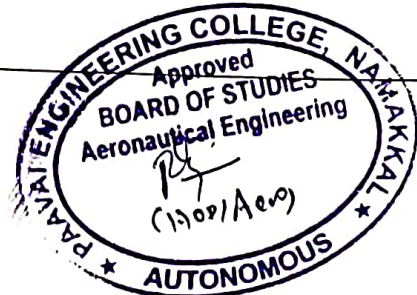


PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF AERONAUTICAL ENGINEERING
MINUTES OF THE SEVENTH BOARD OF STUDIES MEETING
DATE AND TIME: 30.07.2021, 10.00AM
ONLINE MODE

MEMBERS PRESENT:

S.NO	NAME & DESIGNATION	POSITION IN THE COMMITTEE	COLLEGE/UNIVERSITY/INDUSTRY
1.	Dr.R.Arravind, Professor and Head	Chairman	Paavai Engineering College,Namakkal.
2.	Dr.B.T.N.Sridhar, Professor/AERO	University Nominee	Anna University, MIT Campus, Chennai.
3.	Dr.C.Ramesh, Associate Professor/AERO	Academic Expert	Hindustan Institute of Technology and Science, Chennai.
4.	Dr.S.Venkatachalam, Associate Professor/Aerospace	Academic Expert	Karunya Institute of Technology and Sciences, Coimbatore.
5.	Mr.J.Balakannan, Managing Director.	Industry Expert	Jet Aerospace Aviation Research Center, Kanjikode, Kerala.
6.	Mr.P. Mohammed Zamman, Analyst	Alumni	Capgemini Services Pvt Ltd, Bangalore.
7.	Mr.D.Rajkumar, Assistant Professor	Internal Members	
8.	Mr.G.Sasi, Assistant Professor		
9.	Mr.P.Prasanna, Assistant Professor		
10.	Mr.K.Gokulnath, Assistant Professor		
11.	Mr.P.Karthikeyan, Assistant Professor		
12.	Mr.R.Nallappan, Assistant Professor		



AGENDA:

- The Curriculum and syllabus for the 5th and 6th semester of Regulations 2019(For the students admitted during the academic year 2019-2020)
- The Curriculum and syllabus for the 3rd and 4th semester of Regulations 2019(For the students admitted during the academic year 2020-2021)
- List of one credit and value added courses
- Panel of examiners

Suggestions by the members:

1. AE20306 STRENGTH OF MATERIALS LABORATORY Course

- To change the title of Exp. No 3 as "Determine the shear modulus of Mild steel rod using tension test".
- To change the title of Exp. No 4 as "Determine the young's modulus of mild steel rod using torsion test".
- To shift the Exp No. 7 and 8 from 3rd semester to 5th semester Aircraft structures I lab. Include Perform the Reverse plate bending Fatigue test and Perform the Rotating Beam Fatigue test.

2. AE20402 AIRCRAFT PROPULSION Course

- It was suggested to add piston engine basics in UNIT I and compressor surging in Unit IV.
- In UNIT IV it was suggested to add Radial flow turbine topic.

3. AE20403 AIRCRAFT STRUCTURES I Course

- It was suggested to list out the derivations specifically under the topic "columns with various end conditions" in Unit IV.

4. AE20406 AERODYNAMICS LABORATORY Course

- It was suggested to add calibration of subsonic wind tunnel as experiment number 1.

5. AE19502 AERODYNAMICS II Course

- It was suggested to arrange the units in the order One Dimensional Compressible Flow, Normal and Oblique Shocks.

6. AE19503 RAMJET AND ROCKET PROPULSION Course

- It was suggested to add Ramjet basics in Unit I



7. AE19602 COMPOSITE MATERIALS AND STRUCTURES Course

- The titles of UNITS I and II need to be specific such as Introduction to Composites and Methods of Analysis.

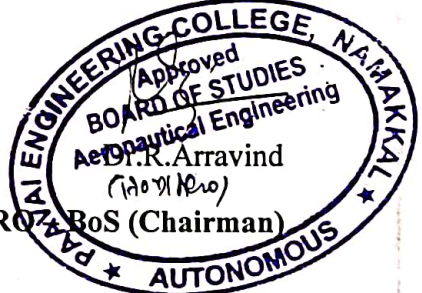
8. AE19604 CAD AND CAM LAB FOR AERONAUTICAL APPLICATIONS Course

- To change the title of experiments which starts with "Design" into "Drawing".


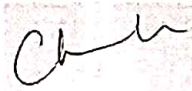

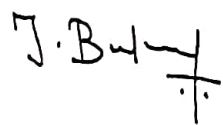
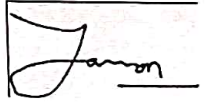
9. AE19152 VIBRATIONS AND ELEMENTS OF AEROELASTICITY Course

- It was suggested to include names of the sub topics under the UNITS III, IV and V.
- In Unit III add Eigen value problems, Hamilton's principle.
- In Unit IV add Rayleigh method, Holzer Method.
- In Unit V add Basic ideas on wing divergence, Flutter and its Prevention.

The above suggestions were given by the members and approved the syllabi for the 5th and 6th semester of 2019-20 admitted students, 3rd and 4th semester of 2020-2021 admitted students of Regulations 2019(CBCS), one credit courses, value added courses and panel of examiners.



 HoD / AERO BoS (Chairman)

Position in the committee	University Nominee	Academic Expert	Academic Expert	Industry Expert	Alumni
Name & Designation	Dr.B.T.N.Sridhar, Professor/AERO, MIT Campus, Anna University, Chennai.	Dr.C.Ramesh, Associate Professor/AERO, Hindustan Institute of Technology and Science, Chennai.	Dr.S.Venkatachalam, Associate Professor/Aerospace, Karunya Institute of Technology and Sciences, Coimbatore.	Mr.J.Balakanna, Managing Director, Jet Aerospace Aviation Research Center,Kanjikode, Kerala.	Mr.P.Mohammed Zamman, Analyst,Capgemini service Pvt Ltd, Bangalore.
e-Signature					

PAAVAI ENGINEERING COLLEGE
(Autonomous)
DEPARTMENT OF AGRICULTURE ENGINEERING

Minutes of Seventh Board of Studies Meeting

Venue: Online mode through Microsoft Teams platform

Date and Time: 22.07.2021, 3 p.m

Minutes of Seventh Board of Studies meeting held on July 22nd 2021 at 3.00 p.m through online mode using Microsoft Teams platform.

