



# GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING FOR WOMEN (Autonomous)

(Approved by AICTE, New Delhi and Permanently Affiliated to Andhra University, Visakhapatnam)  
Madhurawada :: Visakhapatnam – 530 048

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Minutes of 1<sup>st</sup> meeting of the Board of Studies in Computer Science and Engineering department on 3<sup>rd</sup> August 2024(Saturday) at 1 PM in hybrid mode

The meeting of the Board of Studies in Computer Science and Engineering department of Gayatri Vidya Parishad College of Engineering for Women (Autonomous) is held on 3<sup>rd</sup> August 2024(Saturday) from 1 PM onwards to finalize the syllabi of the first year (1<sup>st</sup> semester and 2<sup>nd</sup> semester) courses of all B.Tech Programs and first year (1<sup>st</sup> semester and 2<sup>nd</sup> semester) courses of M.Tech CSE (Data Science) Program offered by the Department of Computer Science and Engineering under the regulations R – 2024 from the academic year 2024-25 onwards.

### Members Present:

Dr P.V.S. Lakshmi Jagadamba - Chairperson

### External Members:

1	Prof. Siba Kumar Udgata Professor School of Computer and Information Sciences University of Hyderabad Hyderabad	Subject Expert	Offline
2	Dr.Jyothi Vedurada Assistant Professor IIT-Hyderabad	Subject Expert	Online
3	Dr.R Padmavathy Professor, Dept of CSE NIT – Warangal	Subject Expert	Online
3	Prof.B Pragnya Dept. of Computer Science & Systems Engineering AU College of Engineering (A) Visakhapatnam	Vice Chancellor's Nominee	Offline
4	Dr.P.Gayatri Senior Technical Director / Scientist-F National Informatics Centre (NIC) Govt. of India	Industry Representative	Online
5	Ms. Sandeep Kaur Senior Software Developer Infinite Computer Solutions Visakhapatnam	College Alumni	Offline

6	Mr.Narra Suresh Delivery Centre Head Infosys Visakhapatnam	Expert for Special Courses	Offline
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**Internal Members:**

1	Prof P. S. Avadhani	Senior Professor	Offline
2	Dr. N.B. Venkateswarlu	Professor	Offline
3	Dr. N. Sharmili	Associate Professor	Offline
4	Mrs. K. Suneetha	Assistant Professor	Offline
5	Mr. S. Sumahasan	Assistant Professor	Offline
6	Dr. A. Uday Kumar	Assistant Professor	Offline
7	Mrs. K. Rohini	Assistant Professor	Offline
8	Dr. V. Lakshmana Rao	Assistant Professor	Offline
9	Mr. G. Sankara Rao	Assistant Professor	Offline
10	Ms. Y. Sowmya	Assistant Professor	Offline
11	Ms. D. Indu	Assistant Professor	Offline
12	Mrs. V. Gowtami Annapurna	Assistant Professor	Offline
13	Mrs. KVS Mounica	Assistant Professor	Offline
14	Mrs. M Aswini	Assistant Professor	Offline
15	Ms A Bindu	Assistant Professor	Offline
16	Ms. R Archana	Assistant Professor	Offline
17	Ms. BVNS Lasya Priya	Assistant Professor	Offline

The meeting started with a welcome note by the Principal & Chairman, Academic Council wherein the salient features of the regulations R-2024 was highlighted to joint Board of Studies. Next, the Principal requested the different Department Board Chairmen/Chairpersons to discuss and approve the proposed syllabi of the first year courses under R – 2024 regulations offered for various B.Tech Programs and M.Tech Programs from the academic year 2024-25.

The Board of Studies meeting of the Department of Computer Science and Engineering started with a welcome note by the Chairperson wherein she presented a outline of the regulations R-2024 and requested the Board to discuss and approve the proposed syllabi.

After serious and fruitful deliberations on the proposed syllabi of the courses under R – 2024 regulations offered by the Department of Computer Science and Engineering for B.Tech Programs and M.Tech Programs from the academic year 2024-25 onwards, the Board agreed to offer courses for different B.Tech, M.Tech programs as requested by the Chairperson of the respective BoS of other Engineering Departments. The Board unanimously resolved the following:

**Resolution No: GVPCEW(A)/BOS/CSE/2024/1**

It is resolved to recommend to the Academic Council that the following courses offered for B.Tech Programs and M.Tech Programs to be effective from 2024 admitted batch onwards for approval.

1. The proposed syllabus for the course titled “Python Programming” offered to the CSE branch in the I year II Semester – Annexure-I
2. The proposed syllabus for the course titled “Fundamentals of Computers” offered to the CSE branch in the I year I Semester – Annexure-II
3. The proposed syllabus for the course titled “Python Programming Lab” offered to the CSE branch in the I year II Semester – Annexure-III
4. The proposed syllabus for the course titled “Computer Engineering Workshop ” offered to the CSE branch in the I year I Semester – Annexure-IV
5. The proposed syllabus for the course titled “Problem Solving using C” offered to the CSE branch along with ECE in the I year I Semester and EEE in I year II semester– Annexure-V
6. The proposed syllabus for the course titled “Web Technologies Fundamentals Lab” offered to the CSE branch in the I year II Semester – Annexure-VI

7. The proposed syllabus for the course titled “Problem Solving using C Lab” offered to the CSE branch along with ECE in the I year I Semester and EEE in I year II semester – Annexure-VII
8. The proposed syllabus for the course titled “IT Essentials” offered to the EEE branch in the I year I Semester – Annexure-VIII

**Resolution No: GVPCEW(A)/BOS/CSE/2024/2**

It is resolved to recommend to the Academic Council that the following courses offered for M.Tech CSE (Data Science) Programs to be effective from 2024 admitted batch onwards for approval.

1. The proposed syllabus for the course titled “Introduction to Data Science” offered to the CSE branch in the I year I Semester – Annexure-IX
2. The proposed syllabus for the course titled “Cloud Computing and Virtualization” offered to the CSE branch in the I year I Semester – Annexure-X
3. The proposed syllabus for the course titled “Elective-I- Big Data Analytics” offered to the CSE branch in the I year I Semester – Annexure-XI
4. The proposed syllabus for the course titled “Elective-I- Computational Linear Algebra” offered to the CSE branch in the I year I Semester – Annexure-XII
5. The proposed syllabus for the course titled “Elective-I-Soft Computing” offered to the CSE branch in the I year I Semester – Annexure-XIII
6. The proposed syllabus for the course titled “Elective-I-Computational Biology” offered to the CSE branch in the I year I Semester – Annexure-XIV
7. The proposed syllabus for the course titled “Elective-I-Internet of Things” offered to the CSE branch in the I year I Semester – Annexure-XV

8. The proposed syllabus for the course titled “Elective-II- Cyber Security for Data Science” offered to the CSE branch in the I year I Semester – Annexure-XVI
9. The proposed syllabus for the course titled “Elective-II- Optimization Techniques for Data Science” offered to the CSE branch in the I year I Semester – Annexure-XVII
10. The proposed syllabus for the course titled “Elective-II- Time Series data Analysis” offered to the CSE branch in the I year I Semester – Annexure-XVIII
11. The proposed syllabus for the course titled “Elective-II- Natural Language Processing” offered to the CSE branch in the I year I Semester – Annexure-XIX
12. The proposed syllabus for the course titled “Elective-II- Statistical Modeling” offered to the CSE branch in the I year I Semester – Annexure-XX
13. The proposed syllabus for the course titled “Data Science Applications with Python Lab” offered to the CSE branch in the I year I Semester – Annexure-XXI
14. The proposed syllabus for the course titled “Cloud Computing and Big Data Analytics Lab” offered to the CSE branch in the I year I Semester – Annexure-XXII
15. The proposed syllabus for the course titled “Machine Learning” offered to the CSE branch in the I year II Semester – Annexure-XXIII
16. The proposed syllabus for the course titled “Data Visualization” offered to the CSE branch in the I year II Semester – Annexure-XXIV
17. The proposed syllabus for the course titled “Elective-III- Image and Video Analytics” offered to the CSE branch in the I year II Semester – Annexure-XXV
18. The proposed syllabus for the course titled “Elective-III- Social Media Analytics” offered to the CSE branch in the I year II Semester – Annexure-XXVI

