



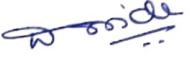







**GAYATRIDIVYAPARISHADCOLLEGEFORDEGREEANDPGCOURSES  
(AUTONOMOUS)**

*Affiliated to Andhra University | Accredited by NAAC and NBA  
VISAKHAPATNAM*

**DEPARTMENT OF ELECTRONICS  
PROGRAM: B.Sc. (H) MAJOR ELECTRONICS**

**BOARD OF STUDIES OF ELECTRONICS HELD ON 09.09.2024**

**ATTENDANCE SHEET**

S. No.	NAMES	SIGNATURES
1. Chairperson:	Dr. D. Sreedevi Head of the Department	
2. Nominee of the Vice-Chancellor	Prof. P. Rajesh Kumar Department of E.C.E AUCE (A) Visakhapatnam	
3. Academic Council's Nominees:	Sri.P.Narasimha Rao Head of the Department Department of Electronics Dr.L.B.College Visakhapatnam.	
4. Representative from the Industry/corporate body	Sri.N.Venkat Reddy Director Teck Team Solution Visakhapatnam.	
5. Meritorious Alumni:	Ms.J. Sravani Research Scholar GITAM University	
6. Members of the Staff:	1. Sri. K.Nataraju 2. Smt. A.Subashini 3. Sri. M.Tirumala Rao 4. Smt.S.Swaroop Rani	   

**SYLLABUS APPROVED & RATIFIED**

  
**CHAIRMAN  
B.O.S.**



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PROCEEDINGS OF MEETING OF BOARD OF STUDIES IN ELECTRONICS  
HELD ON 09.09.24 IN THE DEPARTMENT OF ELECTRONICS OF GAYATRI VIDYA  
PARISHAD COLLEGE FOR DEGREE AND P.G.COURSES (A)

Members Present

**Chair Person**

Dr. D. Sreedevi

Head of the Department

Gayatri Vidya Parishad College for Degree and P.G. Courses (A)

Visakhapatnam

Vice Chancellor's Nominee

Prof. P.Rajesh Kumar

Department of Electronics & Communication Engineering

AUCE (A)

Visakhapatnam

**Academic Council's Nominees**

Sri.P.Narasimha Rao

Head of the Department

Department of Electronics

Dr.L.B.College

Visakhapatnam.

**Representative from the Industry/corporate body**

Sri.N.Venkat Reddy

Director

Teck Team Solution

Visakhapatnam.

**5. Meritorious Alumnus:**

Ms.J. Sravani

Research Scholar

GITAM University

**6. Members of the Staff**

1. Sri. K.Nataraju

2. Smt. A.Subashini

3. Sri. M.Tirumala Rao

4. Smt.S.Swaroop Rani

**Syllabus Approved & Ratified**

**CHAIRMAN  
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**AGENDA:**

1. Approval of revised CBCS structure and syllabus of U.G. (Honours) Electronics Program for Semester III and IV for the academic year 2024-2025 or for the admitted batch of 2023-24 with needed modifications.
2. Approval of multidisciplinary course and skill enhancement courses for the academic year 2024-25
3. Approval of proposed value added programs for the academic year 2024-25.
4. Approval of existing CBCS structure and syllabus of U.G. (Honours) Electronics Program for Semester II for the academic year 2024-2025 also.
5. Approval of existing syllabus of U.G. (Honours) Program with Electronics and IoT as minors for the academic year 2024-2025 also.
6. Approval of existing syllabi of Skill enhancement and multi disciplinary courses introduced in semester-I and Semester-II during the academic year 2023-2024, for the admitted batch of 2024-25 also.
7. Approval of existing revised CBCS syllabus for the academic year 2024-2025 for Semester V and VI for the admitted batch of 2022-23.
8. Approval of existing evaluation system for mid, semester end and practical examinations for 2024-25 admitted batches also.
9. Approval of the list of paper setters and examiners having minimum of three years experience in teaching Electronics in other institutions.
10. Any other item with the approval of the chair.

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### MINUTES AND RESOLUTIONS OF THE MEETING

The Chairman, Board of Studies in Electronics welcomed the members and initiated the discussion on the points mentioned in agenda.

#### DISCUSSION POINT: 1

Approval of revised CBCS structure and syllabus of U.G. (Honours) Electronics Program for Semester III and IV for the academic year 2024-2025 or for the admitted batch of 2023-24 with needed modifications.