The following members were present

S.NO	Name	Designation	Position in committee	College/University/Industry
1	Dr.A.Vivekanandhini	Hod/Agri	Chairman	Paavai Engineering College
2	Dr.M.Krishnaveni	Professor	University Nominee	Centre For Water Resource, College Of Engineering, Guindy, Chennai
3	Dr.R.Mahendiran	Associate Professor/Bio Energy	Academic Expert	Department of Renewable Energy Engineering, Agricultural Engineering College & Research Institute ,Coimbatore
4	Dr. V.Chelladurai	Associate Professor	Academic Expert	Department of Agriculture Engineering, Bannari Amman Institute of Technology, Sathyamangalam, Erode
5	Mr.N.Meganathan	Managing Partner	Industrial Expert	Kongunad Tractors, Namakkal
6	Mr.G.Krishna	Project Officer	Alumni	Roots irrigation, Coimbatore
7	Dr.Tamilchelvan	Professor/Agri	Members	Paavai Engineering College
8	M.Janardhanam	Asst.Professor/Agri		
9	S.M.Murugesan	Asst.Professor/Agri		
10	N.Satheeswaran	Asst.Professor/Agri		
11.	D.Anandan	Asst.Professor/Agri		
12.	P.Arthiya	Asst.Professor/Agri		
13	M.Bhuvaneswari	Asst.Professor/Agri		
14	A.Meignanmoorthi	Asst.Professor/Agri		
15	A.Subashini	Asst.Professor/Agri		
16	S.Subha	Asst.Professor/Agri		

AGENDA

1. The Curriculum and syllabus for the 5th and 6th semester of Regulations 2019(For the students admitted during the academic year 2019-2020).
2. The Curriculum and syllabus for the 3rd and 4th semester of Regulations 2019(For the students admitted during the academic year 2020-2021).
3. List of one credit and value added courses.
4. Panel of examiners.

V AND VI SEMESTER

1. AI19504- Post harvest technology

Members suggested to shift AI19504 (Post harvest technology) from the semester V to semester VI and also shift AI19603-Bio and Thermo-Chemical Conversion of Biomass from VI semester to V semester.

2. AI19506- Irrigation and Drainage Engineering

Members suggested to change the V unit title Drainage System to Agricultural Drainage System.

3. AI19602- Soil and Water Conservation Engineering

Members suggested to change the hours of the units according to the content of that units.

4. AI19153 – Farm Power and Machinery Management

Members suggested to elaborate and add safety aspects in the Unit III (System Approach)

5. AI19253 – Energy and Environmental Auditing and its Management

Members suggested to add water audit should be included in unit III.

6. AI19254 - On Farm water Management

Members suggested to change the title of Unit V Special topics as Automation in Irrigation.

7. AI19901-Agricultural Waste Management

Members suggested to change the title Unit I Introduction as Characteristics of Agricultural Waste.

III AND IV SEMESTER

1. AI20304- Surveying and leveling

Members suggested to add advanced surveying methods (Theodolite surveying and total station) instead of farm structures in V unit.



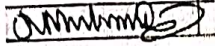



2. AI20305 – Surveying Laboratory

Members suggested that, the order of experiments to be change

3. AI120352- Plant protection

Members suggested to modify the course title of AI120352- Plant protection to Plant protection equipment.

The above suggestions were given by the members and approved the syllabi for the 5th and 6th semester of 2019-20 admitted students, 3rd and 4th semester of 2020-2021 admitted students of Regulations 2019(CBCS), one credit courses, value added courses and panel of examiners.

Position in the committee	Chairman	University Nominee	Academic Expert-I	Academic Expert-II	Industrial Expert	Alumni
Name & Designation	Dr.A.Vivekanandhini	Dr.M.Krishnaveni Professor	Dr.R.Mahendiran Associate Professor	Dr.V.Chelladurai Associate Professor	Mr.N.Meganathan Managing Partner	Mr.G.Krishna Project Officer
e-Signature						



PAAVAI ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT OF CIVIL ENGINEERING

Minutes of Seventh Board of Studies Meeting

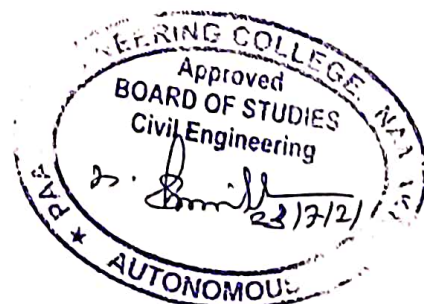
Venue: Online mode through Microsoft Teams platform

Date and Time: 23.07.2021, 11.00 a.m.

Minutes of the Seventh Board of Studies meeting was held on July 23rd at 11.00 a.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.	Mrs. K. Sharmila Devi	HoD/ Civil	Chairman	Paavai Engineering College, Namakkal.
2.	Dr.K.Chinnaraju	Professor/ Division of Structural Engineering	University Nominee	Anna University, Chennai.
3.	Dr.J.Karthikeyan	Associate Professor/Civil	Academic Expert	National Institute of Technology , Thiruchirapalli
4.	Dr.S.S.Chandrasekaran	Professor / School of Civil Engineering	Academic Expert	Vellore Institute of Technology , Vellore
5.	Mr. Rajaram	Managing Director	Industry Expert	Sri RV Associates , Namakkal
6.	Mrs.R.Nivetha	Assistant Engineer	Alumni	Highway Department, Vellore
7.	Mr. A. Jayapal	AP/Civil	Members	Paavai Engineering College, Namakkal.
8.	Ms.S.Gayathri	AP/Civil		
9.	Mr.N.Moorthi	AP/Civil		
10.	Mrs. S. Rajeswari	AP/Civil		