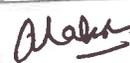
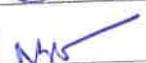
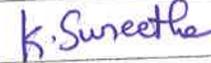
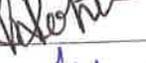
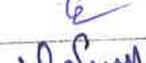
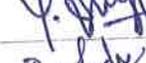
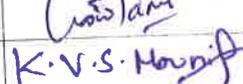
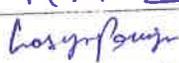
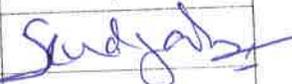
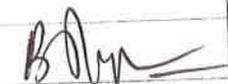
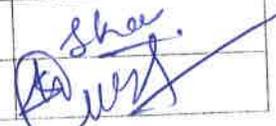
19. The proposed syllabus for the course titled “Elective-III- Deep Learning” offered to the CSE branch in the I year II Semester – Annexure-XXVII
20. The proposed syllabus for the course titled “Elective-III- Business Analytics” offered to the CSE branch in the I year II Semester – Annexure-XXVIII
21. The proposed syllabus for the course titled “Elective-III- High Performance Computing” offered to the CSE branch in the I year II Semester – Annexure-XXIX
22. The proposed syllabus for the course titled “Elective-IV- Geographic Information System” offered to the CSE branch in the I year II Semester – Annexure-XXX
23. The proposed syllabus for the course titled “Elective-IV- Block Chain Technology” offered to the CSE branch in the I year II Semester – Annexure-XXXI
24. The proposed syllabus for the course titled “Elective-IV- Secure Software Design” offered to the CSE branch in the I year II Semester – Annexure-XXXII
25. The proposed syllabus for the course titled “Elective-IV- Data Storage Technologies and Networks” offered to the CSE branch in the I year II Semester – Annexure-XXXIII
26. The proposed syllabus for the course titled “Elective-IV- Information Retrieval Systems” offered to the CSE branch in the I year II Semester – Annexure-XXXIV
27. The proposed syllabus for the course titled “Machine Learning Lab” offered to the CSE branch in the I year II Semester – Annexure-XXXV
28. The proposed syllabus for the course titled “Data Visualization using Tableau Lab” offered to the CSE branch in the I year II Semester – Annexure-XXXVI

**Resolution No: GVPCEW(A)/BOS/CSE/2024/3**

The Board Members unanimously authorize the Chairman to make minor modifications in the title/content of a course if necessary.

The meeting concluded by thanking all the members.

Members Present:

Name of the Member	Designation	Signature
Dr.P.V.S.L.Jagadamba	Chairperson, BoS and Head, Dept of CSE	
Prof P. S. Avadhani	Senior Professor	
Dr. N.B. Venkateswarlu	Professor	
Dr. N. Sharmili	Associate Professor	
Mrs. K. Suneetha	Assistant Professor	
Mr. S. Sumahasan	Assistant Professor	
Dr. A. Uday Kumar	Assistant Professor	
Mrs. K. Rohini	Assistant Professor	
Dr. V. Lakshmana Rao	Assistant Professor	
Mr. G. Sankara Rao	Assistant Professor	
Ms. Y. Sowmya	Assistant Professor	
Ms. D. Indu	Assistant Professor	
Mrs. V. Gowtami Annapurna	Assistant Professor	
Mrs. KVS Mounica	Assistant Professor	
Mrs. M Aswini	Assistant Professor	
Ms A Bindu	Assistant Professor	
Ms. R Archna	Assistant Professor	
Ms. BVNS Lasya Priya	Assistant Professor	
Prof. Siba Kumar Udgata	Subject Expert	
Dr.Jyothi Vedurada	Subject Expert	
Dr.R Padmavathy	Subject Expert	
Prof.B Pragnya	Vice Chancellor's Nominee	
Dr.P.Gayatri	Industry Representative	
Ms. Sandeep Kaur	College Alumni	
Mr.Narra Suresh	Expert for Special Courses	

Chairperson, BoS

The meeting concluded by thanking all the members.

Members Present:

Name of the Member	Designation	Signature
Dr.P.V.S.L.Jagadamba	Chairperson, BoS and Head, Dept of CSE	
Prof P. S. Avadhani	Senior Professor	
Dr. N.B. Venkateswarlu	Professor	
Dr. N. Sharmili	Associate Professor	
Mrs. K. Suneetha	Assistant Professor	
Mr. S. Sumahasan	Assistant Professor	
Dr. A. Uday Kumar	Assistant Professor	
Mrs. K. Rohini	Assistant Professor	
Dr. V. Lakshmana Rao	Assistant Professor	
Mr. G. Sankara Rao	Assistant Professor	
Ms. Y. Sowmya	Assistant Professor	
Ms. D. Indu	Assistant Professor	
Mrs. V. Gowtami Annapurna	Assistant Professor	
Mrs. KVS Mounica	Assistant Professor	
Mrs. M Aswini	Assistant Professor	
Ms A Bindu	Assistant Professor	
Ms. R Archana	Assistant Professor	
Ms. BVNS Lasya Priya	Assistant Professor	
Prof. Siba Kumar Udgata	Subject Expert	
Dr.Jyothi Vedurada	Subject Expert	V. Jyothi
Dr.R Padmavathy	Subject Expert	
Prof.B Pragnya	Vice Chancellor's Nominee	
Dr.P.Gayatri	Industry Representative	
Ms. Sandeep Kaur	College Alumni	
Mr.Narra Suresh	Expert for Special Courses	

  
Chairperson , BoS

The meeting concluded by thanking all the members.

Members Present:

Name of the Member	Designation	Signature
Dr.P.V.S.L.Jagadamba	Chairperson, BoS and	
Prof P. S. Avadhani	Senior Professor	
Dr. N.B. Venkateswarlu	Professor	
Dr. N. Sharmili	Associate Professor	
Mrs. K. Suneetha	Assistant Professor	
Mr. S. Sumahasan	Assistant Professor	
Dr. A. Uday Kumar	Assistant Professor	
Mrs. K. Rohini	Assistant Professor	
Dr. V. Lakshmana Rao	Assistant Professor	
Mr. G. Sankara Rao	Assistant Professor	
Ms. Y. Sowmya	Assistant Professor	
Ms. D. Indu	Assistant Professor	
Mrs. V. Gowtami Annapurna	Assistant Professor	
Mrs. KVS Mounica	Assistant Professor	
Mrs. M Aswini	Assistant Professor	
Ms A Bindu	Assistant Professor	
Ms. R Archna	Assistant Professor	
Ms. BVNS Lasya Priya	Assistant Professor	
Prof. Siba Kumar Udgata	Subject Expert	
Dr.Jyothi Vedurada	Subject Expert	
Dr.R Padmavathy	Subject Expert	
Prof.B Pragnya	Vice Chancellor's Nominee	
Dr.P.Gayatri	Industry Representative	
Ms. Sandeep Kaur	College Alumni	
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Chairperson , BoS

The meeting concluded by thanking all the members.

Members Present:

Name of the Member	Designation	Signature
Dr.P.V.S.L.Jagadamba	Chairperson, BoS and Head, Dept of CSE	
Prof P. S. Avadhani	Senior Professor	
Dr. N.B. Venkateswarlu	Professor	
Dr. N. Sharmili	Associate Professor	
Mrs. K. Suneetha	Assistant Professor	
Mr. S. Sumahasan	Assistant Professor	
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Mr.Narra Suresh	Expert for Special Courses	

  
Chairperson , BoS



# GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING FOR WOMEN (Autonomous)

(Approved by AICTE, New Delhi and Permanently Affiliated to Andhra University, Visakhapatnam)  
Madhurawada :: Visakhapatnam – 530 048

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Minutes of 1<sup>st</sup> meeting of the Board of Studies in Electronics and Communication Engineering department on 3<sup>rd</sup> August 2024(Saturday) at 1 PM in hybrid mode

The meeting of the Board of Studies in Electronics and Communication Engineering department of Gayatri Vidya Parishad College of Engineering for Women (Autonomous) is held on 3<sup>rd</sup> August 2024(Saturday) from 1 PM onwards to finalize the syllabi of the first year (1<sup>st</sup> semester and 2<sup>nd</sup> semester) courses of all B.Tech Programs and first year((1<sup>st</sup> semester and 2<sup>nd</sup> semester ) courses of M.Tech programs offered by the Department of Electronics and Communication Engineering under the regulations R – 2024 from the academic year 2024-25 onwards.

