



PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF MECHATRONICS

ACTION TAKEN REPORT - STAKEHOLDERS FEEDBACK ON CURRICULUM AND SYLLABUS

Academic Year 2022-2023

Date: 15.07.2022

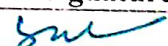
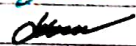
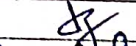


1. Feedback was collected.
2. The feedback was analysed and reviewed through Internal Committee.
3. The Proposed draft of syllabus was put forth to DAC. The Constructive suggestions were taken from the Stakeholders feedback.
4. After detailed deliberation and discussion, the proposed draft of syllabus with modification was presented to BoS for final Approval.
5. After BoS recommendations, the curriculum and syllabus will come into implementation.

Feedback was requested from following Stake holders

S. No	Stake Holders	No of feedback form received
1.	Students	105
2.	Teachers	10
3.	Alumni	20
4.	Employer	5

Course	Recommended by	Recommendation	Action Taken
Students Feedback			
	P. Tharani IV/MCT	Industries related subjects required.	The recommendation is considered and forwarded to DAC.
Control System	O. Arjun III/MCT	Syllabus content was heavy, difficult to prepare for exams.	The recommendation is considered and forwarded to DAC.
	S. Ramachandran II/MCT	Need additional courses to improve our skills.	The recommendation is considered and forwarded to DAC.
Faculty Feedback			
Computer Integrated Manufacturing	Dr.R.T. Ajaykarthik Associate Professor	Introduce contents related to Database Management System in CIM.	The recommendation is considered and forwarded to DAC.
Robotics and Machine Vision System	R. Arunbabu Assistant Professor	Robot Applications in machine vision system concepts should be added.	The recommendation is considered and forwarded to DAC.
Industrial Automation	C. Vibin Stalin Assistant Professor	Applications should be provided related to PLC.	The recommendation is considered and forwarded to DAC.

Alumni Feedback			
	K.K. Sarathlal Junior Industrial engineer, Wistron Infocom Manufacturing India Pvt Ltd	Concentrate on Hybrid Vehicles oriented concepts.	The recommendation is considered and forwarded to DAC.
	B. Nithish Kumar Software developer, Exeter Premedia Services Pvt Ltd	Training classes must be arranged.	The recommendation is considered and forwarded to DAC.
	S. Gokulapriyan Research and Development, Abi showatech	Subjects focuses on the concepts of Machine Learning is essential.	The recommendation is considered and forwarded to DAC.
Employer Feedback			
	S. Aravind Raj Application Specialist, State Street HCL services	Introduce IOT oriented subjects.	The recommendation is considered and forwarded to DAC.
	K. Yuvaraj Senior Application specialist, HCL technologies pvt ltd.	Subjects / contents of mechatronics in medical field is most preferable.	The recommendation is considered and forwarded to DAC.
	B.R. Rajeshhkumar Lead-Projects Engineer, Malles Automated & Robotic Systems Pvt Ltd	Provide programming courses on robotics.	The recommendation is considered and forwarded to DAC.

S.No	Name of the Member	Designation	Role	Signature
1	Dr. D.R.P. Rajaratnam	HOD	Chairman/BOS	
2	Dr.R.T. Ajaykarthik	Associate Professor	Member	
3	R. Arunbabu	Assistant Professor	Member	
4	S. Manikandan	Assistant Professor	Member	
5	C. Vibin Stalin	Assistant Professor	Member	


HOD/MCT

HEAD OF THE DEPARTMENT
MECHATRONICS ENGINEERING
PAAVAI ENGINEERING COLLEGE
NH-7, PACHAL (FO) NAMAKKAL - 637 018


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PAAVAI ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT OF MECHATRONICS

Minutes of Eighth Board of Studies Meeting

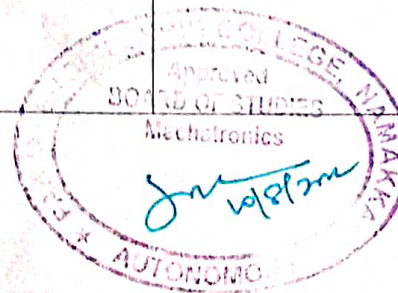
Venue: Online mode through Microsoft Teams Platform

Date and Time: 10.08.2022, 1.00 p.m.