The following agenda are discussed and approved

1. Curriculum and Syllabus were discussed in Department Advisory Committee meeting conducted on 22.07.2021.
2. The Curriculum and Syllabus were framed based on the suggestions given by the Industrial experts, Subject experts and Alumni students have been implemented and presented to the BoS members.
3. Chairman - BoS introduced the members of the Board of Studies.
4. Chairman -BoS briefed the members about the agenda.
5. To discuss the 5th and 6th Semester Syllabus of UG Students admitted in the year 2019-2020 of R2019.
6. To discuss the Curriculum of UG Students admitted in the year 2020-2021 of R2019.
7. To discuss the 3rd and 4th Semester Syllabus of UG Students admitted in the year 2020-2021 of R2019.
8. To discuss the One Credit Courses for the UG Students admitted in the year 2020-2021 of R2019.
9. To discuss the Value Added Courses for the UG Students admitted in the year 2020-2021 of R2019.
10. Panel of Examiners

The following are the suggestions given by the Members of Board of Studies

UG - Regulation 2019

V SEMESTER

The courses whichever discussed are given below,

1. Structural Analysis I

The committee suggested to,

- Add the reference books "Matrix methods of Structural Analysis" by V.N.Vazirani and M.M.Ratwani, "Matrix methods of Structural Analysis" by S.S.Bhavikatti, "Theory of Structures" by S.Ramamrutham and R.Narayan.

2. Soil Mechanics

- The committee suggested to include the topic "Introduction to Landslides" at the end of Unit V.



3. Railways, Airports and Harbour Engineering

The committee suggested,

- To rename the title of Unit I from “Railway Planning and Construction” as “Railway Planning”.
- To add the topics “Metro rails and MRTS” at the end of Unit II.
- The course is shifted from Semester V to Semester VI.

4. Soil Mechanics Laboratory

The committee suggested,

- To conduct the Experiment “Shrinkage Limit” as Exp .No:3

5. Concrete Technology

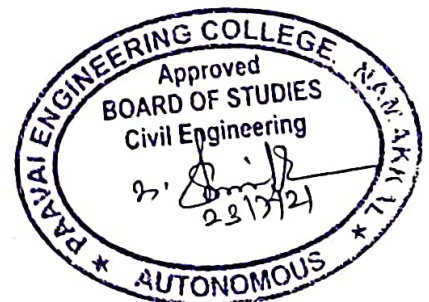
The committee suggested to,

- Replace the title of Unit II from “Admixtures in Concrete” to “Admixture and Mix Proportion”
- Replace the title of the Unit III from “Properties of Concrete and Quality Assessment” to “Workability, Mechanical Properties and NDT”
- The topic “Durability” of Unit V were suggested to make it as a separate Unit as Unit IV.
- Change “Special Concrete” as Unit V.
- Shift the book A.R.Santhakumar, “Concrete Technology” from Text book to Reference Book.
- Add the ACI method code book in Reference.
- Add the book “Concrete Technology” by “Dr. Job Thomas” as Text book

6. Design of Reinforced Cement Concrete Structures

The committee suggested to,

- The course is shifted from Semester VI to Semester V.
- Remove “National Building Code of India 2016” from Reference.



VI SEMESTER

The courses whichever discussed are given below,

The committee suggested the following points to,

1. Structural Analysis II

- Remove the book "Vaidayanathan.R and Perumal.P, Comprehensive Structural Analysis Vol.1 from Textbook.

2. Foundation Engineering

- Add the topic "Introduction to Retaining wall and Reinforced Earth wall" in Unit V.
- Add the book "Analysis and Design of Sub Structures by Swami Saran" as Reference.
- Remove the books Gopal Ranjan and Rao A.S.R. "Basic and Applied soil mechanics", Das, B.M. "Principles of Foundation Engineering", Kaniraj, S.R. "Design aids in Soil Mechanics and Foundation Engineering" from Reference
- Add the Reference book "Foundation Analysis and Design by Joseph E.Bowls".

3. Design of Steel Structures

- Remove "Steel Tables" from Reference

4. Building and Structural Drawing

- Add reference book "Design and Detailing by Krishna Raju.N"
- Add IS Code SP:34-1987: Handbook on concrete reinforcement detailing in Reference.

5. Building Service

- Rename the title of Unit III from "Refrigeration Principles and Applications" as "Refrigeration and Air Conditioning"

6. Value Added Course

- Remove the value added course "Special Training on Vasthu"

UG Regulations 2019 (Amendments)

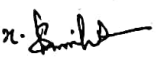
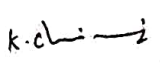
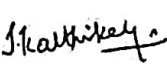
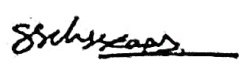

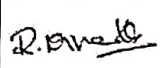
- In R2019 (For Students admitted during the Academic year 2019-2020), Design Project & Project work course names have been changed to Mini Project & Main Project.
- The Professional Elective courses have been rearranged according to pre-requisite needed for the respective courses.

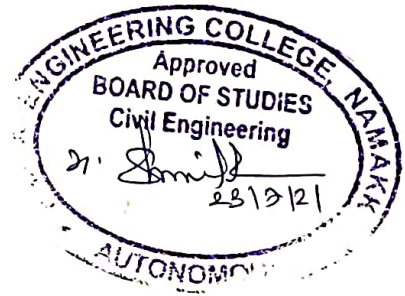


PG Regulations 2019 (Amendments)

1. The credit of the course PEN19101 - Research methodology has been changed from 2 to 3.
2. The credit of the course PSE19103 – Advanced Concrete Laboratory has been changed from 2 to 1.

The above suggestions were given by the members and approved the syllabi for the 5th and 6th semester of 2019-20 admitted students, 3rd and 4th semester of 2020-2021 admitted students of Regulations 2019(CBCS), one credit courses, value added courses and panel of examiners.

