



# GAYATRI VIDYA PARISHAD COLLEGE FOR DEGREE AND PG COURSES (A)

Affiliated to Andhra University | Accredited by NAAC with B++ Grade  
(PG-MBA and UG Engineering B.Tech, (CE, CSE, ECE and ME) Programs are Accredited by NBA  
Visakhapatnam - 530 045. Ph : 0891 2953719

E-mail : principalgvpdpgca@gmail.com, Website : www.gvpdpgc.edu.in

S.No.	Name	Signature
1.	Chairperson: Dr. P. A. Nageswara Rao, Professor & Head Department of ECE	
2.	Nominee of the Vice Chancellor: Dr. P. V. Sridevi Professor & Head, Department of ECE, AU College of Engineering (A), Visakhapatnam	 <b>Head of the Department</b> <b>Dept. of Electronics &amp; Commn. Engg.</b> <b>A.U. College of Engg.</b> <b>Andhra University</b> <b>Visakhapatnam-530 009</b>
3.	Nominee of the Academic Council: Prof. M V S Sairam Dean of Academics, Department of ECE GVP College of Engineering (A) Madhurawada, Visakhapatnam	 <b>DEAN, ACADEMICS (UG)</b> <b>Gayatri Vidya Parishad College of Engineering</b> <b>Madhurawada, Visakhapatnam - 530048</b>
4.	Representative from Industry : 1. Sri. M. Bhagavan Prasad Sub Divisional Engineer, BSNL, Visakhapatnam 2. Sri. G. P. K. Kishore (online) Manager, Circuit Design Analogport, Bangalore	 <b>उप मंडल इंजीनियर</b> <b>Sub Divisional Engineer</b> <b>भा. मं. नि. जिल., एनएच रोड</b> <b>B S N L, NAD Kotha Road</b> <b>विशाखपट्टणम / Visakhapatnam-530 009</b>
5.	Alumni: Mullangi Surya Prakash, Systems Er, Candella Tech., Visakhapatnam	 <b>m.s.prakash</b>
6.	Students: 1. Ms. Y. Ranga Sai Sree, IV Year 2. Mr. P. Divya Gayathri, IV Year	 
7.	Members of the Department: 1. Dr. S.Krishna veni Professor 2. Dr. V. Adi Narayana, Associate Professor 3. Dr. Ch. Manohar Kumar, Associate Professor 4. Mr. S. Venkatesh, Assistant Professor 5. Mr. Ram Nishanth V, Assistant Professor 6. Mr. A. Mahesh Babu, Assistant Professor 7. Mrs. G. Sowjanya Lakshmi, Assistant Professor 8. Mrs. P. N. S. Sailaja, Assistant Professor 9. Mrs. A. Aruna, Assistant Professor 10. Mrs. K. Deepthi , Assistant Professor 11. Mr. E. Raju, Assistant, Professor 12. Mrs. V. Sridevi,, Assistant Professor 13. Mrs. M. Tharangini, Assistant Professor	

**SYLLABUS APPROVED & RATIFIED**

**CHAIRPERSON**

**CHAIRMAN**

**B.O.S.**

**PRINCIPAL**

**Vision** : Creating Human Excellence for a Better Society 31.07.2024

**Mission** : Unfold into a world-class organisation with strong academic and research base, producing responsible citizens to cater to the changing needs of the society



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## MINUTES OF THE MEETING OF BOARD OF STUDIES HELD ON 31.07.2024 IN THE DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING OF GAYATRI VIDYA PARISHAD COLLEGE FOR DEGREE AND PG COURSES (AUTONOMOUS).