Minutes of the Eighth Board of Studies meeting was held on August 10th at 1.00 p.m. through online mode using Microsoft Teams platform.

The following members were present,

S.No	Name	Designation	Position in the Committee	College / University / Industry
1.	Dr.D.R.P. Rajarathnam	HOD & Prof / MCT	Chairman	Paavai Engineering College
2.	Dr.C. Balamurugan	Associate Professor	University Nominee	CEG Campus, Anna University, Chennai
3.	Dr.K. Balaji	Assistant Professor (Sr.) Grade I	Academic Expert	Vellore Institute of Technology, Vellore
4.	Dr.P.M. Gopal	Assistant Professor	Academic Expert	Karpagam Academy of Higher Education, (Deemed to be University) Coimbatore
5.	Mr.T. Balavignesh	Design Engineer	Industry Expert	Karthigeya Moulds & Dies Pvt. Ltd. Chennai
6.	Mr.T. Balakrishnan	Procurement Officer – Parts & Accessories Division	Alumni	Isuzu Motors India Pvt Ltd, Chennai
7.	Mrs.G. Umamaheswari	ASP/EEE	Member	Paavai Engineering College
8.	Mr.S. Rajesh	ASP/CSE		
9.	Mr.N. Moorthi	AP/Civil		
10.	Dr.R.T. Ajaykarthik	ASP/MCT		
11.	Mr.R. Arunbabu	AP/MCT		
12.	Mr.S. Manikandan	AP/MCT		
13.	Mr.R. Karthick	AP/MCT		



AGENDA

1. Chairman / BoS welcomed all members for the 8th meeting of Board of Studies.
 2. Chairman / BoS introduced the members to the Board of Studies.
 3. Chairman / BoS briefed the members about agenda.
 1. Chairman / BoS discussed the status of implementation of 7th BoS suggestions to the members of Board of Studies.
 2. B.E. Mechatronics Passing of the following details:
 - Syllabi of seventh and eighth semester (academic year 2022-2023) for the batches of students admitted during the academic year 2019-2020 under Regulations 2019.
 - Syllabi of fifth and sixth semester syllabus (academic year 2022-2023) for the batches of students admitted during the academic year 2020-2021 onwards under Regulations 2019.
 - Syllabi of 5th, 6th, 7th and 8th semester for the batches of students admitted during the academic year 2020-2021 under Regulations 2019.
 - List of one credit courses for the UG Programme.
 - List of value-added courses for the UG Programme.
 - Amendments of Environmental Science and Engineering in 6th semester for the students admitted in the year 2021-2022 (as lateral entry) under Regulations 2019.
 - Examination pattern as per Anna University.
 - Amendments of Soft Skills I & II in 3rd & 4th Semester for the students admitted from 2021-2022 onwards under Regulations 2019.
 - Amendments of Soft Skills I & II in 5th & 6th Semester for the students admitted during 2020-2021 under Regulations 2019.
 - NPTEL / Swayam (Online courses).
 - Spoken Tutorial Courses.
 3. Any other matter.
4. The following are the suggestions given by the members of Board of Studies:

UG Curriculum and Syllabi

The members of the board suggested the following:

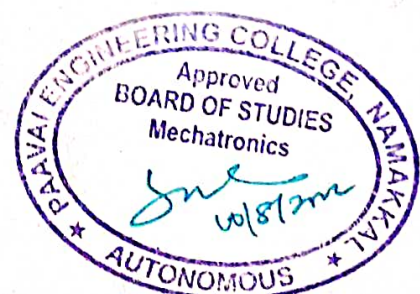
- **MT19701 - Computer Integrated Manufacturing:**
 - ✓ Course objectives may be modified.
- **MT19706 & MT19802 – Project Work (Phase I) & Project Work (Phase II):**
 - ✓ Industrial projects may be entertained.