### Members Present:

Dr P.M.K.Prasad - Chairperson

### External Members:

1	Prof. Tapan Kumar Gandhi Professor, Department of Electrical Engineering Indian Institute of Technology, Delhi	Subject Expert	Online
2	Prof.Venkata Mani V. Professor Dept.of ECE, National Institute of Technology, Warangal	Subject Expert	Offline
3	Prof.P.Rajesh Kumar Professor Dept.of Electronics and Communication Engineering AU College of Engineering (A) Visakhapatnam	Vice Chancellor's Nominee	Offline
4	Sri A.Venkata Krishna CEO , Ascentsemi R & D Pvt.Ltd Bengaluru	Industry Representative	Offline
5	Ms.Krishna Deepika Chittela Staff Engineer Synoposys, Bengaluru	College Alumni	Online
6	Sri Amal Raj Pukkella Founder, Digifac Services Pvt.Ltd & COO, Headfitted Pvt Ltd Visakhapatnam	Expert for Special Courses	Offline

### Internal Members:

1	Dr.L.Ganesh	Associate Professor	Offline
2	Dr.B.Vijayalakshmi	Associate Professor <b>HEAD</b>	Offline

GVPCEW(A)-ECE-BOS-1Meeting held on 3/8/2024

DEPARTMENT OF  
ELECTRONICS AND COMMUNICATION ENGINEERING

3	Dr.D.V.A.N.Kavikumar	Associate Professor	Offline
4	Ms.B.V.S.Renuka Devi	Assistant Professor	On leave
5	Ms.Ch.Sirisha	Assistant Professor	Offline
6	Dr.M.Manikumari	Assistant Professor	Offline
7	Mr.N.V.Maheswara Rao	Assistant Professor	Offline
8	Ms.B.Lakshmi	Assistant Professor	Offline
9	Ms.L.Sarika	Assistant Professor	Offline
10	Mr.R.Sunil Kumar	Assistant Professor	Offline
11	Mr.PVK Chaitanya	Assistant Professor	Offline
12	Ms.N.Roopavathi	Assistant Professor	Offline
13	Ms.B.Divyasathi	Assistant Professor	Offline
14	Dr.P.V.Dileep Bhumireddi	Assistant Professor	Offline
15	Ms.R.Jalaja	Assistant Professor	Maternity leave
16	Ms.M.Hemlata	Assistant Professor	On Leave
17	Ms.BVR Gowri	Assistant Professor	Offline
18	Ms.K.Aishawrya	Assistant Professor	On leave

The meeting started with a welcome note by the Principal & Chairman, Academic Council wherein the salient features of the regulations R-2024 was highlighted to joint Board of Studies. Next, the Principal requested the different Department Board Chairmen/Chairpersons to discuss and approve the proposed syllabi of the first year courses under R – 2024 regulations offered for various B.Tech Programs and M.Tech Programs from the academic year 2024-25.

The Board of Studies meeting of the Department of Electronics and Communication Engineering started with a welcome note by the Chairperson wherein she presented a outline of the regulations R-2024 and requested the Board to discuss and approve the proposed syllabi.

After serious and fruitful deliberations on the proposed syllabi of the courses under R – 2024 regulations offered by the Department of Electronics and Communication Engineering for B.Tech and M.Tech Programs from the academic year 2024-25 onwards, the Board agreed to offer courses for different B.Tech,M.Tech programs as requested by the Chairperson of the respective BoS of other Engineering Departments. The Board unanimously resolved the following:

**Resolution No: GVPCEW(A)/BOS/ECE/2024/1**

It is resolved to recommend to the Academic Council that the following courses offered for B.Tech Programs to be effective from 2024 admitted batch onwards for approval.

1. The proposed syllabus for the course titled “Electronic Devices and Circuits ” offered to the ECE branch in the I year I Semester – Annexure-I
2. The proposed syllabus for the course titled “Electronic Devices and Circuits Lab ” offered to the ECE branch in the I year I Semester – Annexure-II
3. The proposed syllabus for the course titled “Basic Electronics Engineering ” offered to the EEE branch in the I year I semester – Annexure-III
4. The proposed syllabus for the course titled “Elements of Electronics Engineering ” offered to the CSM,CSE,IT branch in the I year I semester/II Semester-Annexure-IV

HEAD  
DEPARTMENT OF

ELECTRONICS AND COMMUNICATION ENGINEERING  
G V P COLLEGE OF ENGINEERING FOR WOMEN

5. The proposed syllabus for the course titled "Digital Logic Design" offered to the ECE branch in the I year II Semester – Annexure-V
6. The proposed syllabus for the course titled "Electronic Circuit Analysis" offered to the ECE branch in the I year II Semester – Annexure-VI
7. The proposed syllabus for the course titled "Digital Logic Design lab" offered to the ECE branch in the I year II Semester – Annexure-VII
8. The proposed syllabus for the course titled "Electronic Circuit Analysis lab" offered to the ECE branch in the I year II Semester – Annexure-VIII

**Resolution No: GVPCEW(A)/BOS/ECE/2024/2**

It is resolved to recommend to the Academic Council that the following courses offered for M.Tech Programs to be effective from 2024 admitted batch onwards for approval.

1. The proposed syllabus for the course titled "Analog and Digital CMOS VLSI Design" offered to the ECE branch in the I year I Semester – Annexure-IX
2. The proposed syllabus for the course titled "Embedded systems Design" offered to the ECE branch in the I year I Semester – Annexure-X
3. The proposed syllabus for the course titled "Application Specific Integrated Circuit(ASIC)" offered to the ECE branch in the I year I Semester – Annexure-XI
4. The proposed syllabus for the course titled "Advanced Operating Systems" offered to the ECE branch in the I year I Semester – Annexure-XII
5. The proposed syllabus for the course titled "Parallel Processing" offered to the ECE branch in the I year I Semester – Annexure-XIII
6. The proposed syllabus for the course titled "CPLD and FPGA Architectures & Applications" offered to the ECE branch in the I year I Semester – Annexure-XIV
7. The proposed syllabus for the course titled "Electronic Design Automation Tools" offered to the ECE branch in the I year I Semester – Annexure-XV
8. The proposed syllabus for the course titled "Digital System Design" offered to the ECE branch in the I year I Semester – Annexure-XVI
9. The proposed syllabus for the course titled "Analog and Digital CMOS VLSI Design Lab" offered to the ECE branch in the I year I Semester – Annexure-XVII
10. The proposed syllabus for the course titled "Embedded systems Design Lab" offered to the ECE branch in the I year I Semester – Annexure-XVIII
11. The proposed syllabus for the course titled "RTL Design & Verification using System Verilog" offered to the ECE branch in the I year II Semester – Annexure-XIX
12. The proposed syllabus for the course titled "Internet of Things and its applications" offered to the ECE branch in the I year II Semester – Annexure-XX

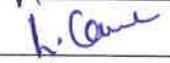
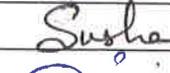
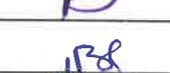
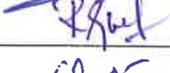
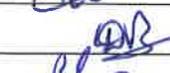
13. The proposed syllabus for the course titled "Low power VLSI Design" offered to the ECE branch in the I year II Semester – Annexure-XXI
14. The proposed syllabus for the course titled "System on Chip Design" offered to the ECE branch in the I year II Semester – Annexure-XXII
15. The proposed syllabus for the course titled "Digital signal and Image Processing" offered to the ECE branch in the I year II Semester – Annexure-XXIII
16. The proposed syllabus for the course titled "Communication Buses and Interfaces" offered to the ECE branch in the I year II Semester – Annexure-XXIV
17. The proposed syllabus for the course titled "Design for Testability" offered to the ECE branch in the I year II Semester – Annexure-XXV.
18. The proposed syllabus for the course titled "DSP Processors and Architectures" offered to the ECE branch in the I year II Semester – Annexure-XXVI
19. The proposed syllabus for the course titled "RTL Design & Verification using System Verilog lab" offered to the ECE branch in the I year II Semester – Annexure-XXVII.
20. The proposed syllabus for the course titled "Internet of Things and its applications lab" offered to the ECE branch in the I year II Semester – Annexure-XXVIII
21. The proposed syllabus for the course titled "Mini project with seminar" offered to the ECE branch in the I year II Semester – Annexure-XXIX

**Resolution No: GVPCEW(A)/BOS/ECE/2024/3**

The Board Members unanimously authorize the Chairperson to make minor modifications in the title/content of a course if necessary.

The meeting concluded by thanking all the members.

