PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH-44, PACHAL, NAMAKKAL-637018.

MINUTES OF THE 13th ACADEMIC COUNCIL MEETING

Minutes of the 13th Academic Council Meeting held on **25.01.2025** at 11.00 A.M. in Cute Hall of Main Block, Paavai Engineering College (Autonomous), Namakkal under the Chairmanship of Dr. M.Premkumar, Principal.

The following are the Academic Council members:

Dr. M.PREMKUMAR	Principal, Paavai Engineering College	
Director		
Dr. K.K.RAMASAMY	Director- Administration, Paavai Institutions	
Dean		
Dr. I. RAJENDRAN	Dean – Research and Innovation	Absent
Heads of the Departments		
Dr. K. SUNDARA MURTHY	IQAC – Coordinator and Professor – Mech.	
Dr. R.ARRAVIND	Professor & HoD/Aero	
Dr. T.ARUN KUMAR	Professor & HoD/BME & ME	
Prof. K.SHARMILADEVI	Associate Professor& HoD/Civil	
Dr. D.BANUMATHI	Professor & HoD/CSE	
Dr. P.SRINIVASAN	Professor & HoD/CSE(AI&ML)	
Dr. M.RAMESH KUMAR	Professor & HoD/CSE(IoT)	
Dr. P.MUTHUSAMY	Professor & HoD /Cyber Security	
Dr. R.MOHANA PRIYA	Associate Professor & HoD/ECE	
Dr. G. BALAJI	Professor & HoD/EEE	
Dr. A.P.SIVA SUBRAMANIAM	Professor & HoD/Mech , Safety & Fire	
Dr. D.R.P.RAJARATHNAM	Professor & HoD/MCT	
Dr. V.SUBBURAM	Professor & HoD/R&A	
Dr. B.KAILASHKUMAR	Associate Professor & HoD/Agri.	
Dr. M.RAJA	Professor & HoD/AI&DS	
Dr. C. NIRMALA	Professor & HoD/Biotechnology	
Prof. R.BALASUBRAMANI	Associate Professor & HoD/Chemical	
Dr. S.KAILASH	Professor & HoD/Food	
Dr. B.VENKATESAN	Professor & HoD/IT	
Dr. R.PRAVEEN CUMAR	Professor & HoD/Pharma	
Prof. S.DINAKARAN	Professor & HoD/S&H	
Dr. G.RAJA	Professor & HoD/Chemistry	
Dr. R.SHANTHI	Professor & HoD/English	

Dr. M.SATHISH KUMAR	Professor & HoD/Mathematics	
Dr. T.KRISHNAKUMAR	Professor & HoD / Physics	
Mrs. M. BHARANI ESWARI	Assistant Professor & HoD In Charge /MBA	
Prof. M.SENTHILVELAN	Professor & HoD/MCA	
Mr. R.THAMARAISELVAN	Head, Placement and Training	
Mr. N. SANTHANARAJA	Director of Physical Education	
Four Teachers of the College		
Dr. S.MANIRAJ	Associate Professor, Mechanical	
Dr. C.ARULKUMAR	Associate Professor, EEE	
Dr. G.MADASAMY RAJA	Professor, IT	
Dr. N.GEETHA	Associate Professor, Chemistry	
Experts		
Dr. S.SURESH	Professor Department of Mechanical Engineering, NIT, Trichy	
Mr. A.JAYAKRISHNAN	Senior Director, AI & Analytics, Cognizant, Coimbatore	
Dr. S.SUDHA	Civil Surgeon, Govt. Primary Health Centre, Pudhuchathiram, Namakkal	
Dr. T.RAMPRABHU	Scientist, DRDO, Bengaluru	Online
University Nominees		
Dr. T.BALUSAMY	Professor & Head, Department of Mechanical Engineering, Government College of Engineering, Salem.	Online
Dr. R.THENMOZHI	Professor & Head, Department of Civil Engineering, Government College of Technology, Coimbatore	
Dr. P.RAMADEVI	Associate Professor, Department of Electronics and Communication Engineering, UCE, BIT Campus, Anna University, Tiruchirappalli	
Controller of Examinations		
Dr. B. MURALI BABU	Controller of Examinations	
Member Secretary/ Academic Council		
Dr. K.SELVI	Dean Academics	

The meeting commenced with the welcome address by Dr. M.Raja, Professor and Head of the department of AI&DS.

Following the welcome address, the Member Secretary of Academic Council outlined the Institution's Vision, Mission and highlighted the achievements of Paavai Engineering College. In a nutshell, she presented the various agenda of the meeting.

Dr. M. PREMKUMAR, M.E., Ph.D.,
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THE FOLLOWING AGENDA ITEMS ARE CONSIDERED AND APPROVED BY THE 13th ACADEMIC COUNCIL.

13.01

TO CONFIRM THE MINUTES OF 12th ACADEMIC COUNCIL MEETING HELD ON 8th JUNE 2024.

The minutes of the 12th Academic Council meeting held on 08.06.2024 were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved by the council.

- Minutes of 12th Academic Council
- Action taken report for minutes of 12th Academic Council

13.02 TO CONSIDER AND APPROVE THE INCREASED INTAKE OF DEGREE PROGRAMMES IN THE ACADEMIC YEAR 2024-2025 WITH 19 UG, 7 PG AND 5 Ph.D. PROGRAMMES.

INCREASED INTAKE OF PROGRAMMES

S.No	Name of the Course	Existing Intake 2024-25	Intake applied 2025-26
1	B.E. – Computer Science and Engineering	240	300
2	B.Tech. – Artificial Intelligence & Data Science	120	180
3	B.Tech. – Information Technology	180	240

RESOLVED TO APPROVE the same

13.03 TO CONSIDER AND APPROVE THE ADMISSIONS IN THE ACADEMIC YEAR 2024-2025 FOR UG AND PG DEGREE PROGRAMMES OF PAAVAI ENGINEERING COLLEGE

RESOLVED TO APPROVE the same

13.04 TO CONSIDER AND APPROVE THE MINUTES OF STANDING COMMITTEE MEETING HELD IN THE ACADEMIC YEAR 2024-2025 OF PAAVAI ENGINEERING COLLEGE

RESOLVED TO APPROVE the same

- Readmission ***Annexure A***
- Amendments in Regulations 2023(CBCS) and Curriculum – ***Annexure B***
- BOS Suggestions and Implementation - ***Annexure C***

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BOARD OF STUDIES SUGGESTIONS AND IMPLEMENTATIONS

Based on the stake holders feedback,

- The courses have been selected to enhance the employability/entrepreneurship/skill development and industry needs.
- Syllabus framing for all the courses.

AGENDA FROM DEPARTMENT OF AERONAUTICAL ENGINEERING

Dr. R.Arravind, Chairman, Aeronautical Engineering moved the following items based on the decision of the Board of Studies in Aeronautical Engineering

AERO 13.01 TO CONSIDER AND APPROVE THE CURRICULUM STRUCTURE, 4th SEMESTER SYLLABUS AND VERTICALS 1,2 AND 3 FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the same

AGENDA FROM DEPARTMENT OF BIOMEDICAL ENGINEERING

Dr. T.Arunkumar, Chairman, BioMedical Engineering moved the following items based on the decision of the Board of Studies in Bio Medical Engineering.

