchirappalli.
- 34 Dr. M. Rama Subba Reddy, Professor, Dept. of Applied Mechanics, IIT, Chennai.
- 35 Dr. U.V.Ratna Kumari, Vice Principal-Academics, University College of Engineering Kakinada, JNTUK, Kakinada.
- 36 Mr. S. Bhavani Shankar, Executive Manager, R&D Wing, Efftronics Systems Pvt. Ltd., Vijayawada.
- 37 Dr. B.V.V. Satyanarayana M.Tech, Ph.D, Assoc. Prof, Dept. of ECE, Vishnu Institute of Technology, Bhimavaram.

Chairperson of BOS





**BONAM VENKATA CHALAMAYYA ENGINEERING COLLEGE
(AUTONOMOUS)**

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 13/07/2024

The meeting minutes of BOS for ECE department was held on 13-07-2024 in Microsoft Teams online platform.

Resolutions Taken

1. Consider Item No.2.

Resolved to ratify the course structure of II B.Tech. The approved are enclosed herewith.

B.Tech.- II Year I Semester

S.No	Category	Subject Code	Subject Name	L	T	P	Credits
1	BSC	23BS3T08	Probability theory and stochastic Process	3	0	0	3
2	HSMC	23HM3T02	Universal Human Values– Understanding Harmony and Ethical Human Conduct	2	1	0	3
3	ESC	23ES3T08	Signals and Systems	3	0	0	3
4	PCC	23EC3T01	Electronic Devices and Circuits	3	0	0	3
5	PCC	23EC3T02	Switching Theory and Logic Design	3	0	0	3
6	PCC	23EC3L01	Electronic Devices and Circuits Lab	0	0	3	1.5
7	PCC	23EC3L02	Switching Theory and Logic Design Lab	0	0	3	1.5
8	SEC	23CS3S02	Data Structures using Python	0	1	2	2
9	AC	23AC3T01	Environmental Science	2	0	0	0
Total				16	2	08	20



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B.Tech. II Year II Semester

S.No	Category	Subject Code	Subject Name	L	T	P	Credits
1	HSMC	23HM4T03	Managerial Economics and Financial Analysis	2	0	0	2
2	ESC	23ES4T14	Linear Control Systems	3	0	0	3
3	PCC	23EC4T03	Electromagnetic Waves and Transmission Lines	3	0	0	3
4	PCC	23EC4T04	Electronic Circuit Analysis	3	0	0	3
5	PCC	23EC4T05	Analog Communications	3	0	0	3
6	PCC	23EC4L03	Signals and Systems Lab	0	0	3	1.5
7	PCC	23EC4L04	Electronic Circuit Analysis lab	0	0	3	1.5
8	SEC	23HM4S01	Soft Skills	0	1	2	2
9	ESC	23ES4L06	Design Thinking & Innovation	1	0	2	2
Total				15	1	10	21
		23BS5P01	Mandatory Community Service Project Internship of 08 weeks duration during Summer Vacation				

2. Consider item No. 3

Resolved to ratify the Proposed Syllabus of II B. Tech Semester – I and Semester – II

The Approved Syllabi are enclosed here.

B.Tech.– II Year I Semester

S.No	Category	Subject Code	Subject Name
1	BSC	23BS3T08	Probability theory and stochastic Process
2	ESC	23ES3T08	Signals and Systems
3	PCC	23EC3T01	Electronic Devices and Circuits
4	PCC	23EC3T02	Switching Theory and Logic Design
5	PCC	23EC3L01	Electronic Devices and Circuits Lab
6	PCC	23EC3L02	Switching Theory and Logic Design Lab



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B.Tech. II Year II Semester

S.No.	Category	Subject Code	Subject Name
1	ESC	23ES4T14	Linear Control Systems
2	PCC	23EC4T03	Electromagnetic Waves and Transmission Lines
3	PCC	23EC4T04	Electronic Circuit Analysis
4	PCC	23EC4T05	Analog Communications
5	PCC	23EC4L03	Signals and Systems Lab
6	PCC	23EC4L04	Electronic Circuit Analysis lab
7	ESC	23ES4L06	Design Thinking & Innovation