Members Present:

Name of the Member	Designation	Signature
Dr.P.M.K.Prasad	Chairperson, BoS and Head, Dept of ECE	
Dr.L.Ganesh	Associate Professor	
Dr.B.Vijayalakshmi	Associate Professor	
Dr.D.V.A.N.Ravikumar	Associate Professor	
Ms.Ch.Sirisha	Assistant Professor	
Dr.M.Manikumari	Assistant Professor	
Mr.N.V.Maheswara Rao	Assistant Professor	
Ms.B.Lakshmi	Assistant Professor	
Ms.L.Sarika	Assistant Professor	
Mr.R.Sunil Kumar	Assistant Professor	
Mr.PVK Chaitanya	Assistant Professor	
Ms.N.Roopavathi	Assistant Professor	
Ms.B.Divyasathi	Assistant Professor	
Dr.P.V.Dileep Bhumireddi	Assistant Professor	

HEAD

DEPARTMENT OF  
ELECTRONICS AND COMMUNICATION ENGINEERING

MS.D. V.K.GOWD	Assistant Professor	<i>Gur</i>
Dr. Tapan Kumar Gandhi	Subject Expert	
Prof.Venkata Mani V.	Subject Expert	<i>Mani</i>
Prof.P.Rajesh Kumar	Vice Chancellor's Nominee	<i>Ry</i>
Sri A.Venkata Krishna	Industry Representative	<i>K. Krishna</i>
Ms.Krishna Deepika Chittela	College Alumni	
Sri Amal Raj Pukkella	Expert for Special Courses	<i>Amal Raj</i>

*Amal*  
Chairperson, BoS

**HEAD**  
**DEPARTMENT OF**  
**ELECTRONICS AND COMMUNICATION ENGINEERING**  
**G V P COLLEGE OF ENGINEERING FOR W**  
**MADHURAWADA, VISAKHAPATNAM - 5**

Ms.B.V.R.Gowri	Assistant Professor	
Prof.Tapan Kumar Gandhi	Subject Expert	2/25
Prof.Venkata Mani V.	Subject Expert	
Prof.P.Rajesh Kumar	Vice Chancellor's Nominee	
Sri A.Venkata Krishna	Industry Representative	
Ms.Krishna Deepika Chittela	College Alumni	
Sri Amal Raj Pukkella	Expert for Special Courses	

*[Handwritten Signature]*  
Chairperson, BoS

**HEAD**  
**DEPARTMENT OF**  
**ELECTRONICS AND COMMUNICATION ENGINEERING**  
**G V P COLLEGE OF ENGINEERING FOR WOMEN**  
**MADHURAWADA, VISAKHAPATNAM - 520 002**



# GAYATRI VIDYA PARISHAD

## COLLEGE OF ENGINEERING FOR WOMEN

(Autonomous)

Kommadi, Madhurawada, Visakhapatnam - 530 048

(Approved by AICTE, New Delhi; Permanently Affiliated to Andhra University, Visakhapatnam)

(Accredited by National Board of Accreditation (NBA) for B.Tech. CSE, ECE and IT - Valid from 2019-2022 and 2022-2025)

(Accredited by National Board of Accreditation (NBA) for B.Tech. EEE—Valid from 2023-2026)

(Accredited by National Assessment and Accreditation Council (NAAC) with A grade Valid from 2022-2027)

Phone : 91-0891-2739144; 2739124; 2719125; 2719127; Email ID: gypcew@gmail.com; info@gypcew.ac.in Website : www.gypcew.ac.in

**EAPCET**

**Code**

**GVPW**

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (AI & ML)

Date: 03/08/2024

Minutes of 1<sup>st</sup> meeting of the Board of Studies in Computer Science and Engineering (AI & ML) department on 3<sup>rd</sup> August 2024 (Saturday) at 1.00 PM in hybrid mode.

The meeting of the Board of Studies in Computer Science and Engineering (AI & ML) department of Gayatri Vidya Parishad College of Engineering for Women (Autonomous) is held on 3<sup>rd</sup> August 2024 (Saturday) from 1.00 PM onwards to finalize the syllabi of the first year (1<sup>st</sup> semester and 2<sup>nd</sup> semester) courses of all B. Tech Programs offered by the Department of Electrical and Electronics Engineering under the regulations R – 2024 from the academic year 2024-25 onwards.

Members not present:

Mr. Rajesh Srinivasan, Vice President, CGI India	Expert for Special Courses
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Members Present:

Person in Chair: Dr. D. K. Bebart, HoD-CSE (AI&ML)

External Members:

Prof. S Viziananda Row, Professor, Computer Science and Systems Engineering, Andhra University, Visakhapatnam	Vice Chancellor's Nominee	Offline
Dr. Debi Prosad Dogra, Asso. Professor, IIT Bhubaneswar	Subject Expert	Online
Dr. Anjali Mahapatra, Asst. Professor, IIIT, Bhubaneswar	Subject Expert	Online
Dr M Subrahmanya Sarma, Vice President, Accenture	Industry Representative	Online
Mrs. Vivekitha Sagi, Lead Quality Engineer, Persistent Systems	Expert for Special Courses	Offline

Internal Members:

Dr. M R K Krishna Rao, Professor	BoS Member	Offline
Dr. K Purushotam Naidu, Assistant Professor	BoS Member	Offline
Mrs. D. B. Santhoshi Assistant Professor	BoS Member	Offline
Mrs. H Gouthami Assistant Professor	BoS Member	Offline
Mr. P Siva Assistant Professor	BoS Member	Offline
Mrs. Sujatha Mudadla Assistant Professor	BoS Member	Offline

The joint Board of Studies meeting started with a welcome note by the Principal in the presence of BoS Chairmen, and Academic Council members wherein the salient features of the regulations R-2024 were highlighted. Next, the Principal requests the different Department of Board Chairman to discuss and approve the proposed syllabi of the first-year courses under R – 2024 regulations offered for various B. Tech Programs and M. Tech Programs (if applicable) from the academic year 2024-25.

The Board of Studies meeting of the Department of Computer Science and Engineering (AI &ML) started with a welcome note by the Chairman wherein he presented an outline of the regulations R-2024 and requested the Board to discuss and approve the proposed syllabi.

After serious and fruitful deliberations on the proposed syllabi of the courses under R – 2024 regulations offered by the Department of Computer Science and Engineering (AI &ML) for B. Tech Programs from the academic year 2024-25 onwards, the Board agreed to offer courses for different B. Tech programs as requested by the Chairman of the respective BoS of other Engineering Departments. The Board unanimously resolved the following:

**Resolution No: GVPCEW(A)/BOS/CSM/2024/1**

It is resolved to recommend to the Academic Council that the following courses offered for B. Tech Programs to be effective from 2024 admitted batch onwards for approval.

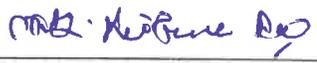
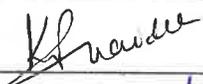
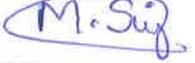
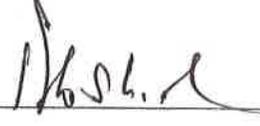
1. The proposed syllabus for the course “Python Programming” offered to the CSE (AI&ML) branch in the I year II Semester. **Annexure-I**
2. The proposed syllabus for the course titled “Fundamentals of Computers” offered to the CSE (AI&ML) branch in the I year I Semester. **Annexure-II**
3. The proposed syllabus for the course “Python Programming Lab” offered to the CSE (AI&ML) branch in the I year II Semester. **Annexure-III**
4. The proposed syllabus for the course titled “Computer Engineering Workshop” offered to the CSE (AI&ML) branch in the I year I Semester – **Annexure-IV**
5. The proposed syllabus for the course “Problem solving using C” offered to the CSE (AI&ML) branch in the I year I Semester. **Annexure-V**
6. The proposed syllabus for the course titled “Web Technologies Fundamentals Lab” offered to the CSE (AI&ML) branch in the I year II Semester. **Annexure-VI**
7. The proposed syllabus for the course “Problem solving using C Lab” offered to the CSE (AI&ML) branch in the I year I Semester. **Annexure-VII**

**Resolution No: GVPCEW(A)/BOS/CSM/2024/2**

The Board Members unanimously authorize the Chairman to make minor modifications in the title/content of a course if necessary.

The meeting is concluded by thanking all the BoS members present in online or offline mode.