Position in the committee	Chairman	University Nominee	Academic Expert	Academic Expert	Industry Expert	Alumni
Name & Designation	Mrs.K.Sharmila devi HoD/Civil	Dr.K.Chinnaraju Professor/ Division of Structural Engineering	Dr.J.Karthikeyan Associate Professor/Civil	Dr.S.S.Chandrasekaran Professor / School of Civil Engineering	Mr.Rajaram Managing Director	Mrs.R.Nivetha Assistant Engineer
e-Signature						



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MINUTES OF THE SEVENTH BOARD OF STUDIES MEETING

(ONLINE MODE)

DATE & TIME: 26.07.2021 & 11.30 a.m.

Dr.D.Banumathy, Chairman / BOS, welcomed all the external and internal members to the 7th Board of Studies meeting.

MEMBERS PRESENT

S.NO.	NAME & DESIGNATION	POSITION IN COMMITTEE	COLLEGE/UNIVERSITY/INDUSTRY
1	Dr.D.Banumathy, Professor & Head	Chairman	Paavai Engineering College
2	Dr.H.Khanna Nehemiah, Professor	University Nominee	Anna University, Chennai.
3	Dr.T.Thenmozhi, Associate Professor/CSE	Academic Expert	Vellore Institute of technology, Vellore.
4	Dr.T.Senthil Kumar, Associate Professor/CSE	Academic Expert	Amirtha School of Engineering, Coimbatore.
5	Mr.Sathish Kumar	Industry Expert	CTS Technologies.
6	Mr.Basant Kumar Soni, Software Architect	Alumni	Virtusa Technologies, Chennai.
7	Dr.K.Sundaramoorthy, Dean Academics	Member	Paavai Engineering College
8	Dr.N.Magendiran, Prof. /CSE	Member	Paavai Engineering College
9	Mrs.P.Renukadevi,ASP/CSE	Member	Paavai Engineering College
10	Mr.S.Sivaganesh,AP/CSE	Member	Paavai Engineering College
11	Mrs.Velumani,ASP/CSE	Member	Paavai Engineering College

AGENDA

- B.E., and M.E., Computer Science and Engineering Passing of the following details:
 - Curriculum for the students admitted in the academic year 2020-2021 of Regulations-2019(CBCS)
 - ✓ Syllabi of 3rd and 4th semester UG.
 - Curriculum for the students admitted in the academic year 2019-2020 of Regulations-2019(CBCS)
 - ✓ Syllabi of 5th and 6th semester UG.
 - One Credit Courses and Value added courses.
 - Panel of Examiner
 - Ratification for PG course Research method and IPR regulations 2019.

Suggestions by expert members:

V SEMESTER REGULATIONS 2019-(STUDENTS ADMITTED DURING THE YEAR 2019-2020 ONWARDS)

- CS19501 – Data warehousing and Data mining, it is suggested to remove the topics architecture for parallel processing and parallel DBMS vendor from Unit II.
- In CS19502 - Computer Networks, “Computer Networking a Top down Approach” by James F. Kurose is need to be included as Text Book and they suggested to include IPV4 & IPV6 in Unit III.
- CS19503-Python Programming, it is suggested to reduce few concepts such as *args, **kwargs in Unit II and data science – using json and xml with Python, Numpy with Python in Unit V because the syllabus is considerably heavy.
- In CS19504 - Object Oriented Modeling and Design to include “Object Oriented Analysis and Design” by Ali Bahrami as a Text Book and suggested to remove the Case studies such as Hospital Management System, Online Shopping, Library management system.
- For CS19505 - Formal Languages and Automata Theory course is to be renamed as Formal Languages and Automata.
- For CS19507 - Python Programing Lab, number of experiments were suggested to reduce as 8 experiments instead of 10 experiments. The following experiments are removed:
 1. Implement the concepts of OOP in python.
 2. Python Programming on NumPy package from the syllabus.

- In CS19151- Mobile Computing, Expert suggested to add the concepts android, pros & cons of windows phone in Unit V.
- For CS19153-Cyber Security course is need to be renamed as Cyber Security Essentials.

VI SEMESTER REGULATIONS 2019-(STUDENTS ADMITTED DURING THE YEAR 2019-2020 ONWARDS)

- In CS19601- Cryptography and Network Security, expert suggested to verify the Year of Edition and Publication in text books.
- In CS19602 - Artificial Intelligence, to include “Artificial Intelligence: A Modern Approach by Stuart Russell and Peter Norvig” as a Text Book.
- In CS19604 - Big data Analytics, experts suggested to remove the topics applications of association rules in Unit II, Stock Market Predictions and Using Graph Analytics for Big Data: Graph Analytics in unit IV.

III SEMESTER REGULATIONS 2019-(STUDENTS ADMITTED DURING THE YEAR 2020-2021 ONWARDS)

- CS20301-Object Oriented Programming, it is recommended to rename the course title Object Oriented Programming with Java course into Object Oriented Programming.
- In CS20305 - Database Management Systems Laboratory, the “Trigger” experiments must be placed after “Views” experiment.
- CS20303-Database Management Systems and CS20305 Database Management Systems Laboratory, committee suggested to shift to III semester from IV semester.

IV SEMESTER REGULATIONS 2019-(STUDENTS ADMITTED DURING THE YEAR 2020-2021 ONWARDS)

- CS20402 Computer Networks and CS20405 Computer Networks Laboratory, it is suggested to prepone to IV semester from V semester.
- CS20403 Python Programming and CS20406 Python Programming Lab, committee insisted to prepone to IV semester from V semester.
- CS20404 Formal Language and Automata, it is suggested to push forward to IV semester from V semester.
- Committee advised to combine Microprocessors and Computer Architecture as single course.
- CS20601-Block Chain Technology course is introduced in the curriculum to enhance the student’s knowledge in recent applications.

- The Committee recommended to remove the course Machine Learning in VII semester.
- The BOS Members recommended to change the course title CS20153-Cyber Security essential Instead of CS20153-Cyber Security.