### Members Present

- | S.No.                               | Name   |
|-------------------------------------|--|
| 1. Chairperson :                    | Dr. P. A. Nageswara Rao,<br>Associate Professor & Head<br>Department of ECE  |
| 2. Nominee of the Vice Chancellor : | Dr. P.V. Sridevi<br>Professor & Head, Department of ECE<br>AU College of Engineering (A)   |
| 3. Nominee of the Academic Council: | Prof. M V S Sairam<br>Dean of Academics, Department of ECE<br>GVP College of Engineering (A)<br>Madhurawada, Visakhapatnam   |
| 4. Representative from Industry :   | 1. Sri. M. Bhaghavan Prasad<br>Sub Divisional Engineer, BSNL, Visakhapatnam<br>2. Sri. G. P. K. Kishore (online)<br>Manager, Circuit Design<br>Analogport, Bangalore   |
| 5. Alumni :                         | Mullangi Surya Prakash,<br>Systems Er, Candella Tech.<br>Visakhapatnam   |
| 6. Students :                       | 1. Ms. Y. Ranga Sai Sree, IV Year<br>2. Mr. P. Divya Gayathri, IV Year   |
| 7. Members of the Department:       | 1. Dr. S.Krishna veni, Professor<br>2. Dr. V. Adi Narayana, Associate Professor<br>3. Dr. Ch. Manohar Kumar, Associate Professor<br>4. Mr. S. Venkatesh, Assistant Professor<br>5. Mr. Ram Nishanth V, Assistant Professor<br>6. Mr. A. Mahesh Babu, Assistant Professor<br>7. Mrs. G. Sowjanya Lakshmi, Assistant Professor<br>8. Mrs. P. N. S. Sailaja, Assistant Professor<br>9. Mrs. A. Aruna, Assistant Professor<br>10. Mrs. K. Deepthi, Assistant Professor<br>11. Mr. E Raju, Assistant Professor<br>12. Mrs. V. Sridevi, Assistant Professor<br>13. Mrs. M. Tharangini, Assistant Professor |

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**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**  
**RUSHIKONDA, VISAKHAPATANAM**  
**(Affiliated to Andhra University || Accredited by NAAC and NBA)**

**RESOLUTIONS:**

1. Resolved to approve Common Scheme of Instruction & Examinations of B.Tech III/IV and IV/IV effective from 2022-23 admitted batches (R-22) subjected to any changes on par with Andhra University, AICTE and APSCHE as finalized in the BOS.
2. Resolved to approve syllabus of B.Tech III/IV and IV/IV effective from 2022-23 admitted batch (R-22) subjected to any changes on par with Andhra University, AICTE and APSCHE as finalized in the BOS.
3. Resolved to recommend, the syllabus of each theory course should consist of only five units corresponding to each Course Outcome (CO) and a minimum of 4 COs for practical courses.
4. It is resolved to confine the total credits of the courses are 160 as per the directions of AICTE and APSCHE.
5. Resolved to continue and incorporate additional courses in B.Tech III/IV and IV/IV to be given as honors and minors in consent with BOS.
6. Recommended to incorporate advanced subjects in Professional Elective Courses (PEC) to expose the students to the latest trends of technology and developments globally.
7. Resolved to include add on course (Artificial Intelligence – Developer) and value added course (Introduction to Machine Learning) as non-credit course.

**Other Resolutions:**

8. Resolved to follow Promotion Rule as per APSCHE:
  - a) A student will be promoted from II year to III year if he fulfills the academic requirement of 40% of credits up to either II year I-Semester or II year II-Semester from all the examinations, whether or not the candidate takes the examinations and secures prescribed minimum attendance in II year II semester. This Credit detention for lateral entry students shall not be considered for promotion to third year engineering.
  - b) A student shall be promoted from III year to IV year if he fulfills the academic requirements of 40% of the credits up to either III year I semester or III year II semester from all the examinations, whether or not the candidate takes the examinations and secures prescribed minimum attendance in III year II semester.

*[Signature]*  
 Sub Divisional Engineer  
 भा. सं. नि. लि., एन ए डी कोठा रोड  
 B S N L, NAD Kotha Road  
 विशाखपट्टणम / Visakhapatnam-530 002

*[Signature]*  
**Head of the Department**  
 Dept. of Electronics & Comm. Engg.  
 A.U. College of Engg.  
 Andhra University  
 Visakhapatnam-530 002

**DEAN, ACADEMICS (UG)**  
 Gayatri Vidya Parishad College of Engineering  
 Madhurawada, Visakhapatnam - 530048

*[Signature]*  
**SYLLABUS APPROVED & RATIFIED**

**CHAIRMAN**

**Vision:** To achieve academic excellence and make significant contribution to the society through quality education and research in the field of Electronics and Communication Engineering.  
**Mission:** To empower the students with quality education (M1), to achieve excellence in research to develop models that meet the needs of the society (M2) and to become team leaders with better communication skills, ethics and social responsibility (M3).