Members Present:

BoS Member's Name	Designation	Signature
Dr. D. K. Bebarta, HoD-CSE (AI&ML)	Chairman	
Dr. M R K Krishna Rao, Professor	BoS Member	
Dr. K Purushotam Naidu, Assistant Professor	BoS Member	
Mrs. D. B. Santhoshi Assistant Professor	BoS Member	
Mrs. H Gouthami Assistant Professor	BoS Member	
Mr. P Siva Assistant Professor	BoS Member	
Mrs. Sujatha Mudadla Assistant Professor	BoS Member	
Prof. S Viziananda Row, Professor, Computer Science and Systems Engineering, Andhra University, Visakhapatnam	Vice Chancellor's Nominee	
Dr. Debi Prosad Dogra, Asso. Professor, IIT Bhubaneswar	Subject Expert	
Dr. Anjali Mahapatra, Asst. Professor, IIIT, Bhubaneswar	Subject Expert	
Dr M Subrahmanya Sarma, Vice President, Accenture	Industry Representative	
Mr. Rajesh Srinivasan, Vice President, CGI India	Expert for Special Courses	
Mrs. Vivekitha Sagi, Lead Quality Engineer, Persistent Systems	College Alumni	

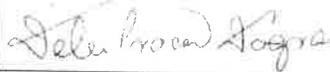
  
Dr. Dwiti Krishna Bebarta  
HoD-CSE (AI&ML)

**Resolution No: GVPCEW(A)/BOS/CSM/2024/2**

The Board Members unanimously authorize the Chairman to make minor modifications in the title/content of a course if necessary.

The meeting is concluded by thanking all the BoS members present in online or offline mode.

Members Present:

BoS Member's Name	Designation	Signature
Dr. D. K. Bebartha, HoD-CSE (AI&ML)	Chairman	
Dr. M R K Krishna Rao, Professor	BoS Member	
Dr. K Purushotam Naidu, Assistant Professor	BoS Member	
Mrs. D. B. Santhoshi Assistant Professor	BoS Member	
Mrs. H Gouthami Assistant Professor	BoS Member	
Mr. P Siva Assistant Professor	BoS Member	
Mrs. Sujatha Mudadla Assistant Professor	BoS Member	
Prof. S Viziananda Row, Professor, Computer Science and Systems Engineering, Andhra University, Visakhapatnam	Vice Chancellor's Nominee	
Dr. Debi Prosad Dogra, Asso. Professor, IIT Bhubaneswar	Subject Expert	
Dr. Anjali Mahapatra, Asst. Professor, IIIT, Bhubaneswar	Subject Expert	
Dr M Subrahmanya Sarma, Vice President, Accenture	Industry Representative	
Mr. Rajesh Srinivasan, Vice President, CGI India	Expert for Special Courses	
Mrs. Vivekitha Sagi, Lead Quality Engineer, Persistent Systems	College Alumni	

  
Dr. Dwiti Krishna Bebartha  
HoD-CSE (AI&ML)

**Resolution No: GVPCEW(A)/BOS/CSM/2024/2**

The Board Members unanimously authorize the Chairman to make minor modifications in the title/content of a course if necessary.

The meeting is concluded by thanking all the BoS members present in online or offline mode.

Members Present:

BoS Member's Name	Designation	Signature
Dr. D. K. Bebarta, HoD-CSE (AI&ML)	Chairman	
Dr. M R K Krishna Rao, Professor	BoS Member	
Dr. K Purushotam Naidu, Assistant Professor	BoS Member	
Mrs. D. B. Santhoshi Assistant Professor	BoS Member	
Mrs. H Gouthami Assistant Professor	BoS Member	
Mr. P Siva Assistant Professor	BoS Member	
Mrs. Sujatha Mudadla Assistant Professor	BoS Member	
Prof. S Viziananda Row, Professor, Computer Science and Systems Engineering, Andhra University, Visakhapatnam	Vice Chancellor's Nominee	
Dr. Debi Prosad Dogra, Asso. Professor, IIT Bhubaneswar	Subject Expert	
Dr. Anjali Mahapatra, Asst. Professor, IIT, Bhubaneswar	Subject Expert	Anjali Mahapatra 03/08/2024
Dr M Subrahmanya Sarma, Vice President, Accenture	Industry Representative	
Mr. Rajesh Srinivasan, Vice President, CGI India	Expert for Special Courses	
Mrs. Vivekitha Sagi, Lead Quality Engineer, Persistent Systems	College Alumni	

  
Dr. Dwiti Krishna Bebarta  
HoD-CSE (AI&ML)

The Board Members unanimously authorize the Chairman to make minor modifications in the title/content of a course if necessary.

The meeting is concluded by thanking all the BoS members present in online or offline mode.

Members Present:

BoS Member's Name	Designation	Signature
Dr. D. K. Bebartha, HoD-CSE (AI&ML)	Chairman	
Dr. M R K Krishna Rao, Professor	BoS Member	
Dr. K Purushotam Naidu, Assistant Professor	BoS Member	
Mrs. D. B. Santhoshi Assistant Professor	BoS Member	
Mrs. H Gouthami Assistant Professor	BoS Member	
Mr. P Siva Assistant Professor	BoS Member	
Mrs. Sujatha Mudadla Assistant Professor	BoS Member	
Prof. S Viziananda Row, Professor, Computer Science and Systems Engineering, Andhra University, Visakhapatnam	Vice Chancellor's Nominee	
Dr. Debi Prosad Dogra, Asso. Professor, IIT Bhubaneswar	Subject Expert	
Dr. Anjali Mahapatra, Asst. Professor, IIIT, Bhubaneswar	Subject Expert	
Dr M Subrahmanya Sarma, Vice President, Accenture	Industry Representative	
Mr. Rajesh Srinivasan, Vice President, CGI India	Expert for Special Courses	
Mrs. Vivekitha Sagi, Lead Quality Engineer, Persistent Systems	College Alumni	

HoD-CSE (AI&ML)

  
Dr. Dwiti Krishna Bebartha



# GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING FOR WOMEN (Autonomous)

(Approved by AICTE, New Delhi and Permanently Affiliated to Andhra University, Visakhapatnam)  
Madhurawada :: Visakhapatnam – 530 048

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Minutes of 2<sup>nd</sup> meeting of the Board of Studies in Electrical and Electronics Engineering Department held on 10<sup>th</sup> & 11<sup>th</sup> April 2025 (Thursday & Friday) from 10:00AM to 04:00PM in hybrid mode

The meeting of the Board of Studies in Electrical and Electronics Engineering Department of Gayatri Vidya Parishad College of Engineering for Women is held on 10<sup>th</sup> & 11<sup>th</sup> April 2025 (Thursday & Friday) from 10:00AM to 04:00PM to finalize the course structure and syllabi of the 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> year (1<sup>st</sup> semester and 2<sup>nd</sup> semester) courses of B. Tech Program under the regulations R – 24 from the academic year 2024-25 onwards.

### Members Present:

Dr R V S Lakshmi Kumari - Chairperson

### External Members:

1	Dr K Srikumar, Professor, Dept of EEE JNTU-GV, Vizianagaram	Subject Expert	Offline
2	Dr A Hemachander, Assistant Professor, Dept of EEE NIT-Puducherry, Puducherry	Subject Expert	Offline
3	Dr P Mallikarjuna Rao, Professor & Head of the Dept of Electrical & Electronics Engineering, AU College of Engineering, Visakhapatnam	Vice Chancellor's Nominee	Offline
4	Dr M Santhosh Kumar, System Design Engineer Sensata Technologies, Pune	Industry Representative	Online
5	Ms Ch Vijayalakshmi, Junior Electrical Engineer ACUTRONIC India Pvt Ltd Hyderabad	College Alumni	Offline
6	Ms I Kavya, Associate Senior Electrical Engineer Burnsand Mc Donnell's India Pvt Ltd Bangalore	Expert for Special Courses	Offline

**Internal Members:**

1	Dr ASV Vijaya Lakshmi	Assistant Professor	Offline
2	Dr M Krishna	Assistant Professor	Offline
3	Mrs V Sree Vidhya	Assistant Professor	Offline
4	Mr Y Ramu	Assistant Professor	Offline
5	Mr D Srinivas Reddy	Assistant Professor	Offline
6	Ms P Sai Jyothi	Assistant Professor	Offline
7	Mrs B Kusuma Kumari	Assistant Professor	Offline
8	Mr A Srinivasa Rao	Assistant Professor	Offline

The meeting commenced with the Principal & Chairman, Academic Council, welcoming the members of Board of Studies of different departments and requested to frame the syllabus in accordance with the guidelines of NEP-2020 and the industry standards.

Following this, the Principal informed the members about the amendment made to the Academic Rules and Regulations (R-24) for B.Tech Programs in accordance with AICTE recommendations during the Academic Council meeting held on 26.10.2024.

The amendment pertains to the B. Tech Program regulations at GVPCEW(A), effective from the 2024-25 admitted batch. As per Section 17 (A-ii) of the Academic Rules & Regulations (R-24), the previous requirement for earning a B.Tech Degree with a Minor was to complete 12 credits within the 160-credit framework of the B.Tech program. This condition has now been revised, requiring students to earn 12 additional credits beyond the 160-credit requirement.