The members of the board suggested the following changes in ME-CSE regulation 2019.

- Ratification for PG course Research method and IPR regulations 2019.

The above suggestions were given by the members and approved the syllabi for the 5th and 6th semester of 2019-20 admitted students, 3rd and 4th semester of 2020-2021 admitted students of Regulations 2019(CBCS), one credit courses, value added courses and panel of examiners.



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

MINUTES OF THE SEVENTH BOARD OF STUDIES MEETING

(ONLINE MODE)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

DATE: 24.07.2021 & TIME: 11.30 A.M.

MEMBERS PRESENT

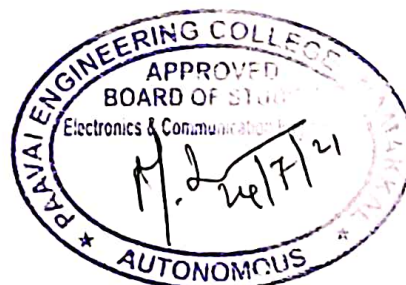
S.NO.	NAME & DESIGNATION	POSITION IN COMMITTEE	COLLEGE/UNIVERSITY/INDUSTRY
1.	Dr.M.Sudha Professor & Head, ECE	Chairman	Paavai Engineering College
2.	Dr.K.Malathi Professor, ECE Anna University	University Nominee	CEG Campus, Anna University, Chennai
3.	Dr.D.Sriram Kumar Professor, ECE	Academic Expert	NIT Trichy
4.	Dr. Kamalraj Subramaniam Professor & HoD BME	Academic Expert	Karpagam Academy of Higher Education
5.	Mr.Pragadheeswaran Venkat Director	Industry Expert	CEO, Aries Biomedical Technology
6.	Dr.K.Manoj Prabhakaran Assistant Professor	Alumunus	School of Electronics and Communication Engineering Amrita Vishwa Vidyapeetham
7.	Dr.S.VijayaKumar Professor	BoS Members	Paavai Engineering College
8.	Dr.T.Aruna Professor		Paavai Engineering College
9.	Dr.S.Elango Professor		Paavai Engineering College
10.	Mrs.E.Sangeetha Associate Professor		Paavai Engineering College
11.	Mrs.A.Samundeeswari Associate Professor		Paavai Engineering College
12.	Dr.R.Mohana Priya Associate Professor		Paavai Engineering College
13.	Dr.T.Loganayaki Associate Professor		Paavai Engineering College
14.	Mr.S.Vijayakumar Associate Professor		Paavai Engineering College
15.	Mrs.C.Vanaja Associate Professor		Paavai Engineering College
16.	Mr.S.Loganathan Assistant Professor		Paavai Engineering College
17.	Mr.G.NandhaKumar Assistant Professor	Paavai Engineering College	

AGENDA

1. The Curriculum and syllabus for the 5th and 6th semester of Regulations 2019(For the students admitted during the academic year 2019-2020)
2. The Curriculum and syllabus for the 3rd and 4th semester of Regulations 2019(For the students admitted during the academic year 2020-2021)
3. List of one credit and value-added courses.
4. Panel of examiners.
5. Courses and Syllabus offered for service departments.

Suggestions by the members

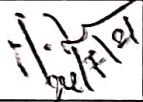

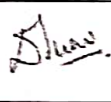
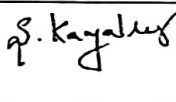
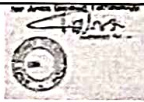
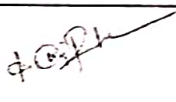
- Experts suggested to refine the title of the 4th semester course EC20403 - Linear Integrated circuits of Regulations 2019 as Analog Integrated Circuits.
- They also added to change the title of the 4th semester course EC20405 - Linear Integrated Circuits laboratory of Regulations 2019 as Analog Integrated Circuits laboratory.
- They emphasized to include 'S parameters' concepts in Unit I, remove Voltage control oscillators, Power amplifiers concepts from Unit I in the syllabus of fifth semester course EC19502 - RF Transmission Lines.
- Experts suggested to interchange second and first units in the syllabus of fifth semester course EC19502 - RF Transmission Lines.
- Experts suggested to remove Filter fundamentals - Design of filters, Constant K- LPF, HPF and BPF Filter design, m-derived filters - Composite filters, Fundamentals of Attenuators and Equalizers from Unit II of EC19502 - RF Transmission Lines.
- They suggested that the FIR and IIR experiments of fifth semester EC19505 - DSP Laboratory course could be conducted through Guest Lecture by Industry experts.
- They suggested to include Dr.B.Venkataramani book for DSP Processors in the course EC19503 - Digital Signal Processing and also mentioned to replace the text book on "Digital Signal Processing" by Ramesh Babu in references.
- Experts suggested to include John G. Proakis book, for the course EC19501- Analog and Digital Communication in references.
- Experts suggested to remove topics based on Patterning Processes - Photolithography, Etching, Smectic LCD Modes from Unit II and Inorganic Phosphors, AC Powder Electroluminescent Displays, Organic Electroluminescent Displays from Unit III of the professional elective course EC19253 - Display Technologies.
- Latest editions could be specified in text books and reference books for the syllabus discussed.

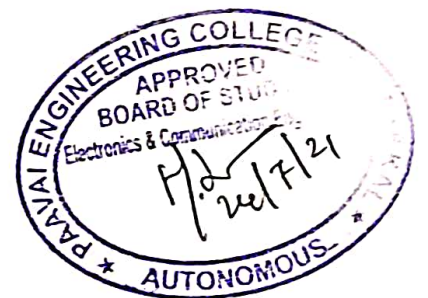


ME - Communication Systems

- PEN19101 - Research Methodology and IPR, first semester course from M.E - Communication Systems, its credit was changed from 2 to 3 along with modified syllabus and the same was ratified by the experts.
- They also suggested to conduct webinars and guest lectures using IPR officers for the PG course IPR.
- They insisted to include Teaching and Learning process in the title Pandemic Period Education for value added course and give references, links for the value-added courses.