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9. Resolved that the Head of the Department of Electronics and Communication Engineering is authorized to recommend names of eligible subject experts, from various colleges/university having a minimum of 5 years of full time service for consideration and appointment as paper setters/examiners for the courses.
- a) Andhra University college of Engineering.
  - b) JNTUK, University College of Engineering, Kakinada
  - c) GITAM Institute of Technology, Rushikonda
  - d) AITAM (A), Tekkali, Srikakulam
  - e) KL Deemed to be University, Guntur
  - f) Shri Vishnu Engineering College for Women (A), Bhimavaram
  - g) Malla Reddy Engineering College (A), Hyderabad
  - h) Lendi Institute of Engineering and Technology, Vizianagaram
  - i) Raghu Engineering College, Vizianagaram
  - j) M.V.G.R. College of Engineering (A), Vizianagaram
  - k) Vignan's Institute of Information Technology, Duvvada, Vizag
  - l) ANITS, Bheemili.
  - m) Vignan's Institute of Engineering for Women, Vizag.
  - n) JNTUV, University College of Engineering, Vizianagaram.
10. The list of Examiners/Paper setters will be scrutinized and finalized by the Chairman - BOS on need based priority.

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**CHAIRMAN**  
**B.O.S.**

**Head of the Department**  
**Dept. of Electronics & Comm. Engg.**  
**A.U. College of Engg.**  
**Andhra University**  
**Visakhapatnam-530 003**

**उप मंडल इंजीनियर**  
**Sub Divisional Engineer**  
**भा. सं. नि. लि., एनएडी कोठा रोड**  
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**Suggestions given by BOS members:**

**Dr. P. V. Sridevi. Professor & Head, Department of ECE, AUCE (A), Visakhapatnam.**

**1. Change of Microprocessor Subject Name**

**Resolution No.1:** It is resolved to change the subject name of the course: microprocessor as microprocessor and its applications for the minors being offered in 6<sup>th</sup> Semester in order to fulfill the application of processor in real time.

**Re organizing of Computer Network and Engineering, Information Theory and Coding and Satellite Communication in professional Electives**

**Resolution No. 2:** It is resolved that the following subjects are reorganized : Computer Network and Engineering in Professional Elective- I (V Semester), Information Theory and Coding in Professional Elective – II (VI Semester) and Satellite Communication in professional Electives IV (VII Semester) respectively

**Dr. M. V. S. Sairam, Professor, Dean Academic affairs, GVPCE (A), Kommadi.**

**2. MOOCS/Online Courses**

**Revision No.3:** It is resolved that adequate choice of courses to be given for MOOCS/Online courses related to Honors and Minors.

**Sri. M. Bhagavan Prasad, Sub Divisional Engineer, BSNL, Visakhapatnam**

- 3. Recommended to include Fiber optics lab in skill oriented course to fetch a job in the field of Optical Fiber for the benefit of the Slow Learner students.**

**Other Suggestions:**

- (i) Dr. P. V. Sridevi and Dr.M. V. S. Sairam suggested to mention 2 textbook names in the text book part and 4 textbook names in the reference part.
- (ii) Dr. P. V. Sridevi and Dr.M. V. S. Sairam suggested that 20% of total credits can be done through MOOCS.
- (iii) Dr. M. V. S. Sairam, suggested that the choice should be given to the students to complete the Community Service Project or internship-I during the summer break in II/IV – II<sup>nd</sup> Semester.
- (iv) Sri G.P.K. Kishore suggested to include VLSI core lab in the curriculum to enhance job opportunities for students in the semiconductor and VLSI Domain.
- (v) It is suggested to include Machine Learning Subject with Electronic applications instead of generic Machine Learning
- (vi) Mr. M. Surya Prakash (Alumni), recommended to have a course that can educate Taxation to students.
- (vii) Ms. Y. Ranga Sai Sree and Mr. P. Divya Gayathri of IV Year students have expressed to permit for availing the internship training for 3 Months.

*(Signature)*  
 उप मंडल इंजीनियर  
 Sub Divisional Engineer  
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 B S N L, NAD Kotha Road  
 विशाखपट्टणम / Visakhapatnam-530 004

*(Signature)*  
 P. V. Sridevi

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