3. Consider item No. 4:

i) Resolved to approve for remove following topics in B.Tech.– II Year I and II Semester

Year & Sem	Course Name	Unit No.	Removed Topic(s)
II-I	Probability Theory and Stochastic Process	II	Monotonic and Non-monotonic Transformations of Continuous Random Variable, Transformation of a Discrete Random Variable. Vector Random Variables
		V	Trade -off between bandwidth and SNR
II-I	Electronic Devices and Circuits	I	Hall Effect,
		II	PNPN Diode, The Diode as a circuit element, The Load-Line concept
		III	Ebers-Moll model of a transistor.
II-II	Electromagnetic Waves and Transmission Lines	II	Average power
II-II	Analog Communications	I	Introduction to Fourier transform

ii) In Electromagnetic Waves and Transmission Lines Course Unit IV and V swapped to Unit I and II.

iii) Resolved to approve for Added topic in Electronic Circuit Analysis Course in II B. Tech II Semester

Added Topic: Distortions in amplifiers in Unit-V



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4. Consider item No.5:

i) Resolved to ratify the proposed syllabus of II B. Tech I Semester of Mechanical Engineering

Course Name: Embedded Systems & IOT

ii) Resolved to ratify the proposed syllabus of II B. Tech II Semester Analog Circuits Course

of Electrical and Electronics Engineering

iii) Resolved to approve replacement of Diode clippers, clipping at two independent levels, Transfer characteristics of clippers, clamping circuit operation, Thermal Stability in Analog Circuits with Circuit and Operation of Diode clippers and clamps in Unit-I

iv) Resolved to approve for remove following topics in Analog Circuits Course

Year & Sem	Course Name	Unit No.	Removed Topic(s)
II & II (ECE)	Analog Circuits	II	Frequency Response of CE and CC Amplifiers.
		III	DC and AC characteristics
		IV	Log and Antilog Amplifier

Finally, Chairman of BOS thanked all the members of their valuable inputs and active participation in the meeting.

A. Rama
BOS Chair Person



**BONAM VENKATA CHALAMAYYA ENGINEERING COLLEGE
(AUTONOMOUS)**

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Date: 13/07/2024

The meeting minutes of BOS for ECE department was held on 13-07-2024 in Microsoft Teams online platform.

Members Present:

S.No	Name	Position in BOS	Remarks
1	Dr. A Pravin, HOD, Professor	Chair Person	A. Pravin
2	Dr. V Dhanaraj, Professor	Member	Dhanaraj
3	Dr. K B S D Sarma, Professor	Member	K. B. S. D. Sarma
4	Dr. K Raja Sekhar, Professor	Member	K. Raja Sekhar
5	Dr. S Kanaka Durga, Professor	Member	K. Kanaka Durga
6	Dr. N S N Lakshmipathi Raju, Professor	Member	N. S. N. Lakshmipathi Raju
7	Dr. V Anuragh, Associate Professor	Member	V. Anuragh
8	Dr. T Saran Kumar, Associate Professor	Member	T. Saran Kumar
9	Mrs. Ch Sridevi, Associate Professor	Member	Ch. Sridevi
10	Ms. P Harika, Associate Professor	Member	P. Harika
11	Mrs. V Sandhya, Associate Professor	Member	V. Sandhya
12	Mr. N Phani Kumar, Assistant Professor	Member	N. Phani Kumar
13	Mrs. M M Varalakshmi, Assistant Professor	Member	M. M. Varalakshmi
14	Mrs. J Uma Maheswari, Assistant Professor	Member	J. Uma Maheswari
15	Mr. Y Satya Vinod, Assistant Professor	Member	Y. Satya Vinod
16	Mr. I Rama Satya Nageswara Rao, Assistant Professor	Member	I. Rama Satya Nageswara Rao
17	Mr. G Sudheer Babu, Assistant Professor	Member	G. Sudheer Babu
18	Mrs. S N V D Lakshmi Priyanka, Assistant Professor	Member	S. Lakshmi Priyanka
19	Mr. Y Sai Sandeep, Assistant Professor	Member	Y. Sai Sandeep
20	Mrs. G Lakshmi Durga, Assistant Professor	Member	G. Lakshmi Durga
21	Ms. T S S Mounika, Assistant Professor	Member	T. S. S. Mounika