The Board of Studies (BoS) meeting of the Department of Electrical and Electronics Engineering commenced with a welcome note from the Chairperson, who also outlined the key resolutions made in the earlier BoS meeting held on 3rd August 2024, which finalized the course structure and syllabi of the 1st year. The Chairperson further requested the Board to deliberate on the course structure and syllabi for the 2nd, 3rd, and 4th years and approve the proposed modifications.

After a detailed and constructive discussion on the revised syllabus for the B.Tech program under R-24 regulations, the Board collectively agreed to implement the proposed courses across various B.Tech program.

The Board unanimously resolved the following:

**Item-1: B.Tech EEE Course Structure****Resolution No: GVPCEW(A)/BOS-2/EEE/2025/1**

It has been resolved to recommend to the Academic Council for approval of 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup> year B.Tech EEE program as outlined in Annexure-I. The courses are to be offered for B.Tech Program from the 2024 admitted batch onwards.

**Item-2: Approval of syllabus of II, III & IV B.Tech EEE Program**

**Resolution No: GVPCEW(A)/BOS-2/EEE/2025/2**

It is resolved to recommend to the Academic Council that the following courses offered for B.Tech EEE Program to be effective from 2024 admitted batch onwards for approval.

1. The proposed syllabus for the course titled “Electrical Circuits 2” offered to the EEE branch in the II year I Semester – Annexure-II
2. The proposed syllabus for the course titled “Electrical Machines 1” offered to the EEE branch in the II year I Semester – Annexure-III
3. The proposed syllabus for the course titled “Electrical Circuits Lab” offered to the EEE branch in the II year I Semester – Annexure-IV
4. The proposed syllabus for the course titled “Design of Electrical Circuits Using Engineering Software” offered to the EEE branch in the II year I Semester – Annexure-V
5. The proposed syllabus for the course titled “Electrical Machines 2” offered to the EEE branch in the II year II Semester – Annexure-VI
6. The proposed syllabus for the course titled “Electrical Measurements” offered to the EEE branch in the II year II Semester – Annexure-VII
7. The proposed syllabus for the course titled “EMF Theory” offered to the EEE branch in the II year II Semester – Annexure-VIII
8. The proposed syllabus for the course titled “Power Systems 1” offered to the EEE branch in the II year II Semester – Annexure-IX
9. The proposed syllabus for the course titled “Electrical Machines I Lab” offered to the EEE branch in the II year II Semester – Annexure-X
10. The proposed syllabus for the course titled “Electrical Measurements Lab” offered to the EEE branch in the II year II Semester – Annexure-XI
11. The proposed syllabus for the course titled “Electrical CAD” offered to the EEE branch in the II year II Semester – Annexure-XII
12. The proposed syllabus for the course titled “Control Systems” offered to the EEE branch in the III year I Semester – Annexure-XIII
13. The proposed syllabus for the course titled “Power Electronics” offered to the EEE branch in the III year I Semester – Annexure-XIV
14. The proposed syllabus for the course titled “Power systems 2” offered to the EEE branch in the III year I Semester – Annexure-XV
15. The proposed syllabus for the course titled “Control Systems Lab” offered to the EEE branch in the III year I Semester – Annexure-XVI
16. The proposed syllabus for the course titled “Electrical Machines 2 Lab” offered to the EEE branch in the III year I Semester – Annexure-XVII
17. The proposed syllabus for the course titled “Electric Drives” offered to the EEE branch in the III year II Semester – Annexure-XVIII

18. The proposed syllabus for the course titled “Power System Analysis and Stability” offered to the EEE branch in the III year II Semester – Annexure-XIX
19. The proposed syllabus for the course titled “Power Electronics Lab” offered to the EEE branch in the III year II Semester – Annexure-XX
20. The proposed syllabus for the course titled “Power Systems Simulation Lab” offered to the EEE branch in the III year II Semester – Annexure-XXI
21. The proposed syllabus for the course titled “Fundamentals of PLC Programming” offered to the EEE branch in the III year II Semester – Annexure-XXII
22. The proposed syllabus for the course titled “IOT and its Applications” offered to the EEE branch in the IV year I Semester – Annexure-XXIII

**Item-3: Approval of syllabus of Professional Elective courses**

**Resolution No: GVPCEW(A)/BOS-2/EEE/2025/3**

It is resolved to recommend to the Academic Council that the following Program Elective courses offered for B.Tech EEE Program to be effective from 2024 admitted batch onwards for approval.

1. The proposed syllabus for the course titled “Artificial Intelligence Applications in Power Systems” offered to the EEE branch students – Annexure-XXIV
2. The proposed syllabus for the course titled “Digital Control Systems” offered to the EEE branch students – Annexure- XXV
3. The proposed syllabus for the course titled “Electrical Distribution Systems” offered to the EEE branch students – Annexure- XXVI
4. The proposed syllabus for the course titled “Electrical Energy Audit and Management” offered to the EEE branch students – Annexure- XXVII
5. The proposed syllabus for the course titled “Flexible AC Transmission Systems” offered to the EEE branch students – Annexure- XXVIII
6. The proposed syllabus for the course titled “HVDC Transmission” offered to the EEE branch students – Annexure- XXIX.
7. The proposed syllabus for the course titled “Hybrid Electric Vehicles” offered to the EEE branch students – Annexure-XXX
8. The proposed syllabus for the course titled “Machine Learning Applications in Electrical Engineering” offered to the EEE branch students – Annexure- XXXI
9. The proposed syllabus for the course titled “Power System Operation and Control” offered to the EEE branch students – Annexure- XXXII
10. The proposed syllabus for the course titled “Power System Protection” offered to the EEE branch students – Annexure- XXXIII
11. The proposed syllabus for the course titled “Renewable Energy Sources” offered to the EEE branch students – Annexure- XXXIV

12. The proposed syllabus for the course titled “Smart Grids” offered to the ECE branch in the II year I Semester – Annexure- XXXV
13. The proposed syllabus for the course titled “Special Electrical Machines” offered to the EEE branch students – Annexure-XXXVI
14. The proposed syllabus for the course titled “Utilization of Electrical Energy” offered to the EEE branch students – Annexure-XXXVII

**Item-4: Approval of syllabus of Open Elective courses to Other Departments offered by EEE**

**Resolution No: GVPCEW(A)/BOS-2/EEE/2024/4**

It is resolved to recommend to the Academic Council that the following Open Elective courses and other department courses offered by EEE Program to be effective from 2024 admitted batch onwards for approval.

1. The proposed syllabus for the course titled “Basics of Electrical Wiring” offered as open elective by the Department of EEE to other Departments – Annexure- XXXVIII
2. The proposed syllabus for the course titled “Fundamentals of Power Electronics” offered as open elective by the Department of EEE to other Departments – Annexure- XXXIX
3. The proposed syllabus for the course titled “Fundamentals of Utilization Of Electrical Energy” offered as open elective by the Department of EEE to other Departments – Annexure- XL
4. The proposed syllabus for the course titled “Linear Control Systems” offered as open elective by the Department of EEE to other Departments – Annexure- XLI
5. The proposed syllabus for the course titled “Sustainable Energy Sources” offered as open elective by the Department of EEE to other Departments – Annexure- XLII

**Item-5: Approval of the subjects & syllabus related to Minor program in EEE**

**Resolution No: GVPCEW(A)/BOS-2/EEE/2025/5**

It is resolved to recommend to the Academic Council that the following courses offered for Minor Program in EEE to be effective from 2024 admitted batch onwards for approval.

1. The proposed syllabus for the course titled “Basics of Smart Grids” offered as Minor course in EEE – Annexure- XLIII
2. The proposed syllabus for the course titled “Concepts of Power System Engineering” offered as Minor course in EEE – Annexure- XLIV
3. The proposed syllabus for the course titled “Electrical Vehicle Technology” offered as Minor course in EEE – Annexure- XLV
4. The proposed syllabus for the course titled “Energy Conservation, Audit and Management” offered as Minor course in EEE – Annexure- XLVI

**Item-6: Approval of the subjects & syllabus related to Honors program in EEE**

**Resolution No: GVPCEW(A)/BOS-2/EEE/2025/6**

It is resolved to recommend to the Academic Council that the following courses offered for Honors Program in EEE to be effective from 2024 admitted batch onwards for approval.