BME 13.01 TO CONSIDER AND APPROVE THE CURRICULUM STRUCTURE, 4th SEMESTER SYLLABUS, VERTICALS 1,2 AND 3 FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the same

AGENDA FROM DEPARTMENT OF CIVIL ENGINEERING

Prof. K.Sharmiladevi, Chairman, Civil Engineering moved the following items based on the decision of the Board of Studies in Civil Engineering

CIVIL 13.01 TO CONSIDER AND APPROVE THE CURRICULUM STRUCTURE, 4th SEMESTER SYLLABUS, VERTICALS 1,2 AND 3 FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the same

AGENDA FROM DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Dr. D.Banumathi, Chairman, Computer Science and Engineering moved the following items based on the decision of the Board of Studies in Computer Science and Engineering

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CSE 13.01 TO CONSIDER AND APPROVE THE CURRICULUM STRUCTURE, 4th SEMESTER SYLLABUS, VERTICALS 1,2 AND 3 FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the same

AGENDA FROM DEPARTMENT OF CSE(ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)

Dr.P.Srinivasan, Chairman, CSE (Artificial Intelligence & Machine Learning) moved the following items based on the decision of the Board of Studies in CSE(AI & ML)

AI 13.01 TO CONSIDER AND APPROVE THE CURRICULUM STRUCTURE, 4th SEMESTER SYLLABUS AND VERTICALS 1,2 AND 3 FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023 AND R-2019

RESOLVED TO APPROVE the same

AGENDA FROM DEPARTMENT OF CSE(INTERNET OF THINGS)

Dr. M.Rameshkumar, Chairman, CSE (IoT) moved the following items based on the decision of the Board of Studies in CSE (IoT).

IOT 13.01 TO CONSIDER AND APPROVE THE CURRICULUM STRUCTURE, 4th SEMESTER SYLLABUS AND VERTICALS 1,2 AND 3 FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023 AND R-2019

RESOLVED TO APPROVE the same

AGENDA FROM DEPARTMENT OF CYBER SECURITY

Dr. P.Muthusamy, Chairman, Cyber Security moved the following items based on the decision of the Board of Studies in Cyber Security

CYS 13.01 TO CONSIDER AND APPROVE THE CURRICULUM STRUCTURE, 4th SEMESTER SYLLABUS AND VERTICALS 1,2 AND 3 FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the same

AGENDA FROM DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Dr. R.Mohana Priya, Chairman, Electronics and Communication Engineering moved the following items based on the decision of the Board of Studies in Electronics and Communication Engineering

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EC 13.01 TO CONSIDER AND APPROVE THE CURRICULUM, SYLLABUS, VERTICALS 1,2 AND 3 FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the same

AGENDA FROM DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Dr. G. Balaji, Chairman, Electrical and Electronics Engineering moved the following items based on the decision of the Board of Studies in Electrical and Electronics Engineering.

EE 13.01 TO CONSIDER AND APPROVE THE CURRICULUM STRUCTURE, SYLLABUS, VERTICALS 1,2 AND 3 FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the same

AGENDA FROM DEPARTMENT OF MECHANICAL ENGINEERING & SAFETY AND FIRE ENGINEERING

Dr.A.P.Sivasubramaniam, Chairman, Mechanical Engineering & Safety and Fire Engineering moved the following items based on the decision of the Board of Studies in Mechanical Engineering.

MECH 13.01 TO CONSIDER AND APPROVE THE CURRICULUM STRUCTURE, 4th SEMESTER SYLLABUS AND VERTICALS 1,2 AND 3 FOR UG AND AMENDMENT IN PG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the same

AGENDA FROM DEPARTMENT OF MECHATRONICS ENGINEERING

Dr.D.R.P.Rajarathnam, Chairman, Mechatronics Engineering moved the following items based on the decision of the Board of Studies

MCT 13.01 TO CONSIDER AND APPROVE THE CURRICULUM STRUCTURE, SEMESTER SYLLABUS, VERTICALS 1,2 AND 3 FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the same

AGENDA FROM DEPARTMENT OF ROBOTICS AND AUTOMATION

Dr. V.Subburam, Chairman, Robotics and Automation moved the following items based on the decision of the Board of Studies in Pharmaceutical Technology

R&A 13.01 TO CONSIDER AND APPROVE THE CURRICULUM STRUCTURE, 4th SEMESTER SYLLABUS, VERTICALS 1,2 AND 3 FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the same

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AGENDA FROM DEPARTMENT OF AGRICULTURAL ENGINEERING

Dr. B.Kailashkumar, Chairman, Agricultural Engineering moved the following items based on the decision of the Board of Studies in Agricultural Engineering.

AGRI 13.01 TO CONSIDER AND APPROVE THE CURRICULUM STRUCTURE, 4th SEMESTER SYLLABUS, VERTICALS 1,2 AND 3 FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the same

AGENDA FROM DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Dr. M.Raja, Chairman, Artificial Intelligence and Data Science moved the following items based on the decision of the Board of Studies in Artificial Intelligence and Data Science.

AI&DS 13.01 TO CONSIDER AND APPROVE THE CURRICULUM STRUCTURE, 3rd AND 4th SEMESTER SYLLABUS FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the same

AGENDA FROM DEPARTMENT OF BIOTECHNOLOGY

Dr.C.Nirmala, Chairman, Biotechnology moved the following items based on the decision of the Board of Studies in Biotechnology

BT 13.01 TO CONSIDER AND APPROVE THE CURRICULUM STRUCTURE AND SYLLABUS OF 6th, 7th AND 8th SEMESTER SYLLABUS OF UG DEGREE PROGRAMME OF R2019, ,AMENDMENTS , CURRICULAM , SYLLABUS OF 4th SEMESTER AND PROFESSIONAL ELECTIVES (VERTICAL 1) OF UG PROGRAMME OF R-2023

RESOLVED TO APPROVE the same

AGENDA FROM DEPARTMENT OF CHEMICAL ENGINEERING

Prof. R.Balasubramani, Chairman, Chemical Engineering moved the following items based on the decision of the Board of Studies in Chemical Engineering

CHEMICAL 13.01 TO CONSIDER AND APPROVE THE CURRICULUM STRUCTURE, 3rd & 4th SEMESTER SYLLABUS, VERTICALS 1,2 AND 3 FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the same

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AGENDA FROM DEPARTMENT OF FOOD TECHNOLOGY

Dr. S.Kailash, Chairman, Food Technology moved the following items based on the decision of the Board of Studies in Food Technology

FT 13.01 TO CONSIDER AND APPROVE THE CURRICULUM STRUCTURE, AMENDMENTS, 4th SEMESTER SYLLABUS, VERTICALS 1,2 AND 3 FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the same

AGENDA FROM DEPARTMENT OF INFORMATION TECHNOLOGY

Dr. B.Venkatesan, Chairman, Information Technology moved the following items based on the decision of the Board of Studies in Information Technology

IT 13.01 TO CONSIDER AND APPROVE THE CURRICULUM STRUCTURE, 4th SEMESTER SYLLABUS AND VERTICALS 1,2 AND 3 FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the same

AGENDA FROM DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY

Dr.C.Praveen Cumar, Chairman, Pharmaceutical Technology moved the following items based on the decision of the Board of Studies in Pharmaceutical Technology

PHAR 13.01 TO CONSIDER AND APPROVE THE CURRICULUM STRUCTURE, 4th SEMESTER SYLLABUS, VERTICALS 1,2 AND 3 FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the same

AGENDA FROM DEPARTMENT OF SCIENCE AND HUMANITIES

AGENDA FROM DEPARTMENT OF MATHEMATICS

Dr. M.Sathish Kumar, Chairman, Mathematics moved the following items based on the decision of the Board of Studies in the department of Mathematics

MAT 13.01 TO CONSIDER AND APPROVE THE SYLLABUS UNDER R-2023 FOR UG DEGREE PROGRAMME

RESOLVED TO APPROVE the same

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AGENDA FROM DEPARTMENT OF PHYSICS

Dr. T.Krishnakumar, Chairman, Physics moved the following items based on the decision of the Board of Studies in the department of Physics.