The above suggestions were given by the members and they approved the syllabi for the 5th and 6th semester of 2019-20 admitted students, 3rd and 4th semester of 2020-2021 admitted students of Regulations 2019(CBCS), courses and syllabus offered for service departments, one credit courses, value added courses and panel of examiners.

Position in the committee	Chairman	University Nominee	Academic Expert 1	Academic Expert 2	Industry Expert	Alumunus
Name & Designation	Dr.M.Sudha Professor & Head, ECE	Dr.K.Malathi Professor, ECE Anna University	Dr.D.Sriram Kumar Professor, ECE	Dr. Kamalraj Subramaniam Professor & HoD BME	Mr.Pragadheeswa ran Venkat Director	Dr.K.Manoj Prabhakaran Assistant Professor
e-Signature						



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF EEE
MINUTES OF THE SEVENTH BOARD OF STUDIES MEETING
(ONLINE MODE)
28.07.2021 & 11.00 AM**

MEMBERS PRESENT

S.No	NAME & DESIGNATION	POSITION IN THE COMMITTEE	COLLEGE/ UNIVERSITY/INDUSTRY
1	Dr.G.Balaji , HoD & Professor	Chairman	Paavai Engineering College
2	Dr.R.P.Kumudhini Devi, Prof./EEE	University Nominee	Anna University, Chennai
3	Dr.V.Sankaranarayanan, ASP/EEE	Academic Expert 1	National Institute of Technology, Trichy
4	Dr.V.Velmurugan, ASP/EEE	Academic Expert 2	Centre for Nanotechnology Research, VIT University, Vellore
5	Mr.R.Kandasamy, Plant Engineer	Industry Expert	TNPL, Karur
6	Mr.M.Ramamoorthy, Project Engineer Level 2	Alumni	DRDO, Bangalore
7	Dr.K.Sundharamoorthy, Professor	Dean Academics	Paavai Engineering College
8	Dr.B.Murali Babu, Professor, COE	Members	Paavai Engineering College
9	Dr.A.Rathinam, ASP/EEE		
10	Dr.K.Jagatheesan, ASP/EEE		
11	Mrs.G.Umamaheswari, ASP/EEE		
12	Mrs.K.K.Poongodi ,ASP/EEE		
13	Mr.C.Arulkumar, ASP/EEE		
14	Mrs.S.Suganya, AP/EEE		

AGENDA

1. The Curriculum and syllabus for the 5th and 6th semester of Regulations 2019 CBCS (For the students admitted during the academic year 2019-2020).
2. The Curriculum and syllabus for the 3rd and 4th semester of Regulations 2019 CBCS (For the students admitted during the academic year 2020-2021).
3. Credit change for the courses (M.E Power Systems Engineering)
4. List of one credit and value-added courses.
5. Panel of examiners.



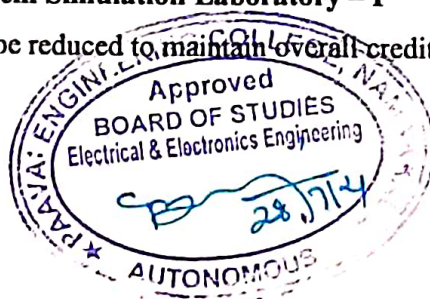
Suggestions by the members

UG Curriculum and Syllabi




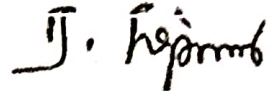

- **EE19502 – Power Electronics:**
 - ✓ Unit II title may be changed as gate drive and protection circuits.
- **EE19503 – Control Systems:**
 - ✓ M & N Circles contents may be removed from unit II.
 - ✓ Include S.Palani “Control Systems Engineering” as textbook.
- **EE19507 - Control Systems laboratory:**
 - ✓ Simulation based experiments may be removed and include hardware related experiments.
- **EE19505 – Power System Analysis:**
 - ✓ Modelling concepts may be included in all units.
 - ✓ Unit II contents position may be interchanged. Introduction followed by bus admittance matrix.
- **EE19602 - Electrical Drives:**
 - ✓ Course name may be Solid-State Drives.
- **EE19607 - Electrical Drives Laboratory:**
 - ✓ Programming concepts may be included.
- **EE19703 – Wind and Solar Energy Systems Simulation Laboratory:**
 - ✓ Remove the word simulation from the course name.
- **EE19152 – Nano Science:**
 - ✓ Syllabus content may be reframed.
- **EE19253 – Flexible AC Transmission Systems:**
 - ✓ Textbook may be changed as Narain G.Hingorani, “Understanding FACTS”.
- **EE19451 EHV AC and DC Transmission:**
 - ✓ Introduce Power System Transients instead of EHV AC and DC Transmission.
- **EE19902 – Basics of Power Systems:**
 - ✓ Insulation coordination contents may be removed from unit III.

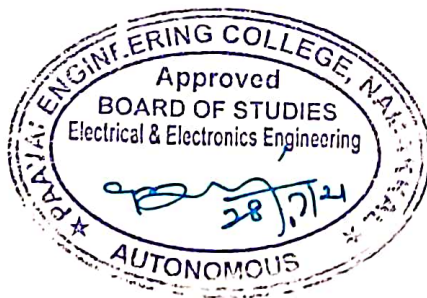
PG Curriculum and Syllabi


- **PEN20101- Research Methodology and IPR.**
 - ✓ Credit change approval have been given for the course
- **PPS20103- Power System Simulation Laboratory – I**
 - ✓ Lab credit may be reduced to maintain overall credit range.



The above suggestions were given by the members and approved the syllabi for the 5th and 6th semester of 2019-2020 admitted students (EEE, Mechanical, Mechatronics), 3rd and 4th semester of 2020-2021 admitted students (EEE) of Regulations 2019 (CBCS), one credit courses, value added courses and panel of examiners.