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22	Mrs. K Lakshmi Priyanka, Assistant Professor	Member	<i>Priyanka</i>
23	Mrs. D Tulasi, Assistant Professor	Member	<i>D. Tulasi</i>
24	Mr. P Rajesh, Assistant Professor	Member	<i>Rajesh</i>
25	Ms. G Asha, Assistant Professor	Member	<i>Asha</i>
26	Ms. G Sukanya, Assistant Professor	Member	<i>Sukanya</i>
27	Mrs. S N Bhargavi, Assistant Professor	Member	<i>S. Bhargavi</i>
28	Mrs. K Swathi, Assistant Professor	Member	<i>K. Swathi</i>
29	Ms. K Siva Ranjani, Assistant Professor	Member	<i>K. Siva Ranjani</i>
30	Ms. S L Anusha, Assistant Professor	Member	<i>S. L. Anusha</i>
31	Ms. S Leela Veni, Assistant Professor	Member	<i>S. Leela Veni</i>
32	Mr. B Chandra Praveen, Assistant Professor	Member	<i>B. Chandra Praveen</i>
33	Mrs. G Lakshmi Venkata Durga, Assistant Professor	Member	<i>G. Lakshmi Venkata Durga</i>
34	Dr. Narasimha Sarma N.V.S, Director, IIIT, Tiruchirappalli.	External Expert From NIT	<i>ONLINE</i> →
35	Dr. M. Rama Subba Reddy, Professor, Dept. of Applied Mechanics, IIT, Chennai.	External Expert From IIT	<i>M. Rama Subba Reddy</i>
36	Dr. U.V.Ratna Kumari, Vice Principal-Academics, University College of Engineering Kakinada, JNTUK, Kakinada.	JNTUK Nominee	<i>U.V.Ratna Kumari</i> VICE-PRINCIPAL University College of Engineering JNTUK, KAKINADA
37	Mr. S. Bhavani Shankar, Executive Manager, R&D Wing, Efftronics Systems Pvt. Ltd., Vijayawada.	External Expert From Industry	<i>S. Bhavani Shankar</i> ONLINE →
38	Dr. B.V.V. Satyanarayana M.Tech, Ph.D, Assoc. Prof, Dept. of ECE, Vishnu Institute of Technology, Bhimavaram.	PG Alumni	<i>B. V. V. Satyanarayana</i>

A. Ravuri
Chair Person (BOS-ECE, BVCEC)



Date :03/07/2025

Time: 10:30AM

Venue :Online Platform(Microsoft Teams)

AGENDA

1. **Item-1:** Welcome Address by Chair Person of BOS.
2. **Item-2:**Discussion on proposed course structure of III B. Tech I & II semester of BR23Regulation and ratification of the same.
3. **Item-3:**Discussion on proposed syllabi of III B. Tech I & II semester of BR23Regulation and ratification of the same.
4. **Item-4:**Discussion on proposed courses of Honor and Minor Degree of BR23 Regulation and ratification of the same.
5. **Item-5:**Discussion on proposed syllabi of Honor Degree of BR23 Regulation and ratification of the same.
6. **Item-6:**Discussion on proposed syllabi of Minor Degree of BR23 Regulation and ratification of the same.
7. **Item-7:**Discussion on proposed Professional Elective and Open Elective courses through SWAYAM / NPTEL
8. **Item-8:**Any other item.