PHY 13.01 TO CONSIDER AND APPROVE THE CURRICULUM STRUCTURE, SYLLABUS AND AMENDMENTS FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the same

AGENDA FROM DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

Mrs. M. Bharani Eswari, Chairman, Master of Business Administration moved the following items based on the decision of the Board of Studies in Master of Business Administration

MBA 13.01 TO CONSIDER AND APPROVE THE CURRICULUM STRUCTURE AND SYLLABUS OF 2nd AND 4th SEMESTER FOR PG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the same

AGENDA FROM DEPARTMENT OF MASTER OF COMPUTER APPLICATION

Prof.M.Senthilvelan, Chairman, Master of Computer Application moved the following items based on the decision of the Board of Studies in Master of Computer Application

MCA 13.01 TO CONSIDER AND APPROVE THE CURRICULUM STRUCTURE AND 2nd SEMESTER SYLLABUS FOR PG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the same

AGENDA

13.05 TO REPORT THE ACADEMIC RESULTS, LIST OF FAST TRACK STUDENTS AND INDUSTRY INITIATIVES OF PAAVAI ENGINEERING COLLEGE IN THE ACADEMIC YEAR 2024-2025.

The Academic Results, List of Fast Track Students and Industry Initiatives of Paavai Engineering College in the Academic Year 2024-2025 were reported and recorded.

13.06 TO CONSIDER AND APPROVE THE FACULTY RECRUITMENT, RESEARCH & DEVELOPMENT AND PLACEMENTS OF PAAVAI ENGINEERING COLLEGE IN THE ACADEMIC YEAR 2024-2025.

RESOLVED TO APPROVE the same

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13.07 TO CONSIDER AND APPROVE THE EXTRA-CURRICULAR ACTIVITIES OF PAAVAI ENGINEERING COLLEGE IN THE ACADEMIC YEAR 2024-2025.

RESOLVED TO APPROVE the same

ANY OTHER ITEMS, WITH THE PERMISSION OF THE CHAIRMAN OF THE ACADEMIC COUNCIL

Points suggested by the Academic Council Members

- Increase the number of open elective courses and upto eight theory courses may be permitted per semester.
- Six to eight weeks Internship/Industrial Training may be given three credits.
- Industrial evaluators may be included in the panel of external examiners for UG and PG projects.
- Details of results, revaluation dates to be included in Academic Calendar.
- Engineering Projects in Community Service (EPICS) can be given for project works.
- To encourage interdisciplinary Ph.D. enrolment in emerging technologies like Quantum Communication and AI etc.,
- Toastmasters Community Club can be started to improve the public speaking and communication skills for students.
- New Programmes like Electrical and Computer Science, Electronics and VLSI can be offered.
- Publication in journals for PG Project Phase II may be insisted.
- Sustainable Development Goals (SDG) club to be initiated.
- Projects should be linked to any two of the SDG goal in annexure in all the Project Books.

CHAIRMAN

ACADEMIC COUNCIL

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List of Members approved the 13th Academic Council Meeting Minutes

The 13th academic council meeting was held on 25.01.2025 by Saturday by 11.00 am at Cute Hall, Paavai Engineering College. The following members have approved the minutes.

Dr. M.PREMKUMAR	Principal, Paavai Engineering College	
Director		
Dr. K.K.RAMASAMY	Director- Administration, Paavai Institutions	
Dean		
Dr. I. RAJENDRAN	Dean – Research and Innovation	Absent
Heads of the Departments		
Dr. K. SUNDARA MURTHY	IQAC – Coordinator and Professor – Mech.	
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Dr. D.BANUMATHI	Professor & HoD/CSE	
Dr. P.SRINIVASAN	Professor & HoD/CSE(AI&ML)	
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Dr. R.PRAVEEN CUMAR	Professor & HoD/Pharma	
Prof. S.DINAKARAN	Professor & HoD/S&H	
Dr. G.RAJA	Professor & HoD/Chemistry	
Dr. R.SHANTHI	Professor & HoD/English	
Dr. M.SATHISH KUMAR	Professor & HoD/Mathematics	
Dr. T.KRISHNAKUMAR	Professor & HoD / Physics	

Mrs. M. BHARANI ESWARI	Assistant Professor & HoD In Charge /MBA	
Prof. M.SENTHILVELAN	Professor & HoD/MCA	
Mr. R.THAMARAISELVAN	Head, Placement and Training	
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Dr. S.MANIRAJ	Associate Professor, Mechanical	
Dr. C.ARULKUMAR	Associate Professor, EEE	
Dr. G.MADASAMY RAJA	Professor, IT	
Dr. N.GEETHA	Associate Professor, Chemistry	
Experts		
Dr. S.SURESH	Professor Department of Mechanical Engineering, NIT, Trichy	
Mr. A.JAYAKRISHNAN	Senior Director, AI & Analytics, Cognizant, Coimbatore	
Dr. S.SUDHA	Civil Surgeon, Govt. Primary Health Centre, Pudhuchathiram, Namakkal	
Dr. T.RAMPRABHU	Scientist, DRDO, Bengaluru	Online
University Nominees		
Dr. T.BALUSAMY	Professor & Head, Department of Mechanical Engineering, Government College of Engineering, Salem.	Online
Dr. R.THENMOZHI	Professor & Head, Department of Civil Engineering, Government College of Technology, Coimbatore	
Dr. P.RAMADEVI	Associate Professor, Department of Electronics and Communication Engineering, UCE, BIT Campus, Anna University, Tiruchirappalli	
Controller of Examinations		
Dr. B. MURALI BABU	Controller of Examinations	
Member Secretary/ Academic Council		
Dr. K.SELVI	Dean Academics	

CHAIRMAN

ACADEMIC COUNCIL

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PAAVAI ENGINEERING COLLEGE
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ACADEMIC YEAR 2024-2025
13TH ACADEMIC COUNCIL MEETING
READMISSION DETAILS
ANNEXURE A
EVEN SEMESTER

S. No.	Name of the Student & Register No.	Semester &Year of Break of Study	Semester / Year of Readmission sought	Addition/ Exemption of Courses
B.E. Biomedical Engineering				
1.	M.Kavaiyarasan (622122109501)	VI Sem & 2023-2024	VI Sem & 2024-2025	NIL
2.	M.Santhosh (622122109502)	VI Sem & 2023-2024	VI Sem & 2024-2025	NIL
3.	E.Sakthivel (622122109503)	VI Sem & 2023-2024	VI Sem & 2024-2025	NIL
B.E. Computer Science and Engineering				
4.	M.Vignesh (622122104173)	IV Sem & 2023-2024	IV Sem & 2024-2025	Addition: MA23202 Differential Equations and Numerical Techniques – IV sem CS23201 Problem Solving and Python Programming – IV sem CS23202 Problem Solving and Python Programming Laboratory – IV sem CS23303 Object oriented Programming – V sem CS23305 Object oriented Programming Laboratory – V sem GE23301 Professional Development I – V sem MC23302 Human Values and Gender Equality - VI sem CH23201 Applied Chemistry – VI sem EC23306 Digital Principles and System Design – VII sem CS23301 Computer Architecture – VII sem
5.	R.Raj Bharath	IV Sem & 2023-2024	IV Sem & 2024-2025	MA23202 Differential Equations and Numerical Techniques – IV sem CS23201 Problem Solving and Python Programming – IV sem CS23202 Problem Solving and Python Programming Laboratory – IV sem CS23303 Object oriented Programming – V sem CS23305 Object oriented Programming Laboratory – V sem GE23301 Professional Development I – V sem MC23302 Human Values and Gender Equality - VI sem CH23201 Applied Chemistry – VI sem