#### MINUTES:1

Prof. P.Rajesh Kumar garu, University Nominee of the board, expressed his opinion that the syllabus given in Semiconductor Devices and Materials is much related to VLSI concepts and felt that it is too early to offer in Sem-3 without any prior knowledge on Semiconductors.

#### MINUTES:2

Prof.P. Rajesh Kumar garu, University Nominee of the board, raised a question regarding offering both Microprocessor and Microcontroller during the same fourth semester and suggested to do the needed changes.

#### RESOLUTION: 1

Resolved to follow the same course structure adopted during the academic year 2023-24 for the academic year 2024-25 also for the semesters I, II,III and IV for U.G. (Honours) Electronics Program.

#### RESOLUTION:2

Approved to change the name and syllabi of Course-5

**Course 5 given by APSCHE: Semiconductor Devices and Materials**

**Course 5 approved by BOS: Semiconductor Devices**

#### RESOLUTION: 3

Resolved to offer Microprocessors in Sem-3 and Electronic Communication systems in Sem-4 for the convenience of the students.

#### RESOLUTION: 4

Resolved to approve the following new proposed papers for B.Sc.(Major) Electronics for semesters III and IV w.e.f the academic year 2024-25. The titles of the new papers are

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SEMESTER	COURSE	TITLE OF THE COURSE
III	5	SEMICONDUCTOR DEVICES
III	6	DIGITAL ELECTRONICS
III	7	ANALOG ELECTRONICS
III	8	MICROPROCESSOR SYSTEMS
IV	9	ELECTRICAL AND ELECTRONICS INSTRUMENTATION
IV	10	MICROCONTROL SYSTEM
IV	11	ELECTRONIC COMMUNICATION SYSTEM

**DISCUSSION POINT: 2**

Approval of Multi-Disciplinary (MD) course and Skill Enhancement Courses (SEC) for the academic year 2024-25.

**RESOLUTION: 5**

Resolved to offer a **NEW Skill Enhancement Course-1** titled **“DIGITAL LITERACY”** to all the students of B.Sc.(Honours) during **SEM-1** from the academic year 2024-25.

**RESOLUTION: 6**

Resolved to offer a **NEW Multi Disciplinary Course** titled **“BASIC ELECTRONICS”** during **SEM-3** from the academic year 2024-25 to the students of who have not studied Physics as a subject in 12<sup>th</sup> standard.

**DISCUSSION POINT: 3**

Approval of proposed Value Added and Add-On courses other than curriculum for the academic year 2024-25.

**MINUTES:3**

Sri.N.Venkata Reddy,CEO of Tecky Boat and Industry Nominee of the board suggested to introduce any course on AI as it has become very essential to learn the tools of AI for the students.

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**RESOLUTION: 7**

Resolved to continue the value added course offered on PCB Designing and Computer Hardware and maintenance for the academic year 2024-25 also for all the interested students, of all programs, of all semesters.

**RESOLUTION: 8**

Resolved to offer the **NEW VALUE ADDED COURSE ON "FUNDAMENTALS OF ARTIFICIAL INTELLIGENCE"** from the academic year 2024-25, for all the interested students of all programs of all semesters.

**RESOLUTION: 9**

Resolved to offer **NEW ADD-ON-COURSE ON "ARDUINO PROGRAMMING"** to B.Sc., Major (Electronics) students of all semesters from the academic year 2024-25.

**DISCUSSION POINT: 4**

Approval of existing CBCS structure and syllabus of Major courses for U.G. (Honours) Electronics Program for Semester I, II for the academic year 2024-2025 .

**RESOLUTION: 10**

Resolved to continue the same syllabus of Major Courses

Course:1 "Essentials and applications of Mathematical, Physical and Chemical Sciences"

Course:2 "Advances in Mathematical, Physical and Chemical Sciences"

approved by common board of studies for Sem-I for the admitted batch of 2024-25 for U.G. (Honours) Electronics Program.

**RESOLUTION: 11**

Resolved to continue the same syllabus of Major Courses

Course-3 "Fundamentals of Electrical and Electronics"

Course-4 "Circuit theory and Network Analysis"

approved by common board of studies for Semester-II for the admitted batch of 2024-25 for U.G. (Honours) Electronics Program.

**DISCUSSION POINT: 5**

Approval of existing syllabus of U.G. (Honours) Program with Electronics and IoT as minors for the academic year 2024-2025 also.