Copy to:

1. Dr. Akula Pravin, Professor & Vice-Principal
2. Dr. Valluri Dhana Raj, Professor
3. Dr. Kompella B S D Sarma, Professor
4. Dr. Kusuma Raja Sekhar, Professor
5. Dr. Saladi Kanaka Durga, Professor
6. Dr. Namburi S. N. Lakshmipathi Raju, Professor
7. Mrs. Chavakula Sridevi,Associate Professor
8. Mr. Nadimpalli Phani Kumar, Associate Professor
9. Ms. Pangam Harika, Associate Professor
10. Mrs. Vallabhareddi Sandhya, Associate Professor
11. Dr. Mandem Nomitha Reddy, Assistant Professor
12. Mr. Yegireddi Satya Vinod, Assistant Professor
13. Mr. Inukonda Rama Satya Nageswara Rao, Assistant Professor
14. Mrs. Marisetty Mounika Varalakshmi, Assistant Professor
15. Ms. Samsani N V D Lakshmi Priyanka, Assistant Professor
16. Ms. Gubbala Lakshmi Durga, Assistant Professor
17. Ms. Tikkireddy Sri Satya Mounika, Assistant Professor
18. Mrs. Jalli Uma Maheswari, Assistant Professor
19. Ms. Gosangi Sukanya, Assistant Professor
20. Ms. Kondamuri Lakshmi Priyanka, Assistant Professor
21. Mr. Gidla Sudheer Babu, Assistant Professor
22. Ms. Kanakala Siva Ranjani, Assistant Professor
23. Ms. Seelam Naga Bharghavi, Assistant Professor
24. Ms. Kankipati Swathi, Assistant Professor
25. Ms. Dunaboyina Tulasi, Assistant Professor



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26. Ms. Sabbathi Leelaveni, Assistant Professor
27. Mrs. Chikkam Surya Ramagouri, Assistant Professor
28. Ms. Bokka Sai Sree, Assistant Professor
29. Mr. Yelisetty Narayana Murty, Assistant Professor
30. Mr. Shanmuka Satya Sudheer Naidu M, Assistant Professor
31. Dr. Narasimha Sarma N.V.S, Professor, Department of ECE, NIT Warangal.
32. Dr. K Manjunatha Chari, Professor, EECE, Dy. Director- Accreditation and Ranking
GITAM Deemed to be University, Hyderabad.
33. Dr. U.V. Ratna Kumari, Professor, ECE, Director i/c Empowerment of women & Grievances
University College of Engineering Kakinada, JNTUK, Kakinada.
34. Mr. Bokka Devi Vara Prasad, Staff DFT Engineer-I, Sykatiya technologies Pvt Ltd, Bangalore.
35. Dr. B.V.V. Satyanarayana M.Tech, Ph.D, Assoc. Prof, ECE, Vishnu Institute of Technology, Bhimavaram.

Chairperson of BOS

Dr. Thoram Saran Kumar
Assoc. Professor & HOD



BONAM VENKATA CHALAMAYYA ENGINEERING COLLEGE (A)
ODALAREVU
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 03/07/2025

The meeting minutes of BOS for ECE department was held on 3-07-2025 in Microsoft Teams online platform.

Resolutions Taken

1. Consider Item No.2.

Resolved to ratify the course structure of III B.Tech I & II Semesters. AS per recommendations of the external BOS members Professional elective I Pool Subject **optical communications** in III -I is swapped with Professional elective III Pool subject **Artificial Intelligence** in III-II . The approved are enclosed herewith.