- **MT19452 – Renewable Energy Sources:**
 - ✓ Syllabus contents of Unit IV and Unit V was heavy, so members suggested to reduce.
- **MT19554 – Industrial Engineering:**
 - ✓ Unit IV – Include ABC analysis, Stores and material control related contents.
- **MT20504 - Control Systems:**
 - ✓ Syllabus contents of Unit I, Unit III and Unit V was reduced.
- Amendments for Mandatory course approval for the Regulations 2019 (2020-2021 admitted candidates, lateral entry), Environmental Science and Engineering for 6th semester.
- Other courses approved in 7th BoS are applicable to the 5th and 6th semester with code change for 2020 admitted candidates of Regulations 2019.
- 7th and 8th semester syllabi approved for the students admitted during the academic year 2020-2021 under Regulations 2019 with code change.
- Curriculum of UG Programme can be modified as per the suggestions given.

List of courses Newly introduced for the UG Programme.

1. MT19703 - Micro Electro Mechanical System
2. MT19801 - Autotronics and Vehicle Intelligence
3. MT19351 - Bio Mechatronics
4. MT19353 - Optimization Techniques
5. MT19451 - Drone Technology
6. MT19551 - Artificial Intelligence and Machine Learning
7. MT19553 - Electric and Hybrid Vehicles
8. MT19651 - Industrial Internet of Things
9. MT19652 - Finite Element Analysis
10. MT19904 - Introduction to Mechatronics



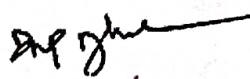
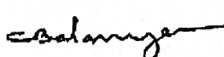
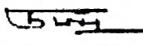



List of one credit courses for the UG Programme.

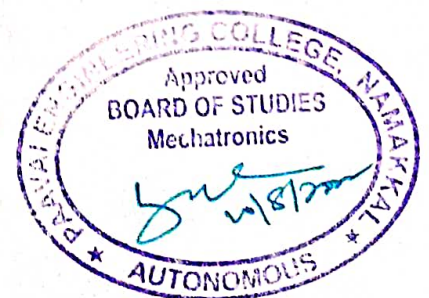
S. No	Course Code	Course Title
1	MT20951	Maintenance and troubleshooting of hydraulic system
2	MT20952	SCADA
3	MT20953	CATIA-V5
4	MT20954	PLC Programming
5	MT20955	Control of Motors Using Special Drives
6	MT20956	Robot Programming Certification
7	MT20957	Control Panel and Wiring

List of value-added courses for the UG Programme.

S. No	Course Title
1	Solidworks
2	Creo (Sketching, Part Design, Assembly, Drafting) Latest Version
3	Non-Destructive Testing
4	Training on PLC and SCADA
5	LabVIEW
6	EdgeCAM

5. Chairman/BOS thanked all the members for their active participation, suggestions and contribution made for recommending the B.E. Mechatronics, the syllabi of UG 7th and 8th semester for the students admitted during 2019-2020, UG curriculum and syllabi of 5th, 6th, 7th and 8th semester for 2020-2021 admitted students to the academic council.

Position in the committee	Chairman	University Nominee	Academic Expert 1	Academic Expert 2	Industry Expert	Alumni
Name & Designation	Dr.D.R.P.Rajarathnam & HOD & Prof / MCT	Dr. C. Balamurugan & Associate Professor	Dr. K. Balaji & Assistant Professor (Sr.) Grade I	Dr.P.M.Gopal & Assistant Professor	Mr.T. Balavignesh & Design Engineer	Mr.T. Balakrishnan & Procurement Officer-Parts & Accessories Division
e-Signature						



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF MECHATRONICS
Action taken report of 8th BOS
BOS Suggestions and Implementation**

Academic Year (2022-2023)

Sem/Year	Course code/Title	Suggestions by BOS members	Status of Implementations
V / III	MT20504 - Control Systems	Syllabus contents reduced in Unit 1,3,5.	Implemented
VII / IV	MT19701 - Computer Integrated Manufacturing	Course objectives may be modified.	Implemented
VII & VIII / IV	MT19706 - Project Work (Phase I) & MT19802 - Project Work (Phase II)	Industrial projects may be entertained.	Implemented
VII & / IV (Professional Elective IV)	MT19452 – Renewable Energy Sources	Syllabus contents of Unit IV and Unit V was heavy, members suggested to reduce.	Implemented
VIII & / IV (Professional Elective V)	MT19554 – Industrial Engineering	Unit IV – Include ABC analysis, Stores and material control related contents.	Implemented


HoD/MCT – BoS (Chairman)