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**RESOLUTION: 12**

Resolved to continue Electronics and Internet of things (IoT) as minor programs offered by the Department of Electronics, for the students of any major other than Electronics from semester-2 for the admitted batch of 2024-25.

**RESOLUTION: 13**

Resolved to continue the same structure approved in 2023-24, for minor courses to be introduced from Semester –II for the academic Year 2024-25 also.

**RESOLUTION: 14**

Resolved to approve the syllabus of new courses offered during Sem-3 and Sem-4 for Minor Electronics and IoT programs for the admitted batch of 2023-24, from the academic Year 2024-25.

**RESOLUTION: 15**

Resolved to approve the following new papers for B.Sc.(Minor) IoT for semesters III and IV w.e.f the academic year 2024-25. The titles of the new papers are

SEMESTER	COURSE	TITLE OF THE COURSE
III	2	MICROCONTROLLERS
IV	3	COMMUNICATION SYSTEMS AND PROTOCOLS
IV	4	FUNDAMENTALS OF IoT

**DISCUSSION POINT: 6**

Approval of existing revised CBCS syllabus for the academic year 2024-2025 for Semester V and VI for the admitted batch of 2022-23.

**RESOLUTION: 16**

Resolved to approve the existing structure and syllabi of Electronics for semesters V and VI for the admitted batch of 2022-23 for the academic year 2024-25 also.

**DISCUSSION POINT: 7**

Approval of existing evaluation system for mid, semester end and practical examinations for 2024-25 admitted batches also.

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**RESOLUTION: 17**

Resolved to continue the approved pattern of examination for Semesters I, II, III and IV with 40 % internal evaluation and 60% external evaluation for the academic year 2024-25 also.

**RESOLUTION: 18**

Resolved to continue the approved pattern of practical examination for Semesters I, II, III and IV with 25 Marks internal evaluation and 25 Marks external evaluation for the academic year 2024-25 also.

**RESOLUTION: 19**

Resolved to continue the approved pattern of examination for skill enhancement and multidisciplinary courses with 50 marks external evaluation for the academic year 2024-25 also.

**RESOLUTION: 20**

Resolved to continue the approved pattern of examination for both theory and practical courses for Semesters V and VI, for the students of admitted batch of 2022-23, for the academic year 2024-25 also.

**DISCUSSION POINT: 8**

Approval of the list of paper setters and examiners having minimum of three years experience in teaching Electronics in other institutions.

**RESOLUTION: 21**

Resolved to authorize the H.O.D., Department of Electronics to recommend names of eligible teachers, having a minimum of 3 years of full time service in handling degree classes, from the teaching staff members of the following colleges for consideration and appointment as paper setters/ examiners for various examinations of this college, if necessary in consultation with the Controller of Examinations.

1. Mrs. A.V.N. College, Visakhapatnam.
2. D.N.R. College, Bhimavaram.
3. Y.N. College, Narasapuram
4. Dr. L. B. College, Visakhapatnam.
5. T.S.R. & T.B.K. College, Visakhapatnam.

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6. Adarsh Degree College, Visakhapatnam.
7. Sir. C.R. Reddy College, Eluru.
8. D.V.N. Degree College, Anakapalli.
9. Dr.Hima shekar college, Anakapalli
10. Pydah Degree College, Visakhapatnam.
11. Prism Degree College, Visakhapatnam.
12. Mahati Degree College, Visakhapatnam.
13. Adithya Degree College, Kakinada, Visakhapatnam.
14. Gayatri Degree College, Srikakulam.
15. Sripada Degree College, Visakhapatnam.

**Dr. P. RAJESH KUMAR**  
M.E., Ph.D  
Professor  
Dept. of Electronics & Communication Engg  
A.U. College of Engineering (A)  
Andhra University  
VISAKHAPATNAM - 530 003

*N. Venkatareddy.*



HEAD OF THE DEPARTMENT  
**DEPARTMENT OF ELECTRONICS**  
**DR. P. D. COLLEGE**  
**VISAKHAPATNAM**

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

*Keerthi*  
Dean, Academic Affairs  
Gayatri Vidya Parishad College  
for Degree and PG Courses(A)

**PRINCIPAL**  
**Gayatri Vidya Parishad College**  
**for Degree and PG Courses (A)**  
**Visakhapatnam**