B.Tech.- III Year I Semester

S.No	Category	Subject Code	Subject Name	L	T	P	Credits
1	PCC	23EC5T06	Analog & Digital IC Applications	3	0	0	3
2	PCC	23EC5T07	Digital Communications	3	0	0	3
3	PCC	23EC5T08	Antennas and Wave Propagation	3	0	0	3
Professional Elective-I							
4	PEC	23EC5D01	Digital System Design Through HDL	3	0	0	3
		23EC5D02	Artificial Intelligence				
		23EC5D03	Electronic Measurements and Instrumentation				
		23EC5D04	Computer Organization and Architecture				
			NPTEL Swayam(12 Weeks Course)				
Open Elective-I							
5	OEC		Open Elective – I or Entrepreneurship Development & Venture Creation or NPTEL Swayam(12 Weeks Course)	3	0	0	3
6	PCC	23EC5L05	Analog & Digital IC Applications Lab	0	0	3	1.5
7	PCC	23EC5L06	Analog and Digital Communications Lab	0	0	3	1.5
8	SEC	23EC5S02	Applications of Labview for Instrumentation & Communications	0	1	2	2
9	ESC	23ES5L08	Design of PCB & Antennas Lab	0	0	2	1
10	PROJ	23BS5P01	Evaluation of Community Service Project	0	0	0	2
Total				15	1	10	23
MC	Minor Course (Student may select from the same specialized minors pool)			3	0	3	4.5
MC	Minor Course through SWAYAM / NPTEL (Minimum 12 Week, 3 Credit course)			3	0	0	3
HC	Honors Course (Student may select from the same Honors pool)			3	0	0	3



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HC	Honors Course (Student may select from the same Honors Pool)	3	0	0	3
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B.Tech. III Year II Semester

S.No.	Category	Subject Code	Subject Name	L	T	P	Credits			
1	PCC	23EC6T09	VLSI Design	3	0	0	3			
2	PCC	23EC6T10	Microprocessors & Microcontrollers	3	0	0	3			
3	PCC	23EC6T11	Digital Signal Processing	3	0	0	3			
Professional Elective-II										
4	PEC	23EC6D05	Analog IC Design	3	0	0	3			
		23EC6D06	Satellite Communication							
		23EC6D07	Smart and Wireless Instrumentation							
		23EC6D08	Machine Learning							
		NPTEL Swayam(12 Weeks Course)								
Professional Elective-III										
5	PEC	23EC6D09	Bio Medical Instrumentation	3	0	0	3			
		23EC6D10	Microwave Engineering							
		23EC6D11	Embedded Systems							
		23EC6D12	Optical Communications							
		NPTEL Swayam(12 Weeks Course)								
Open Elective-II										
6	OEC		Open Elective – II or NPTEL Swayam(12 Weeks Course)	3	0	0	3			
7	PCC	23EC6L07	VLSI Design Lab	0	0	3	1.5			
8	PCC	23EC6L08	Microprocessors & Microcontrollers Lab	0	0	3	1.5			
9	SEC	23EC6S03	Machine Learning Lab	0	1	2	2			
10	AC	23AC6T05	Research Methodology and IPR	2	0	0	0			
Total				20	1	8	23			
Mandatory Industry Internship of 08 Weeks Duration during Summer Vacation										
MC	Student may select from the same minors pool			3	0	3	4.5			
MC	Minor Course(Student may select from the same specialized minors pool)			3	0	0	3			
HC	Student may select from the same honors pool			3	0	0	3			
HC	Honors Course (Student may select from the honors pool)			3	0	0	3			

2. Consider item No. 3

Resolved to ratify the Proposed Syllabus of III B. Tech Semester – I and Semester – II as they are in toto JNTUK R23 regulations. The Approved Syllabi are enclosed herewith.



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

III B.Tech. I Sem

S.No	Category	Subject Code	Subject Name
1	PCC	23EC5T06	Analog & Digital IC Applications
2	PCC	23EC5T07	Digital Communications
3	PCC	23EC5T08	Antennas and Wave Propagation
Professional Elective-I			
4	PEC	23EC5D01	Digital System Design Through HDL
		23EC5D02	Artificial Intelligence
		23EC5D03	Electronic Measurements and Instrumentation
		23EC5D04	Computer Organization and Architecture
5	PCC	23EC5L05	Analog & Digital IC Applications Lab
6	PCC	23EC5L06	Analog and Digital Communications Lab
7	SEC	23EC5S02	Applications of Labview for Instrumentation & Communications
8	ESC	23ES5L08	Design of PCB & Antennas Lab