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				EC23306 Digital Principles and System Design – VII sem CS23301 Computer Architecture – VII sem
6.	Dabbara Ganesh (622121104302)	VI Sem & 2023-2024	VI Sem & 2024-2025	NIL
B.E. Cyber Security				
7.	A.Subramaniyan (20111012)	II Sem & 2023-2024	II Sem & 2024-2025	NIL
B.E. Electrical and Electronics Engineering				
8.	T.Yuvanesh (622122106058)	IV Sem & 2023-2024	IV Sem & 2024-2025	Addition: MC23402 Human Values and Gender Equality - IV sem GE23301 Professional Development I – V sem CH23201 Applied Chemistry – VI sem
B.E. Mechanical Engineering				
9.	P.Ajay (20107005)	VI Sem & 2022-2023	VI Sem & 2024-2025	NIL
B. Tech. Agricultural Engineering				
10.	P.Tamilvasuki (20102114)	VIII Sem & 2023-2024	VII Sem & 2024-2025	NIL
B. Tech. Chemical Engineering				
11.	R.Harish (622122201008)	IV Sem & 2023-2024	IV Sem & 2024-2025	Addition: CH23103 Chemistry for technologists – V sem CM23202 Environmental Analysis Laboratory – IV sem CM23303 Thermal Engineering – V sem GE23301 Professional Development I – V sem
B. Tech. Information Technology				
12.	S.Hariprasath (622122202035)	IV Sem & 2023-2024	IV Sem & 2024-2025	Addition: CH23101 Applied Chemistry – IV sem CS23201 Problem Solving and Python Programming – IV sem CS23202 Problem Solving and Python Programming Laboratory – IV sem MA23202 Differential Equations and Numerical Techniques – V sem IT23303 Object oriented Programming – V sem IT23305 Object oriented Programming Laboratory – V sem GE23301 Professional Development I – V sem MA23303 Discrete Mathematics – VI sem
13.	S.A.Harsitha	VI Sem & 2023-2024	VI Sem & 2024-2025	NIL

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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

ACADEMIC YEAR 2024-2025

13th ACADEMIC COUNCIL MEETING

ANNEXURE B

AMENDMENTS IN REGULATIONS

UG Regulations 2023(CBCS)

S.NO	CLAUSE	CONTENT
1	5.6 5.6.1	**EXISTING** **ONLINE COURSES** The students may be permitted to undergo a maximum of three online courses from SWAYAM/NPTEL (which are provided with certificate after examination) of each 3 credits weightage between **fifth and seventh** semester of their period of study. Such online courses shall be undergone for a minimum of 12 weeks duration and listed in the curriculum as professional electives. The respective Board of Studies shall approve such online courses for exemption from studying the professional elective courses
	5.6.1	**PROPOSED** The students may be permitted to undergo a maximum of three online courses from SWAYAM/NPTEL (which are provided with certificate after examination) of each 3 credits weightage between **fourth and seventh** semester of their period of study, provided the student has fulfilled the necessary pre-requisites of the course undergone. Such online courses shall be undergone for a minimum of 12 weeks duration and listed in the curriculum as professional electives. The respective Board of Studies shall approve such online courses for exemption from studying the professional elective courses

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2.	5.10	**EXISTING** **VALUE ADDED COURSES** The value added courses are optional. It is offered from the first semester onwards. A student can opt for **maximum of three courses** (maximum of 3 credits). Those courses offered should not be a course listed in the curriculum of the programme and shall be over and above the topics covered in the curriculum. The credits earned through the Value Added Courses shall be over and above the total credit requirement prescribed in the curriculum for the award of the degree. **COURSE STRUCTURE** The courses with one/two/ three credits shall be offered by a Department with the prior approval from Dean Academics of the college.
	5.10	**PROPOSED** **VALUE ADDED COURSES** The value added courses are optional. It is offered from the first semester onwards. A student can opt for **maximum of six courses, each course of 1 or 2 or 3 credits (maximum of 6 credits).** Those courses offered should not be a course listed in the curriculum of the programme and shall be over and above the topics covered in the curriculum. The credits earned through the Value Added Courses shall be over and above the total credit requirement prescribed in the curriculum for the award of the degree. **COURSE STRUCTURE** The courses with one/two/ three credits shall be offered by a Department with the prior approval from Dean Academics of the college.

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<td>3.</td>
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<td>Mini project/Project Work / Project Work (Phase I)/(Phase II)

EXISTING – External End Semester Examination marks (40 marks)
<table>
<tr><th colspan="6">End Semester Examinations</th></tr>
<tr><th colspan="3">Report Evaluation (60)</th><th colspan="2">Viva-Voce (40)</th><th rowspan="2">Total Marks</th></tr>
<tr><th>Rev. Com</th><th>Internal</th><th>External</th><th>Internal</th><th>External</th></tr>
<tr><td>20</td><td>20</td><td>20</td><td>20</td><td>20</td><td>100</td></tr>
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<td>12.8.2</td>
<td>PROPOSED – External End Semester Examination marks (40 marks)
<table>
<tr><th colspan="5">End Semester Examinations</th></tr>
<tr><th colspan="2">Report Evaluation (60)</th><th colspan="2">Viva-Voce (40)</th><th rowspan="2">Total Marks</th></tr>
<tr><th>Internal</th><th>External</th><th>Internal</th><th>External</th></tr>
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PG Regulations 2023(CBCS)

S.NO	CLAUSE	CONTENT

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4.	5.12	**EXISTING** **VALUE ADDED COURSES** The value added courses are optional. It is offered from the first semester onwards. A student can opt for **maximum of three courses** (maximum of 3 credits). Those courses offered should not be a course listed in the curriculum of the programme and shall be over and above the topics covered in the curriculum. The credits earned through the Value Added Courses shall be over and above the total credit requirement prescribed in the curriculum for the award of the degree. **COURSE STRUCTURE** The courses with one/two/ three credits shall be offered by a Department with the prior approval from Dean Academics of the college.
	5.12	**PROPOSED** **VALUE ADDED COURSES** The value added courses are optional. It is offered from the first semester onwards. A student can opt for **maximum of six courses, each course of 1 or 2 or 3 credits (maximum of 6 credits).** Those courses offered should not be a course listed in the curriculum of the programme and shall be over and above the topics covered in the curriculum. The credits earned through the Value Added Courses shall be over and above the total credit requirement prescribed in the curriculum for the award of the degree. **COURSE STRUCTURE** The courses with one/two/ three credits shall be offered by a Department with the prior approval from Dean Academics of the college.

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AMENDMENTS IN CURRICULUM

BIOTECHNOLOGY		
SEM/YR	**EXISTING**	**PROPOSED**
I/II	BT23202 – Bio Organic Chemistry Laboratory	• The total number of experiments has been reduced from 10 to 7.

FOOD TECHNOLOGY		
SEM/YR	**EXISTING**	**PROPOSED**
IV/ II	PT23403 – Post Harvest Engineering	• The subject FT23403 - Post Harvest Engineering has to be replaced by Food Additives in 4th semester has been suggested. • As the Topic Post harvesting and food spoilage has also been studied in the subject Fruits and vegetable processing technology in the upcoming semester.
VII / IV	FT20701 - Food Safety, Quality and regulation	• Replacing the subject FT23701 - Food Safety Regulation by FT20651 – Food supply chain management in the 7th semester and Replacing Food Safety, Quality and regulation instead of Food Additives in the 5th semester.