Position in the Committee	Name & Designation	e-Signature
University Nominee	Dr.R.P.Kumudhini Devi, Prof./EEE	
Academic Expert 1	Dr.V.Sankaranarayanan, ASP/EEE	
Academic Expert 2	Dr.V.Velmurugan, ASP/EEE	
Industry Expert	Mr.R.Kandasamy, Plant Engineer	
Alumni	Mr.M.Ramamoorthy, Project Engineer Level 2	



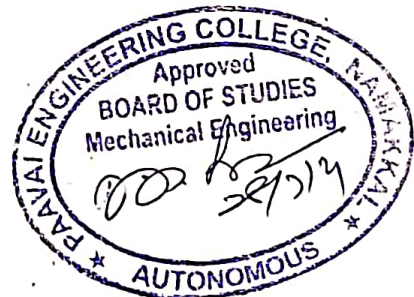

Dr.G.Balaji
Professor/Chairman – Bos(EEE)

PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF MECHANICAL ENGINEERING
MINUTES OF THE SEVENTH BOARD OF STUDIES MEETING
(ONLINE MODE)

DATE & TIME: 28.07.2021 & 10.30 AM

MEMBERS PRESENT

S.NO	NAME & DESIGNATION	POSITION IN COMMITTEE	COLLEGE / UNIVERSITY / INDUSTRY
1	Mr.A.P.Sivasubramaniam, HoD & Prof / Mech	Chairman	Paavai Engineering College.
2	Dr. K. Shanmuga Sundaram, Prof/ Mech	University Nominee	Department of Mechanical Engineering, Anna University, Chennai-600 025.
3	Dr.K.Jayabal, ASP/ Mech	Academic Expert	Department of Mechanical Engineering, IITDM, Kancheepuram-600127.
4	Dr.A.Vinoth Jebaraj, ASP/ Mech	Academic Expert	School of Mechanical Engineering, Design & Automation, VIT University; Vellore-632014.
5	Dr.M.Premkumar, Principal	Members	Paavai Engineering College
6	Dr.K.K.Ramasamy, Prof/ Mech		
7	Dr.K.Sundara Murthy, Dean - Academic		
8	Dr.V.Subburam, Prof/ Mech		
9	Dr.M.Makesh, Prof/ Mech		
10	Dr.S.Maniraj, ASP/ Mech		
11	Dr.K.Muruga Bhoopathy, General Manager	Industry Expert	SAIL, Salem.
12	Mr.R.Kavin Sakkaravarthy, Assistant Manager- Fabrication	Alumni	Ammega Belting India Private Ltd., Chennai



AGENDA

1. The Curriculum and syllabus for the 5th and 6th semester of Regulations 2019 (For the students admitted during the academic year 2019-2020)
2. The Curriculum and syllabus for the 3rd and 4th semester of Regulations 2019 (For the students admitted during the academic year 2020-2021)
3. List of one credit and value added courses
4. Panel of examiners

Suggestions by the members

5th SEMESTER

1. ME19501 POWER PLANT ENGINEERING

- Include plant life-cycle maintenance

2. ME19502 HEAT AND MASS TRANSFER

- Remove Holman J.P book in the text book.
- Bring Kothandaraman C.P book as first in the reference.
- In the text book section include one Indian author and one foreign author books.

3. ME19503 DYNAMICS OF MACHINERY

- Topics like 'D'Aleberts principle, inertia force, inertia torque may already be there in KOM. If overlapping these topic can be removed.
- 'Forced vibration caused by unbalance' can be termed as 'unbalanced forced vibration'.
- In unit 5, instead of all governors, only include one governor type for mechanism understanding purpose. FEA related analysis can be also added.
- Move Rattan, S.S book from text to second reference book.
- Include Mallick and Ghose book either in text or reference section.

4. ME19504 METROLOGY AND MEASUREMENTS

- In unit 1 add topics on ; i) Geometric and dimensioning- symbols ii) Introduction to tolerance analysis.
- In unit 5 add topic on '3D scanning for reverse Eng neering'.



5. ME19505 DESIGN OF MACHINE ELEMENTS

- In unit1 do not provide generalized topics like 'Theories of failure'. Instead give two specific titles like Theories of failure for ductile /brittle material.
- In unit 3 the topic 'welded joints subjected to bending, torsional and eccentric loads' can be replaced with 'welded joints subjected to combined loads'.
- Add the topic of riveted joints in unit 3. If it is heavy some contents from welding joints can be removed.
- In unit 4 add spring design for both static and dynamic loading.
- In unit 5 add the topic on 'causes and failures of bearing'. Instead of 'Sliding contact and rolling contact bearings' give rolling contact bearings first then Sliding contact bearing for better sequence of contents..

6. ME19506 DYNAMICS LABORATORY

- If possible add an experiment on 'Coriolis acceleration'

7. ME19507 METROLOGY AND MEASUREMENTS LABORATORY

- If possible Add an experiment on 'Surface roughness measurement' (Profilometer)

6th SEMESTER

8. ME19602 DESIGN OF TRANSMISSION SYSTEMS

- In unit1 give flat belt first followed by 'V' belt
- In unit 2 instead of 'Pressure angle in the normal and transverse plane' give virtual spur gear

9. ME19603 AUTOMOBILE ENGINEERING

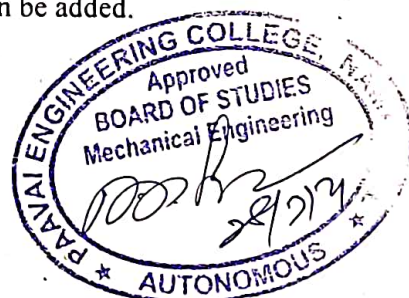
- A book on 'Electric and hybrid vehicles' by Iqbal Husain should be added in text or reference section.

10. ME19153 COMPOSITE MATERIALS

- In unit5 topics on 'Introduction to smart composites' and 'sandwich structures' can be added in suitable places.