1. The proposed syllabus for the course titled “Electrical Vehicle Motor Drives” offered as Honors course in EEE – Annexure- XLVII
2. The proposed syllabus for the course titled “Energy Management Strategies and Communication Protocols for EV/HEV” offered as Honors course in EEE – Annexure- XLVIII
3. The proposed syllabus for the course titled “Energy Storage Systems” offered as Honors course in EEE – Annexure- XLIX
4. The proposed syllabus for the course titled “EV Charging Technologies” offered as Honors course in EEE – Annexure- L
5. The proposed syllabus for the course titled “Switched Mode Power Conversion” offered as Honors course in EEE – Annexure- LI
6. The proposed syllabus for the course titled “Evolutionary Algorithms Applications in Power Engineering” offered as Honors course in EEE – Annexure- LII
7. The proposed syllabus for the course titled “Power Converters for Microgrid” offered as Honors course in EEE – Annexure- LIII
8. The proposed syllabus for the course titled “Power Quality” offered as Honors course in EEE – Annexure- LIV
9. The proposed syllabus for the course titled “Power Systems Reliability” offered as Honors course in EEE – Annexure- LV
10. The proposed syllabus for the course titled “Restructured Power Systems” offered as Honors course in EEE – Annexure- LVI

**Item-7: Approval of syllabus of Mandatory course**

**Resolution No: GVPCEW(A)/BOS-2/EEE/2025/7**

It is resolved to recommend to the Academic Council that the following course offered for B.Tech Program in EEE to be effective from 2024 admitted batch onwards for approval.

1. The proposed syllabus for the course titled “Design Thinking & Innovation” offered as Mandatory course in EEE – Annexure- LVII

**Resolution No: GVPCEW(A)/BOS-2/EEE/2025/8**

The Board Members unanimously authorize the Chairperson to make minor modifications in the title/content of a course if necessary.

The meeting concluded by thanking all the members.

**Members Present:**

Name of the Member	Designation	Signature
Dr R V S Lakshmi Kumari	Chairperson, BoS and Head, Dept of EEE	RVS Lakshmi
Dr ASV Vijaya Lakshmi	Assistant Professor	ASV Vijaya
Dr M Krishna	Assistant Professor	M Krishna
Mrs V Sree Vidhya	Assistant Professor	V Sree Vidhya
Mr Y Ramu	Assistant Professor	Y Ramu
Mr D Srinivas Reddy	Assistant Professor	D. Srinivas Reddy
Ms P Sai Jyothi	Assistant Professor	P. Sai Jyothi
Mrs B Kusuma Kumari	Assistant Professor	B. Kusuma Kumari
Mr A Srinivasa Rao	Assistant Professor	A. Srinivasa Rao
Dr K Srikumar	Subject Expert	K Srikumar
Dr A Hemachander	Subject Expert	A. Hemachander
Dr P Mallikarjuna Rao	Vice Chancellor's Nominee	P Mallikarjuna Rao
Dr M Santhosh Kumar	Industry Representative	M Santhosh Kumar
Ms Ch Vijayalakshmi	College Alumni	Ch Vijayalakshmi
Ms I Kavya	Expert for Special Courses	I Kavya

RVS Lakshmi  
Chairperson, BoS



# GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING FOR WOMEN

(Autonomous)

(Approved by AICTE, New Delhi and Permanently Affiliated to Andhra University, Visakhapatnam)  
Madhurawada :: Visakhapatnam – 530 048

## DEPARTMENT OF INFORMATION TECHNOLOGY

Minutes of 1<sup>st</sup> meeting of the Board of Studies in Information Technology department on 3<sup>rd</sup> August 2024 (Saturday) at 1 PM in hybrid mode.

The meeting of the Board of Studies in Information Technology department of Gayatri Vidya Parishad College of Engineering for Women (Autonomous) is held on 3<sup>rd</sup> August 2024 (Saturday) from 1 PM onwards to finalize the syllabi of the first year (1<sup>st</sup> semester and 2<sup>nd</sup> semester) courses of all B. Tech Programs offered by the Department of Information Technology under the regulations R – 2024 from the academic year 2024-25 onwards.

### Members Present:

Dr. M. Bhanu Sridhar – Chairman & HOD, Dept. of Information Technology

### External Members:

1	Prof. Kunjam Nageswara Rao Dept. of Information Technology AU College of Engineering, Visakhapatnam	Vice Chancellor's Nominee	OFFLINE
2	Prof Rashmi Ranjan Rout Professor, Dept of CSE NIT-Warangal	Subject Expert	ONLINE
3	Dr. N. Rukma Rekha Associate Professor, Dept of CSE University of Hyderabad Hyderabad	Subject Expert	OFFLINE
4	Mr. Sasidhar Maruvada Managing Director nu Vizz Software Solutions Bengaluru	Industry Representative	ONLINE
5	Ms. G. Dhana Lakshmi Assistant Professor Dept of CSE, JNTUKCE JNTUK-Kakinada	College Alumni	OFFLINE
6	Mr. Ayyalasomayajula Siva Sankar Principal Consultant/Key Product Manager, Sposea B.V., Bengaluru	Expert for Special Courses	OFFLINE

**Internal Members:**

1	Dr. C. Srinivas	Associate Professor	OFFLINE
2	Mrs. R. Sridevi	Assistant Professor	OFFLINE
3	Mrs. P. Sridevi,	Assistant Professor	OFFLINE
4	Mr. Ch. V. V. D. Prasad	Assistant Professor	Pursuing Ph. D in IIT Varanasi through Quality Improvement Program
5	Ms. M. Deepthi	Assistant Professor	OFFLINE
6	Mr. G. Tirupati	Assistant Professor	OFFLINE
7	Mr. G. Appaji	Assistant Professor	OFFLINE

The joint Board of Studies meeting started with a welcome note by the Principal in the presence of BoS Chairmen, and Academic Council members wherein the salient features of the regulations R-2024 were highlighted. Next, the Principal requested the different Departments' Board Chairpersons to discuss and approve the proposed syllabi of the first-year courses under R – 2024 regulations offered for various B. Tech Programs and M. Tech Programs (if applicable) from the academic year 2024-25.

The Board of Studies meeting of the Department of Information Technology started with a welcome note by the Chairman wherein he presented an outline of the regulations R-2024 and requested the Board to discuss and approve the proposed syllabi.

After serious and productive deliberations on the proposed syllabi of the courses under R – 2024 regulations offered by the Department of Information Technology for B. Tech Programs from the academic year 2024-25 onwards, the Board agreed to offer courses for different B. Tech programs as requested by the Chairman of the respective BoS of other Engineering Departments. The Board unanimously resolved the following:

**Resolution No: GVPCEW(A)/BOS/IT/2024/1**

It is resolved to recommend to the Academic Council that the following courses offered for B. Tech Programs to be effective from 2024 admitted batch onwards for approval.

1. The proposed syllabus for the course titled 'Python Programming' offered to the IT branch in the I year II Semester – Annexure-I
2. The proposed syllabus for the course titled 'Fundamentals of Computers' offered to the IT branch in the I year I Semester – Annexure-II
3. The proposed syllabus for the course titled 'Python Programming Lab' offered to the IT branch in the I year II Semester – Annexure-III
4. The proposed syllabus for the course titled 'Computer Engineering Workshop Lab' offered to the IT branch in the I year I Semester – Annexure-IV

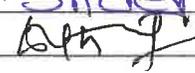
5. The proposed syllabus for the course titled 'Problem Solving Using C' offered to the IT branch in the I year I Semester – Annexure-V
6. The proposed syllabus for the course titled 'Web Technologies Fundamentals Lab' offered to the IT branch in the I year II Semester – Annexure-VI
7. The proposed syllabus for the course titled 'Problem Solving Using C Lab' offered to the IT branch in the I year I Semester – Annexure-VII

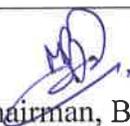
Resolution No: GVPCEW(A)/BOS/IT/2024/2

The Board Members unanimously authorize the Chairperson to make minor modifications in the title/content of a course, if necessary.

The meeting concluded by thanking all the members.