III B.Tech. II Sem

S.No.	Category	Subject Code	Subject Name
1	PCC	23EC6T09	VLSI Design
2	PCC	23EC6T10	Microprocessors & Microcontrollers
3	PCC	23EC6T11	Digital Signal Processing
Professional Elective-II			
4	PEC	23EC6D05	Analog IC Design
		23EC6D06	Satellite Communication
		23EC6D07	Smart and Wireless Instrumentation
		23EC6D08	Machine Learning
Professional Elective-III			
5	PEC	23EC6D09	Bio Medical Instrumentation
		23EC6D10	Microwave Engineering
		23EC6D11	Embedded Systems
		23EC6D12	Optical Communications
7	PCC	23EC6L07	VLSI Design Lab
8	PCC	23EC6L08	Microprocessors & Microcontrollers Lab
9	SEC	23EC6S03	Machine Learning Lab
10	AC	23AC6T05	Research Methodology and IPR



3. Consider item No. 4

Resolved to ratify the Proposed Courses for Honor and Minor Degree. The Approved Courses are enclosed herewith.

Honor Courses

S.No.	Category	Subject Code	Subject Name	L	T	P	Credits
1	PCC	23ECHT01	Advanced Communications	3	0	0	3
2	PCC	23ECHT02	EMI/EMC	3	0	0	3
3	PCC	23ECHT03	VLSI Signal Processing	3	0	0	3
4	PCC	23ECHT04	CMOS Mixed Signal Design	3	0	0	3
5	PCC	23ECHT05	Adaptive Signal Processing	3	0	0	3
6	PCC	23ECHT06	RTOS	3	0	0	3
7	PCC	23ECHT07	PC based Data Acquisition Systems	3	0	0	3
8	PCC	23ECHT08	Digital Control Systems	3	0	0	3
9	PCC	23ECHT09	Microstrip Antennas	3	0	0	3
10	PCC	23ECHT10	Image & Video Processing	3	0	0	3
11	PCC	23ECHL01	Advanced Communications Lab	0	0	3	1.5
12	PCC	23ECHL02	CMOS Mixed Signal Design Lab	0	0	3	1.5
13	PCC	23ECHL03	RTOS Lab	0	0	3	1.5
14	PCC	23ECHL04	Digital Control Systems Lab	0	0	3	1.5
15	PCC	23ECHL05	Antennas and Microwave Lab	0	0	3	1.5
16	PCC	23ECHL06	Image & Video Processing Lab	0	0	3	1.5

Student shall take up at least TWO NPTEL/SWAYAM of 12-week duration for 3 credits.

Minor Courses

As per the recommendations of External BOS Members **Digital Signal Processing** subject name changed to **Principles of Digital Signal Processing**

S.No.	Category	Subject Code	Subject Name	L	T	P	Credits
1	PCC	23ECMT01	Electronics Devices and Basic Circuits	3	0	0	3
2	PCC	23ECMT02	Digital Electronics	3	0	0	3
3	PCC	23ECMT03	Signal Analysis	3	0	0	3
4	PCC	23ECMT04	Principles of Communication	3	0	0	3
5	PCC	23ECMT05	Microcontrollers and Applications	3	0	0	3
6	PCC	23ECMT06	Principles of Digital Signal Processing	3	0	0	3
7	PCC	23ECMT07	Embedded System Design	3	0	0	3



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8	PCC	23ECMT08	Internet of things	3	0	0	3
9	PCC	23ECML01	Electronics Devices and Basic Circuits Lab	0	0	3	1.5
10	PCC	23ECML02	Digital Electronics Lab	0	0	3	1.5
11	PCC	23ECML03	Internet of things Lab	0	0	3	1.5
12	PCC	23ECML04	Digital Signal Processing Lab	0	0	3	1.5

Student shall take up atleast ONE NPTEL / SWAYAM of 12-week duration for 3 credits.