MECHANICAL ENGINEERING – ENGINEERING DESIGN (PG) – Changes in the Elective Courses		
SEM	**EXISTING**	**PROPOSED**
I/II/III	PED23162 Wearable Technologies	PED23171 Materials Characterization Techniques
	PED23164 Bio Materials	PED23172 Composite Materials and Testing
	PED23167 Bearing Design and Rotor Dynamics	PED23173 Soft Computing

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PAAVAI ENGINEERING COLLEGE

(Autonomous)

ACADEMIC YEAR 2024-2025

13TH ACADEMIC COUNCIL MEETING

BOS SUGGESTIONS AND IMPLEMENTATIONS

ANNEXURE C

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF AERONAUTICAL ENGINEERING

11th BOS SUGGESTION AND IMPLEMENTATION

Academic Year 2024-2025

Sem/Year	Course Code/Title	Suggestion by BOS Members	Status of Implementation
V/III	AE23151– Aircraft Materials	Add Introduction of materials in Unit I.	Implemented
	AE23152- Vibration and Aero elasticity	Suggested to add two textbooks "Theory of Vibration with Applications" byWilliam T Thomson and "Aero elasticity" by Y.C Fung.	Implemented
VI/III	AE23253- Computational Fluid Dynamics	Suggested adding the future of CFD in Industrial applications.	Implemented
	AE23254- Experimental Aerodynamics	Suggested toadd Introduction to temperature in Unit V.	Implemented
VII/IV	AE23353- Computational Fluid Dynamics and Heat Transfer	Suggested to include case study or numerical problems.	Implemented

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BOARD OF STUDIES
Aeronautical Engineering
AUTONOMOUS

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF BIOMEDICAL ENGINEERING
ACTION TAKEN REPORT OF 8TH BOS
BOS SUGGESTIONS AND IMPLEMENTATION
ACADEMIC YEAR 2024-2025

S.No	Semester	Course code & Name	Suggestions	Implementation
1.	V	PE – BM23151-Nanotechnology in medicine	Suggested to include SEM, TEM and confocal microscopy.	Implemented
2.	V	PE- BM23152- Advances in drug delivery	In unit 5, content has to be reframed.	Implemented
3.	V	PE – BM23153 - Biophotonics	Suggested to include medical lasers and tissue interaction.	Implemented
4.	V	PE – BM23154 – Neural Engineering	Suggested to change the title of unit-2. In unit 3 and 5, Case studies has to be included.	Implemented
5.	VI	PE- BM23253- Patient safety, ethics and standards	Suggested to include bioethics, devices and regulations.	Implemented
6.	VI	PE – BM23258 – Biomedical waste management	Suggested to include the topics based on sterilization, crimination, pollution act control act and case studies.	Implemented

The above implementations were effective from the academic year 2024– 2025.

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Biomedical Engineering
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DEPARTMENT OF CIVIL ENGINEERING

11th BoS

Academic Year 2024 - 2025

Suggestions and Implementations

Sem / Year	Course Code / Title	Suggestion by BoS Members	Status of Implementation
B.E – Civil Engineering			
Vertical – I (Structural Engineering)	CE23152- Dynamics and Earthquake Resistant Structures	This course can be separated into two courses and named as structural dynamics and Earthquake Resistant Structures.	Implemented
		Include the IS codal provisions in references.	
	CE23153 - Introduction to Finite Element Method	Course name shall be changed as Finite Element Method instead of Introduction to Finite Element Method.	Implemented
	CE23157 - Advanced Structural Analysis	The course shall be removed from the vertical and instead of that Industrial Structures course can be included.	Implemented
Vertical – II (Construction Materials, Techniques and Management.)	CE23252 – Building Lighting and Ventilation Engineering	The course can be moved to Vertical- VII Modern Structures and Maintenance and replaced by the course Modern Construction Materials.	Implemented
	CE23253 – Lean Construction	Unit V title shall be changed as Lean implementation and include Case Studies.	Implemented
	CE23257 - 3D Printing in Construction	The course shall be moved to Vertical – VII.	Implemented
		The courses Tendering and Contract / Construction Quality Management can be included under this vertical.	
Vertical – III (Geotechnical Engineering)	CE23351 - Geology and Rock Engineering	Geology for Civil Engineers – P.C.Varghese can be included as a text book.	Implemented
	CE23352 - Ground Improvement Techniques	Principles and practice of Ground Improvement by J.Han can be included in Reference books.	Implemented
	CE23353 - Soil Dynamics and Machine Foundations	Can include the text book - Soil Dynamics and Machine Foundations by Swami saran	Implemented

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Civil Engineering
AUTONOMOUS

	CE23354 - Reinforced Earth and Geotextiles	The course title shall be renamed as Geosynthetics and Reinforced Soil Structures.	Implemented
	CE23355 - Deep Foundation & CE23356 - Earth Retaining Structures	Both courses shall be combined and renamed as Advanced Foundation Engineering.	Implemented
	CE23357 - Tunneling Engineering	This course can be replaced by the course Soil Exploration and Investigation.	Implemented

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

11th BOS SUGGESTIONS AND IMPLEMENTATION

UG - REGULATIONS 2023

ACADEMIC YEAR 2024-2025

S.No.	Vertical Name	Course Title	Suggestion By BoS Members	Status of Implementation
1	VERTICAL-I Data Science	Exploratory Data Analysis	The Committee suggested to change the topics in Unit II.	Implemented
2	VERTICAL-I Data Science	Recommender Systems	The committee emphasized updating the textbooks to the latest editions.	Implemented
3	VERTICAL-II Full Stack Development	App Development	Since App Development is analytical, the committee recommended to conduct the course by tutorial and consider it as an integrated course.	Implemented
4	VERTICAL-II Full Stack Development	Principles of Programming Languages	The syllabus was too vast, the committee recommended to divide Unit 5 into two units.	Implemented
5	VERTICAL-III Cloud Computing And Data Center Technologies	Data Analytics	The committee recommended to change the topics in Unit II.	Implemented

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Department of B.E.CSE (Artificial Intelligence and Machine Learning)

4th BOS Suggestions and Implementations

Academic year 2024-2025

Verticals	Title	Suggestion by BoS Members	Status of Implementation
PROFESSIONAL ELECTIVE VERTICALS – I : DATA SCIENCE	Big Data Analytics	Requested to reduce the contents of Unit-2 and to reduce the number of text books.	Yes, Implemented
	Data Visualization	Try to introduce the topic 'Data Manipulation using Panda' in the either Unit-3 or Unit-4.	Yes, Implemented
PROFESSIONAL ELECTIVE VERTICALS – II : NETWORKS AND MACHINE LEARNING	Drones in Agriculture	Suggested to add topics on 'Production and Irrigation' in Unit-3 and add latest reference books.	Yes, Implemented
	IoT for Smart Cities	Requested to add the topic 'Safety for Smart cities' in the Unit-3.	Yes, Implemented
PROFESSIONAL ELECTIVE VERTICALS – III : ARTIFICIAL INTELLIGENCE AND CYBER SECURITY	Ethical Hacking	Being an integrated course, members requested to reduce the lab experiments	Yes, Implemented
	Malware Analysis in Data Science	Suggested to re-structure the Unit-3 contents.	Yes, Implemented

PAAVAI ENGINEERING COLLEGE
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Department of CSE (IOT)

4th BOS - Suggestions and Implementations

Academic Year 2024 -2025

Amendments

Regulations	Sem/Year	Existing	Proposed
NIL			

Suggestions and Implementation

Vertical	Course Code/Title	Suggestion by BOS Members	Status of Implementation
Regulations 2023			
Vertical - II	Mobile App Development for IoT	• Committee suggested to include iOS concept as theory	Implemented
Vertical - II	IoT Platforms and System Design	• Committee suggested to redefine the Unit IV as Python Programming for IOT Devices	Implemented
Vertical - II	DEVoPS	• Committee given the suggestion to update with latest tools in Unit – III	Implemented
Vertical - III	Virtualization	• Committee suggested to change the course title as "Virtualization" to Data Virtualization	Implemented