**Members Present:**

Name of the Member	Designation	Signature
Dr. M. Bhanu Sridhar	Chairman of BOS and HOD, Department of Information Technology	
Prof. Kunjam Nageswara Rao, Professor and HOD, Dept. of IT, AU, Visakhapatnam	Vice Chancellor's Nominee	
Prof. Rashmi Ranjan Rout Professor, Dept of CSE NIT-Warangal	Subject Expert	
Dr. N. Rukma Rekha Associate Professor, Dept of CSE University of Hyderabad Hyderabad	Industry Representative	
Mr. Sasidhar Maruvada Managing Director nu Vizz Software Solutions Bengaluru	College Alumni	
Ms. G. Dhana Lakshmi Assistant Professor Dept of CSE, JNTUKCE JNTUK-Kakinada	Expert for Special Courses	
Mr. Ayyalasomayajula Siva Sankar Principal Consultant/Key Product Manager, Sposea B.V., Bengaluru	BoS Member	
Dr. C. Srinivas	BoS Member	
Mrs. R. Sridevi	BoS Member	R. Sridevi
Mrs. P. Sridevi	BoS Member	P. Sridevi
Ms. M. Deepthi	BoS Member	
Mr. G. Tirupati	BoS Member	
Mr. G. Appaji	BoS Member	

  
Chairman, BOS

Dept. of Information Technology



# GAYATRI VIDYA PARISHAD COLLEGE OF ENGINEERING FOR WOMEN (Autonomous)

(Approved by AICTE, New Delhi and Permanently Affiliated to Andhra University, Visakhapatnam)  
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## DEPARTMENT BASIC SCIENCES AND HUMANITIES (MATHEMATICS)

Minutes of 2<sup>nd</sup> meeting of the Board of Studies in the Department of Basic Sciences and Humanities in Mathematics held on 4<sup>th</sup> April 2025 (Friday) at 10:00AM in hybrid mode.

The meeting of the Board of Studies in Mathematics - BS&H department of Gayatri Vidya Parishad College of Engineering for Women is held on 4<sup>th</sup> April 2025 (Friday) from 10:00AM onwards to finalize the syllabi of the 2<sup>nd</sup> year (1<sup>st</sup> and 2<sup>nd</sup> semesters) and 4<sup>th</sup> year (1<sup>st</sup> semester) courses of all B.Tech Programs and 3<sup>rd</sup> semester course of M.Tech programs offered by the Department of Basic Sciences and Humanities (Mathematics) under the regulations R – 24 from the academic year 2024-25 onwards.

### Members Present:

Prof. K L Sai Prasad – Chairperson

### External Members:

1	Prof P A Lakshmi Narayana Professor, Dept of Mathematics IIT – Hyderabad	Subject Expert	offline
2	Prof. K N S Kasi Viswanadham Professor, Dept of Mathematics NIT - Warangal	Subject Expert	offline
3	Prof. Ch. Santhi Sundar Raj Dept of Engineering Mathematics AU College of Engineering (A) Visakhapatnam	Vice Chancellor's Nominee	offline.
4	Dr. A R J Srikanth Director Databrew Technologies Pvt Ltd	Industry Representative	offline
5	Anitha Chiluvuri Senior Member of Technical Staff (SMTS) Oracle	College Alumni	online
6	Mr. Anil Kumar Paluri Assistant Vice President Bank of America	Expert for Special Courses	offline

## Internal Members:

1	Prof. G. Sudheer	Professor, Vice Principal	offline
2	Dr. A. Suseelatha	Assistant Professor	Offline
3	Dr. B. Bharathi	Assistant Professor	offline
4	Dr. A. Kameswara Rao	Assistant Professor	offline
5	Mr. SSVD Prakash Vepa	Assistant Professor	Online
6	Dr. T Poorna Kantha	Assistant Professor	offline
7	Ms. D S S S Ranjani	Assistant Professor	offline

The meeting commenced with the Principal & Chairman, Academic Council, welcoming the members of Board of Studies in Mathematics – BS&H department and requested to frame the syllabus in accordance with the guidelines of NEP-2020 and the industry standards.

Following this, the Principal informed the members about the amendment made to the Academic Rules and Regulations (R-24) for B.Tech Programs in accordance with AICTE recommendations during the Academic Council meeting held on 26.10.2024.

The amendment pertains to the B.Tech Program regulations at GVPCEW(A), effective from the 2024-25 admitted batch. As per Section 17 (A-ii) of the Academic Rules & Regulations (R-24), the previous requirement for earning a B.Tech Degree with a Minor was to complete 12 credits within the 160-credit framework of the B.Tech program. This condition has now been revised, requiring students to earn 12 additional credits beyond the 160-credit requirement.

The Board of Studies (BoS) meeting of the Department of Basic Sciences and Humanities (Mathematics) commenced with a welcome note from the Chairperson, who also outlined the key resolutions made in the earlier BoS meeting held on 3rd August 2024, which finalized the course structure and syllabi of the 1st year. The Chairperson further requested the Board to deliberate on the course structure and syllabi for the 2nd, and 4th years and approve the proposed modifications.

After a detailed and constructive discussion on the revised syllabus for the B.Tech and M.Tech programs under R-24 regulations, the Board collectively agreed to implement the proposed courses across various B.Tech and M.Tech programs.

The Board unanimously resolved the following:

**Item-1 : Approval of the syllabus for the courses offered to II year of B.Tech Program**

**Resolution No: GVPCEW(A)/BOS-2/ BOS/MATHEMATICS-BS&H/2025/1**

It is resolved to recommend to the Academic Council that the following courses offered for B.Tech Program to be effective from 2024 admitted batch onwards for approval.

1. The proposed syllabus for the course titled “Complex Variables and Statistical Methods” offered to the EEE branch in the II year I Semester – Annexure-I.
2. The proposed syllabus for the course titled “Complex and Fourier Analysis” offered to the ECE branch in the II year I Semester – Annexure-II.
3. The proposed syllabus for the course titled “Discrete Mathematical Structures” offered to the CSE, CSE[AI-ML], IT branches in the II year I Semester – Annexure-III.
4. The proposed syllabus for the course titled “Probability and Statistics” offered to the CSE, CSE[AI-ML], IT branches in the II year II Semester – Annexure-IV.

**Item-2: Approval of the syllabus for the course offered under HSS Elective for IV year of B.Tech Program**

**Resolution No: GVPCEW(A)/BOS-2/ BOS/MATHEMATICS-BS&H/2025/2**

It is resolved to recommend to the Academic Council that the following HSS Elective course offered for all B.Tech Programs to be effective from 2024 admitted batch onwards for approval

1. The proposed syllabus for the course titled “Operations Research” offered to ECE, EEE, CSE, CSE [AI-ML], IT branches in the IV year I Semester – Annexure-V

**Item-3 : Approval of the syllabus for the course offered under Open elective course for III semester of M.Tech Program**

**Resolution No: GVPCEW(A)/BOS-2/ BOS/MATHEMATICS-BS&H/2025/3**

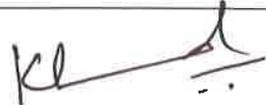
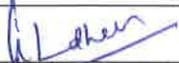
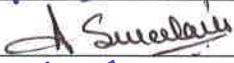
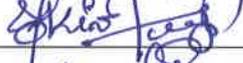
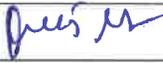
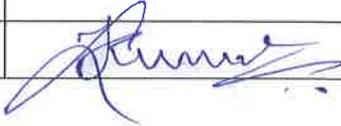
It is resolved to recommend to the Academic Council that the following Elective course offered for M.Tech Program to be effective from 2024 admitted batch onwards for approval.

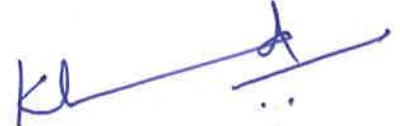
1. The proposed syllabus for the course titled “Optimization Techniques” offered to M.Tech CSE (Data Science) & ECE (VLSI Design and Embedded Systems) Program in the III Semester – Annexure-VI.

The Board Members unanimously authorize the Chairperson to make minor modifications in the title/content of a course if necessary.

The meeting concluded by thanking all the members.

Members Present:

Name of the Member	Designation	Signature
Prof. K L Sai Prasad	Chairperson, BoS and Head, Dept of BSH	
Prof. G. Sudheer	Professor, Vice Principal	
Dr. A. Suseelatha	Assistant Professor	
Dr. B. Bharathi	Assistant Professor	
Dr. A. Kameswara Rao	Assistant Professor	
Mr. SSVD Prakash Vepa	Assistant Professor	
Dr. T Poorna Kantha	Assistant Professor	
Ms. D S S S Ranjani	Assistant Professor	
Prof P A Lakshmi Narayana	Subject Expert	
Prof. K N S Kasi Viswanadham	Subject Expert	
Prof. Ch. Santhi Sundar Raj	Vice Chancellor's Nominee	
Dr. A R J Srikanth	Industry Representative	
Anitha Chiluvuri	College Alumni	-
Mr. Anil Kumar Paluri	Expert for Special Courses	



Chairperson , BoS

HEAD  
DEPARTMENT OF  
BASIC SCIENCES & HUMANITIES  
3VP COLLEGE OF ENGINEERING FOR WOMEN  
ADHURAWADA VISAKHAPATNAM 530 049