4. Consider item No. 5

Resolved to ratify the Proposed Syllabi for Honor Degree as they are in toto JNTUK R23 regulations.

5. Consider item No. 6

Resolved to ratify the Proposed Syllabi for Minor Degree as they are in toto JNTUK R23 regulations.

6. Consider item No. 7

External BOS Members have suggested to get the recent academic regulations on NPTEL/SWYAM courses from the affiliating University: JNTUK. It is resolved to follow the same academic regulations on NPTEL / SWYAM, Professional Elective ,Open Elective ,Honors and Minor Degree Programs in toto with JNTUK.

7. Consider item No. 8

(a) Resolved to ratify the Proposed Honor Degree Courses Categorized into two specializations as follows.

- i. Honors in VLSI and Instrumentation
- ii. Honors in Communication and Signal Processing

Honors Degree in VLSI and Instrumentation

S.No.	Category	Subject Code	Subject Name	L	T	P	Credits
1	PCC	23ECHT03	VLSI Signal Processing	3	0	0	3
2	PCC	23ECHT04	CMOS Mixed Signal Design	3	0	0	3
3	PCC	23ECHT06	RTOS	3	0	0	3
4	PCC	23ECHT08	Digital Control Systems	3	0	0	3
5	PCC	23ECHT02	EMI/EMC	3	0	0	3
6	PCC	23ECHL02	CMOS Mixed Signal Design Lab	0	0	3	1.5



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7	PCC	23ECHL03	RTOS Lab	0	0	3	1.5
8	PCC	23ECHL04	Digital Control Systems Lab	0	0	3	1.5

Honors Degree in Communication and Signal Processing

S.No.	Category	Subject Code	Subject Name	L	T	P	Credits
1	PCC	23ECHT01	Advanced Communications	3	0	0	3
2	PCC	23ECHT05	Adaptive Signal Processing	3	0	0	3
3	PCC	23ECHT07	PC based Data Acquisition Systems	3	0	0	3
4	PCC	23ECHT09	Microstrip Antennas	3	0	0	3
5	PCC	23ECHT10	Image & Video Processing	3	0	0	3
6	PCC	23ECHL01	Advanced Communications Lab	0	0	3	1.5
7	PCC	23ECHL05	Antennas and Microwave Lab	0	0	3	1.5
8	PCC	23ECHL06	Image & Video Processing Lab	0	0	3	1.5

(b) Resolved to ratify the Proposed Open elective Courses offered by ECE department and its syllabi as they are in toto JNTUK R23 regulations. The Approved Courses are enclosed herewith.

OPEN ELECTIVES OFFERED BY ECE DEPARTMENT

S.No.	Category	Subject Code	Subject Name	L	T	P	Credits
Open Elective-I							
1	OEC	23EC5E01	Electronic Devices and Circuits	3	0	0	3
2		23EC5E02	Signals and Systems	3	0	0	3
3		23EC5E03	Probability Theory and Random Variables	3	0	0	3
4		23EC5E04	Network Analysis	3	0	0	3
Open Elective-II							
5	OEC	23EC6E05	Linear and Digital IC Applications	3	0	0	3
6		23EC6E06	Principles of Communications	3	0	0	3
7		23EC6E07	Principles of Signal Processing	3	0	0	3
8		23EC6E08	Microprocessors & Microcontrollers	3	0	0	3

Finally, Chairman of BOS thanked all the members of their valuable inputs and active participation in the meeting.


BOS Chair Person



Date: 03/07/2025

The meeting minutes of BOS for ECE department was held on 03-07-2025 in Microsoft Teams online platform.