BoS- Chairman

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BOARD OF STUDIES
BE CSE (IOT)
27/11/24
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PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF CYBER SECURITY

6th BOS SUGGESTIONS AND IMPLEMENTATION

Academic Year 2024-25 Even Semester

Sem / Year	Course Code / Title	Suggestions by BOS Members	Status of Implementation
V / III R2023	CY23156/ Principles of Programming Languages	Modern front end framework and back end framework courses could be added instead of Principles of Programming Languages	Yes, Implemented
V / III R2023	CY23153/ Software Defined Networks	Microservices course could be included instead of software defined networks course.	Yes, Implemented
VI / III R2023	CY23257/ Stream Processing.	If possible, add any one of the courses like Amazon web services, 5G network security, Biometric security and cyber security for E-commerce , Edge computing course could be included instead of stream processing.	Yes, Implemented
VII/ IV 2023	CY23354/Data Cleaning	If possible, add any one of the courses like Quantum computing threats, Mobile Ad hoc network security, data wrangling and preprocessing instead of data cleaning course	Yes, Implemented

27/12/24

BoS - Chairman

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BOARD OF STUDIES
CYBER SECURITY
27/12/24
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PAAVAI ENGINEERING COLLEGE

(Autonomous)

Department of Electronics and Communication Engineering

11th BOS

Academic Year 2024 -2025

Suggestions and Implementation

Sem/Year	Course Code/Title	Suggestion by BOS Members	Status of Implementation
PE Verticals 1,2,3	EC23255 - Multimedia Compression Techniques	• In Unit 3, Specify the Compression Techniques	Yes, Implemented
	EC23351 - Mixed Signal IC Design	• Design structures can be included in the syllabus	Yes, Implemented
	EC23352 - Analog IC Design	• Reframe the Syllabus	Yes, Implemented
	EC23353 - FPGA Based System Design	• Applications and Case Studies can be included	Yes, Implemented
	EC23355 - CAD for VLSI	• Rearrange the contents	Yes, Implemented
	EC23356 - Testing of VLSI circuits	• Rearrange the contents of Unit 1	Yes, Implemented

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APPROVED
BOARD OF STUDIES
Electronics & Communication Engineering
AUTONOMOUS

BoS- Chairman

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
11th BOS SUGGESTIONS AND IMPLEMENTATION
REGULATIONS 2023 (CBCS)
ACADEMIC YEAR 2025-2026

UG – ELECTRICAL AND ELECTRONICS ENGINEERING

VERTICAL	COURSE CODE / COURSE TITLE	SUGGESTIONS	STATUS OF IMPLEMENTATION
Vertical I – Energy and Power Systems Engineering	EE23153 : Power Quality	Include Power Quality by C.Sankaran book as text or reference	Implemented
Vertical II – Converters and Drives	EE23251 : Advanced Semiconductor Devices	Include FinFET effects in Silicon Carbide MOSFET concept.	Implemented
	EE23255: SMPS and UPS	Include EMC and EMI concepts.	Implemented
	EE23257: Power Electronics for Renewable Energy Systems	Include MPPT concepts in Solar and Wind energy systems. Change unit 2 title as wind energy systems.	Implemented
Vertical III – Electric Vehicle Technology	EE23351 : Electric Vehicle Architecture	Include EV safety aspects in unit 1.	Implemented
	EE23352 : Electric Vehicle Motors and Converters	Include PMSM, SRM concepts.	Implemented
	EE23353 : EV Batteries and Charging System	Include wireless power transfer concept.	Implemented
	EE23356 : Intelligent Control of Electric Vehicle	Include case study concepts relating electric vehicle with AI, fuzzy or genetic algorithm.	Implemented

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BOARD OF STUDIES
Electrical & Electronics Engineering
Dr.G.Balaji
Professor / Chairman-EEE
AUTONOMOUS

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

11th BOS SUGGESTIONS AND IMPLEMENTATION

Academic Year 2024-2025

S.No	Sem& Year	Course code / Title	Suggestion By BOS Members	Status of Implementation
1	V& III	ME23153 -Machine Tool Design	In Unit II some modifications are required as per latest trends.	Implemented
2	VI & III	ME23256 - Lean Manufacturing	Include the topic "Value Stream Mapping (VSM) technique" in appropriate unit	Implemented
3	VII & IV	ME23355 - Plant Layout and Materials Handling	Include some latest techniques in appropriate unit	Implemented

PAAVAI ENGINEERING COLLEGE, NAMAKKAL
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BOARD OF STUDIES
Mechanical Engineering
HOD/MECH
AUTONOMOUS

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

11th BOS SUGGESTIONS AND IMPLEMENTATION

Academic Year 2024-2025

S.No	Sem& Year	Course code / Title	Suggestion By BOS Members	Status of Implementation
1	V& III	ME23153 -Machine Tool Design	In Unit II some modifications are required as per latest trends.	Implemented
2	VI & III	ME23256 - Lean Manufacturing	Include the topic "Value Stream Mapping (VSM) technique" in appropriate unit	Implemented
3	VII & IV	ME23355 - Plant Layout and Materials Handling	Include some latest techniques in appropriate unit	Implemented

PAAVAI ENGINEERING COLLEGE, NAMAKKAL
Approved
BOARD OF STUDIES
Safety and Fire Engineering
HOD/MECH
AUTONOMOUS

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(Autonomous)
DEPARTMENT OF MECHATRONICS ENGINEERING
11th BOS
Academic Year 2024 -2025
Suggestions and Implementation

Sem/Year	Course Code/Title	Suggestion by BOS Members	Status of Implementation
Vertical – I (Smart Mobility)	MT23*** - Automotive System Modelling and Simulation	Title of course need to be modified	Implemented
Vertical – II (Manufacturing)	MT23*** - Design for Manufacturing	Title of unit 5 need to be modified	Implemented
	MT23*** - Advanced Manufacturing Technology	Contents of unit 5 need to be changed	Implemented
	MT23*** - Additive Manufacturing Technologies	Cost estimation content need to be included in unit 5	Implemented
	MT23*** - Introduction to Finite Element Analysis	Prescribed hours need to be changed	Implemented
Vertical – III (Robotics)	MT23*** - Fundamental Design of Robot Elements	Prescribed hours need to be changed	Implemented
	MT23*** - Introduction to AI in Robotics	AI related contents need to be increased and Case studies on AI to be included in unit 5	Implemented

BoS - Chairman

PAAVAI ENGINEERING COLLEGE, NAMAKKAL
Approved
BOARD OF STUDIES
Mechatronics
28/12/2024
AUTONOMOUS

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

DEPARTMENT OF ROBOTICS AND AUTOMATION

4th BOS Meeting - SUGGESTIONS AND IMPLEMENTATION

Academic Year 2024 – 2025

Sl.No	Sem & Year	Course code/Title	Suggestion by BOS members	Status of Implementation
1	V / III	RA23151/ Drone Technologies	Text and Reference books should be latest editions	Implemented
2	V / III	RA23153 / Agricultural Robotics and Automation	In Unit – V, latest developments in the automation of agricultural field can be included	Implemented
3	VI / III	RA23254/ Computer Integrated Manufacturing	The syllabus contents of Units II, III & IV should be reduced	Implemented
4	VI / III	RA23255 / Advanced Manufacturing System	The title of the course should be changed appropriately	Implemented
5	VII / III	RA23355/ Vehicle Dynamics and Control	In all the Units, syllabus contents should be reduced appropriately	Implemented
6	General suggestions		• Formats should be checked for uniformity • All the Text and Reference books should be of updated versions	Implemented

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BOARD OF STUDIES
Robotics and Automation
AUTONOMOUS

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

DEPARTMENT OF AGRICULTURAL ENGINEERING

11th BOS SUGGESTIONS AND IMPLEMENTATION

ACADEMIC YEAR 2024-2025

Semester/Year	Course code/ Title	Suggestions by BoS members	Implementation
Verticals-I / Food Process Engineering	AI23154- Food and Dairy Process Engineering	To remove the repetition of syllabus contents in Food and Dairy Process Engineering.	Implemented
Verticals-II/ Irrigation and Water Technology	AI23255- Integrated Water Resources And Participatory Management	The Role of Stake Holder can be introduced in the syllabus.	Implemented
Verticals III/ Farm Machinery	AI23356- Testing And Evaluation Of Farm Machinery And Equipment	To include the topic "Safety Testing Of Agricultural Machinery" in the Unit –V to understand the safety standards and protocols in handling of heavy equipment's.	Implemented
Verticals III/ Farm Machinery	AI23354- Special Farm Machinery And Equipment	To include modern tree climbing devices, tractor operated hoist in Unit V to enrich the harvesting machinery.	Implemented
VERTICALS	-	To frame the syllabus according to sustainable goal development and incorporate	Implemented
VERTICALS	-	Verticals must be framed such that it must possess practical knowledge for students.	Implemented

PAAVAI ENGINEERING COLLEGE Approved BOARD OF STUDIES Agriculture Engineering AUTONOMOUS

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Pachal, Namakkal -637018

Department of Artificial Intelligence and Data Science

III - BOS MEETING

Academic Year 2023 -2024

Suggestions and Implementation

Sem/ Year	Course Code/Title	Suggestion by BOS Members	Status of Implementation
IV/II	AD23403	To Remove the repeated contents of the syllabus of Database Management Systems- IV Semester	Implemented
IV/II	MA23405	Redefine Credit Points for the core paper Probability and Statistics with R Programming in IV Semester as Integrated Subject with theory and Practical	Implemented
	Vertical – I (AI Engineering)	Ensure that the syllabus of Explainable AI should be reduced. Remove the term "Introduction" in subject name of Machine Learning.	Implemented
	Vertical – II (Full Stack Development)	The members suggested to include Front end & Back end related concepts as theory paper under the Full Stack Development.	Implemented
	Vertical - III – (Cloud and Data Center Technologies)	Redefine the Subjects under the Vertical III of Cloud and Data Center Technologies.	Implemented
	Vertical - V – (Data Science)	AI in E-Commerce can be introduced instead of E-Commerce. R Programming can be removed since it's there in the Core subject	Implemented
	Vertical - VI – (Emerging Technologies)	Cyber Security can be replaced with AI for Cyber Security Large Language Models subject can be introduced in this vertical	Implemented

	Vertical - VII – (Machine Learning)	Deep Learning subject can be changed to Deep Reinforcement Learning	Implemented
General Suggestions :			
A student can be exempted from a professional elective course (verticals) provided that they have completed an NPTEL course with the similar syllabus.			Implemented
As a general suggestion, all the text books prescribed in the syllabus must be chosen form the latest edition, possibly it should be with in last five years.			Implemented

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)
Approved
Board of Studies
Artificial Intelligence & Data Science
NAMAKKAL-637018

BoS/AI&DS- Chairman

PAAVAI ENGINEERING COLLEGE
(Autonomous)
Department of Biotechnology
4th BOS Suggestions and Implementation
Academic Year 2024-2025

Year/Sem	Course Code/Title	Suggestion by BOS members	Status of Implementation
III/VI	BT20603/ Genetic Engineering	In the title of Unit IV, replace the word "Genomes" as "Genome".	Implemented
III/VI	BT20606/ Genetic Engineering Laboratory	The list of Experiments has to be rearranged sequentially.	Implemented
	All Courses	Frame course objectives using the format: "To enable the students to the following:" followed by capitalizing each action verb	Forwarded to Academic Council
IV/VII	BT20702/ Immunology	Include "Types & Classification of Vaccines" and add the topic "Active and Passive Vaccines in Unit V	Implemented
IV/VII	BT20703/ Downstream Processing Laboratory	Rename Experiment 7 as "Aqueous Two-Phase Extraction of Biological Samples" instead of "Aqueous Two-Phase Extraction of Biologicals."	Implemented
IV/VIII	BT20802/ Project Work (Phase II)	The students shall take up only Project works by completing the theory courses by 7th Semester	Forwarded to Academic Council
Professional and Open Electives	R2019	The courses such as Feed Products of the Poultry Industry, and Post-harvest Methods in Poultry Products may be incorporated as Open Electives or Value-added courses.	Forwarded to Academic Council

Value-Added Course	R 2023	The Value-Added Course "Waste Management by vermicomposting" can be reframed as "Biocomposting & Waste Management".	Implemented
I/II	BT23202/ Bioorganic Chemistry Laboratory	Amendment - The total number of experiments can be reduced to 7 by removing Experiment 3 or 4 or 8, Experiments 9 and 10.	Forwarded to Academic Council

HoD/BT

PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

DEPARTMENT OF CHEMICAL ENGINEERING

11th BOS SUGGESTIONS AND IMPLEMENTATION

ACADEMIC YEAR 2024-2025

Semester/Year	Course code/ Title	Suggestions by BoS members	Implementation
V/ Third	CM23152-Petroleum Refining-I	Replace Unit-II as crude processing and Unit-III as testing	Implemented
V/ Third	CM23155-Petroleum Corrosion Technology	The unit titles may be modified based on contents	Implemented
V/ Third	CM23156-Polymer Technology	The unit wise contents may be added for the prescribed hours	Implemented
VI/ Third	CM23251-Air pollution Engineering	Replace unit-IV as air pollution modelling and unit-V as air pollution control	Implemented
VI/ Third	CM23253-Solid Waste Management	Include incineration topic in unit-V	Implemented

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8th BOS Meeting
Academic Year 2024 -2025

Amendments

Regulations	Sem/Year	Existing	Proposed
2023	IV/ II	PT23403 – Post Harvest Engineering	• The subject FT23403 - Post Harvest Engineering has to be replaced by Food Additives in 4th semester has been suggested. • As the Topic Post harvesting and food spoilage has also been studied in the subject Fruits and vegetable processing technology in the upcoming semester.
2023	VII / IV	FT20701 - Food Safety, Quality and regulation	Replacing the subject FT23701 - Food Safety Regulation by FT20651 – Food supply chain management in the 7th semester and Replacing Food Safety, Quality and regulation instead of Food Additives in the 5th semester.

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Academic Year 2024 -2025

Suggestions and Implementation

Sem/Year	Course Code/Title	Suggestion by BOS Members	Status of Implementation
Vertical 1	FT23151 - Meat Fish Poultry Processing Technology	1. In Unit 3, Fish- Characteristics of fresh fish, Fish products like Fish muscle protein, Surimi production, fish mince products, fish sauce and paste can be included. 2. Food safety measure GMP and GHP is already in Food Safety Paper so the topics can be removed. 3. The following Reference Book can be used for the above suggested topics. D.P.Sen, 2005 - Advances in Fish Processing Technology Preservation of fish and meat, 2004	Implemented
Vertical 1	FT23152 - Cold Chain Techniques	Give equal weightage to all units	Implemented
Vertical 1	FT23153 - Technology of Cereals, Pulses and Oilseeds	1. No pulses content in any Unit, no objective with reference to pulses 2. In unit 1 specify the types of Millets 3. In unit-5, include Soyabean, Tofu, Temph, Peanut- butter and curd	Implemented
Vertical 1	FT23154 - Fat and Oil Processing Technology	1. Unit -1: Crude vegetable oil, Virgin oil, Cold Pressed oil extraction process can be included. 2. Unit - IV: Reused oil can be included 3. Unit – V: Functional foods- specify the functional food	Implemented
Vertical 1	FT23155 - Plantation and spices Product Technology	1. In Unit – I the topics of coconut processing and byproducts, cashew nut and oil palm	Implemented