Members Present:

S.No	Name	Position in BOS	Remarks
1	Dr. Thoram Saran Kumar, Associate Professor, HOD	Chair Person	<i>Present</i>
2	Dr. Akula Pravin, Professor & Vice-Principal	Member	<i>A. Present</i>
3	Dr. Valluri Dhana Raj, Professor	Member	<i>V. Present</i>
4	Dr. Kompella B S D Sarma, Professor	Member	<i>K. Present</i>
5	Dr. Kusuma Raja Sekhar, Professor	Member	<i>K. Present</i>
6	Dr. Saladi Kanaka Durga, Professor	Member	<i>S. Present</i>
7	Dr. Namburi S. N. Lakshmi Pathi Raju, Professor	Member	<i>N. Present</i>
8	Mrs. Chavakula Sridevi, Associate Professor	Member	<i>C. Present</i>
9	Mr. Nadimpalli Phanikumar, Associate Professor	Member	<i>N. Present</i>
10	Ms. Pangam Harika, Associate Professor	Member	<i>P. Present</i>
11	Mrs. Vallabhareddy Sandhya, Associate Professor	Member	<i>V. Present</i>
12	Dr. Mandem Nomitha Reddy, Assistant Professor	Member	<i>M. Present</i>
13	Mr. Yegireddi Satya Vinod, Assistant Professor	Member	<i>Y. Present</i>
14	Mr. Inukonda Rama Satya Nageswara Rao, Assistant Professor	Member	<i>I. Present</i>
15	Mrs. Marisetty Mounika Varalakshmi, Assistant Professor	Member	<i>M. Present</i>
16	Ms. Samsani N V D Lakshmi Priyanka, Assistant Professor	Member	<i>S. Present</i>
17	Ms. Gubbala Lakshmi Durga, Assistant Professor	Member	<i>G. Present</i>
18	Ms. Tikkireddy Sri Satya Mounika, Assistant Professor	Member	<i>T. S. Present</i>
19	Mrs. Jalli Uma Maheswari, Assistant Professor	Member	<i>J. Present</i>
20	Ms. Gosangi Sukanya, Assistant Professor	Member	<i>G. Present</i>



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21	Ms. Kondamuri Lakshmi Priyanka, Assistant Professor	Member	<i>P. Jay</i>
22	Mr. Gidla Sudheer Babu, Assistant Professor	Member	<i>S. S.</i>
23	Ms. Kanakala Siva Ranjani, Assistant Professor	Member	<i>C. R.</i>
24	Ms. Seelam Naga Bharghavi, Assistant Professor	Member	<i>B.</i>
25	Ms. Kankipati Swathi, Assistant Professor	Member	<i>S.</i>
26	Ms. Dunaboyina Tulasi, Assistant Professor	Member	<i>L.</i>
27	Ms. Sabbathi Leelaveni, Assistant Professor	Member	<i>S.</i>
28	Mrs. Chikkam Surya Ramagouri, Assistant Professor	Member	<i>C. S.</i>
29	Ms. Bokka Sai Sree, Assistant Professor	Member	<i>B. S.</i>
30	Mr. Yeliseti Narayana Murty, Assistant Professor	Member	<i>Murthy</i>
31	Mr. Shanmuka Satya Sudheer Naidu M, Assistant Professor	Member	<i>Sudheer Naidu</i>
32	Dr. Narasimha Sarma N.V.S, Professor, Dept of ECE, NIT Warangal.	External Expert	<i>N. V. S.</i>
33	Dr. U.V.Ratna Kumari, Professor, Dept. of ECE, Director i/c EW & G, JNTUK Kakinada.	JNTUK Nominee	<i>U. V. Ratna Kumari</i>
34	Dr. K Manjunatha Chari, Professor, Dept. of EECE, GITAM Deemed to be University, Hyderabad	External Expert	<i>- ONLINE -</i>
35	Bokka Devi Vara Prasad, Staff DFT Engineer-I, Sykatiya Technologies Pvt Ltd, Bangalore	External Expert From Industry	<i>B. D. V. P.</i>
36	Dr. B.V.V. Satyanarayana, Associate Professor, Dept. of ECE, VIT, Bhimavaram.	PG Alumni	<i>B. V. V. Satyanarayana</i>

S. Jay.
Chair Person (BOS-ECE, BVCEC)