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		processing, Processing of tuber crops - tapioca need to be removed. 2. In Unit – II to remove the content, Direct contact heater (DCH), plate heater (PHE), advantages and disadvantages, Evaporator specifically types and performance measures.	
Vertical 1	FT23157 - Food Plant and Process Equipment Design	Whole content in heavy , need to minimize.	Implemented
Vertical 2	FT23252 - Food Phytochemicals	1. In Unit - 1 has to be removed - Dietary patterns rich in phytochemicals, Phytochemicals in Functional Foods, Introduction to functional foods and their role in health promotion, Examples of phytochemical - rich functional foods and beverages. 2. In Unit 2 - Anticancer Properties are suggested to be removed 3. In Unit 3 - Impact of phytochemicals are suggested to be removed.	Implemented
Vertical 2	FT23254 - Genetically Modified Foods	Whole content in heavy , need to minimize.	Implemented
Vertical 2	FT23256 - Enzymes in Food Processing	1. In Unit – 1 the topic GMO and protein engineering, recombinant DNA technology and Applications specifically cereal food products, potato products and coffee need to be removed. 2. Unit – 3 "Enzyme in bread and non-bread making"- to remove the topic Enzymatic effects on pasta and noodles, application of enzymes in different food products, Enzymatic effects on pasta and noodles.	Implemented
Vertical 3	FT23351 - Meat Processing Technology	1. Unit 1- Introduction – the topic Different types of slaughtering methods to be removed. 2. Unit 2 - Slaughtering and Cutting topic to be minimized.	Implemented

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		3. It was suggested to remove the content poultry slaughter house building, facility requirements and food production from halal perspective.	
V/ III	FT23504 - Food Safety, Quality and Regulation	In Unit -5, include Standards for foods- cereals, pulses, honey and sugar, vegetables and meat products.	Implemented
IV/ II	FT23403 – Food Additives	Functions of Food Additives, Major additives used in Food Processing can be included	Implemented

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DEPARTMENT OF INFORMATION TECHNOLOGY

11th BoS

Academic Year 2024 - 2025

Suggestions and Implementations

Sem / Year	Course Code / Title	Suggestion by BoS Members	Status of Implementation
B.Tech – Information Technology			
Vertical – I (Data Analysis)	'Computer Vision' & 'Image and Video Analytics'	Ensure that syllabus contents of these two courses are not overlapped	Implemented
	'Data Virtualization'	This course can be moved to Vertical-III (Data Center Technologies)	Implemented
Vertical – II (Software Development)	'R Programming'	This course can be moved to Value Added Course, instead the subject 'Speech Processing' can be included.	Implemented
Vertical – III (Data Center Technologies)	'Data Visualization'	This course can be moved to Vertical- I (Data Analysis).	Implemented

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Department of Pharmaceutical Technology
8th BOS Meeting
Academic Year 2024 -2025

Suggestions and Implementation

Sem/Year	Course Code/Title	Suggestion by BOS Members	Status of Implementation
VI/III	PT23151- Protein structure, Function and Proteomics	The sub topic "Source of Protein" to be included in Unit I	Implemented
VI/III	PT23152-Metabolic Engineering	The topic " Plant metabolite" to be included	Implemented

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Department of Science and Humanities

Action taken report of 11th BoS

BOS Suggestions and Implementation

Academic Year 2024-2025

Sem /Year	Course code/ Title	Suggestion by BOS Members	Status of Implementation
IV/ II	**MA23405 Probability and Statistics with R**	Suggestions were given • In unit 1, include Basic concepts of Probability as a review portion and add the distributions topic from unit 2. • In unit 2, start with Correlation and change the topic Regression equations of 2 components instead of Regression lines. • In unit 3, add the topic Large sample tests. • In Lab Component contents, remove the term Applications. • Update the 9th edition for the Reference book - Walpole. R.E., Myers. R.H., Myers. S.L. and Ye. K., "Probability and Statistics for Engineers and Scientists", Pearson Education, Asia, 8thEdition, 2007. • Change 9 hours for unit 1, 10 hours for unit 2, 12 hours for unit 3, 8 hours for unit 4 and 6 hours for unit 5.	Implemented
IV / II	**MA23401 Statistics and Numerical Methods**	• To change the topic Lagrangian method for unequal intervals instead of Lagrangian method for equal and unequal intervals.	Implemented

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DEPARTMENT OF MANAGEMENT STUDIES

Minutes of 10th Board of Studies Meeting

S.NO	Sem & Year	Course Code / Title	Suggestion by BOS Members	Status of Implementation
1.	II / I	BA23201 – Production and Operations Management	Suggestion to include topics such as ERP Model, ERP software and AD Project reports in Unit – IV. Updated versions of text books were given.	Implemented
2.	II / I	BA23302 – Financial Management	• To add overview of Financial Management in India in the course objectives. • To add topics Source of Finance, Decision Tree Analysis, Financial Planning and strategy, Inventory control techniques.	Implemented
3.	II / I	BA23210 – Marketing Management	• To retitle Unit – III as Marketing Research and Marketing Mix was suggested. • To include topics Online Marketing, E-commerce and Model, E-Business, Marketing Research and Mix in Unit –V.	Implemented
4.	II / I	BA23204 – Human Resource Management	• To include topics HRIS and HRM in Unit – I. • To include topics Training, Motivation, Reward, Compensation, Job Satisfaction, Employee Engagement in Unit - IV	Implemented

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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

10th BOS SUGGESTIONS AND IMPLEMENTATION

Academic Year 2024-25 Even Semester

AMENDMENTS

Regulations	Sem/Year	Existing	Proposed
R2023	II / I	CA23203 – Advanced Database Management Systems	CA23209 – Database Management Systems
R2023	II / I	CA23206 – ADBMS Laboratory	CA23210 – DBMS Laboratory

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DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

10th BOS SUGGESTIONS AND IMPLEMENTATION

Academic Year 2024-25 Even Semester

Sem / Year	Course Code / Title	Suggestions by BOS Members	Status of Implementation
I / II R2023	CA23201-Internet of Things	Change the title of Unit III to Scheduling Governance in the Internet of Things and include the topic IIOT in the Unit IV	Yes, Implemented
I / II R2023	CA23203-Advanced Database Management	Course title renamed Database Management System instead of Advanced Database Management Systems	Yes, Implemented
I / II R2023	CA23203-Advanced Database Management	Rearrange the unit as Introduction to Database System, SQL and PL/SQL, Distributed Databases, Spatial and Temporal Databases and NOSQL Databases.	Yes, Implemented
I / II R2023	CA23206-Advanced DBMS Laboratory	Course title renamed DBMS Laboratory instead of Advanced DBMS Laboratory.	Yes, Implemented
I / II R2023	CA23206-Advanced DBMS Laboratory	Rearrange the Experiment as DDL Commands, DML Commands, Set Operations, PL/SQL Operations, PL/SQL Exception, NOSQL Commands, MySQL Database, MySQL Replication, Spatial Data Storage and Temporal Data Storage.	Yes, Implemented
I / II R2023	Elective I - CA23151-Web Design	Rearrange the Web Design Course unit as Introduction to WWW, UI Design, Java Script, Advanced UI with CSS and Server Side Programming with PHP.	Yes, Implemented
I / II R2023	Elective I - CA23152-Information Security	Simplify the Unit V in the Course Information Security	Yes, Implemented
I / II R2023	Elective I - CA23153-Mobile Application Development	Name the title of Unit III in the course Mobile Application Development as Memory Management.	Yes, Implemented

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