11. ME19252 SMART MATERIALS

- In unit 2, the term 'Smart materials' can be replaced with 'Smart devices'.
- In unit 4 topic on 'two way shape memory effect' can be added.



12. ME19254 PROCESS PLANNING AND COST ESTIMATION

- A book by 'Boothroyd' should be added as it contains more case studies for cost estimation.

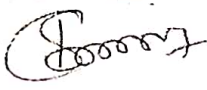
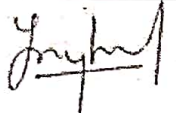
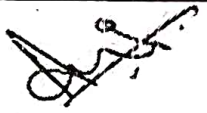
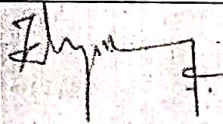

13. General Suggestion:

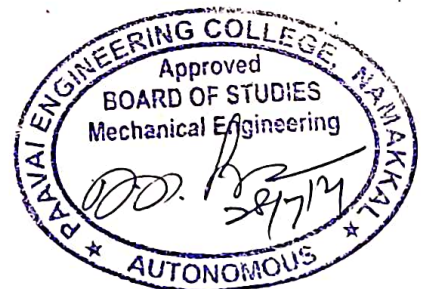
- Mechanical courses should be given four credits instead of mathematics courses.

14. In One Credit Courses- The course title 'Fluid Simulation' should be changed as ' Fluid flow simulation'

15. Bring 'Integrated Product and Process Development' in seventh or eighth semester. It is an important course for all branches.

The above suggestions were given by the members and approved the syllabi for the 5th and 6th semester of 2019-20 admitted students, 3rd and 4th semester of 2020-2021 admitted students of Regulations 2019(CBCS), one credit courses, value added courses and panel of examiners.

Position in the committee	University Nominee	Academic Expert	Academic Expert	Industry Expert	Alumni
Name & Designation	Dr. K. Shanmuga Sundaram, Prof/ Mech	Dr.K.Jayabai, AP/ Mech	Dr.A.Vinoth Jebaraj, ASP/ Mech	Dr.K.Muruga Bhoopathy, General Manager	Mr.R.Kavin Sakkaravarthy, Assistant Manager- Fabrication
e-Signature					



PAAVAI ENGINEERING COLLEGE

(Autonomous)

DEPARTMENT OF MECHATRONICS

Minutes of Seventh Board of Studies Meeting

Venue: Online mode through Microsoft Teams platform

Date and Time: 28.07.2021, 11.00 a.m.

Minutes of the Seventh Board of Studies meeting was held on July 28th at 11.00 a.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 1	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		



Chairman - BoS introduced the members of the Board of Studies.
Chairman - BoS briefed the members about the agenda.

Curriculum and Syllabus have been framed based on the suggestions given by the Syllabus Review Committee and Department Advisory Committee is being presented before the BOS for approval.

1. The Curriculum and syllabus for the 5th and 6th semester of Regulations 2019 (For the students admitted during the academic year 2019-2020).
2. The Curriculum and syllabus for the 3rd and 4th semester of Regulations 2019 (For the students admitted during the academic year 2020-2021).
3. List of one credit and value added courses.
4. Panel of Examiners.

The following are the suggestions given by the Members of Board of Studies.

III SEMESTER COURSES

1. Fluid Mechanics and Thermal Sciences

- The title of Unit I, "Introduction to Fluid and Fluid Motion" can be changed as "Fluid Properties and Fluid Statics" and add the content of Fluid Statics.
- Title and content of Unit V should be changed. The suggested title is "Heat Transfer (Qualitative Treatment Only)".
- The title of Unit III, "Dimensional Analysis" can be changed as "Fluid Kinematics and Fluid Dynamics".

V SEMESTER COURSES

1. Advanced Manufacturing Processes (Professional Elective – I)

- The title of Unit I, "Advanced Machining Processes" can be changed as "Machining Processes".
- The title of Unit II, "Electro Chemical Machining" can be changed as "Advanced Casting Processes".
- The title of Unit III, "Thermo Electrical Machining" can be changed as "Advanced Welding Processes".
- The title of Unit IV, "Laser Materials Processing" can be changed as "Advanced Metal Forming Processes".
- The title of Unit V, "Special Processing Technologies" can be changed as "Rapid Prototyping".



VI SEMESTER COURSES

1. PLC and Automation

- The title of Unit V, "Introduction to SCADA and DC" can be changed as "Distributed Control System".

2. Additive Manufacturing (Professional Elective – II)

- The title of Unit I, "Introduction" can be changed as "Introduction to Additive Manufacturing".
- In Unit I, add the content "Types of materials for AM".
- In Unit II, include the content "Topology Optimization, Lightweight Structure".
- In Unit III, include the content "Selective Laser Melting (SLM)".
- In Unit V, include the content "Direct Metal Deposition (DMD), Electron Beam Based Metal Deposition".

3. Engineering Economics and Cost Analysis (Professional Elective – II)

- In Unit I, include the content, "Concept of Just-in-Time production, Cost of Goods Sold (COGS) - Definition - Accounting methods - Cost of Revenue vs. COGS - Operating Expenses vs. COGS - Limitations of COGS".

VIII SEMESTER COURSES

1. Internal Combustion Engines (Professional Elective – V)

- The title of the course, "Internal Combustion Engines" can be changed as "Electric and Hybrid Vehicles".

The above suggestions were given by the members and approved the syllabi for the 5th and 6th semester of 2019-20 admitted students, 3rd and 4th semester of 2020-2021 admitted students of Regulations 2019 (CBCS), one credit courses, value added courses and panel of examiners.

HOD/MCT BoS (Chairman)



Position in the committee	Chairman	University Nominee	Academic Expert 1	Academic Expert 2	Industry Expert	Alumni
Name & Designation	Dr.D.R.P.Rajaratnam & HOD & Prof / MCT	Dr. C. Balamurugan & Associate Professor	Dr. K.Balaji & Assistant Professor (Sr.) Grade 1	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 BIOMEDICAL ENGINEERING

MINUTES OF THE FOURTH BOARD OF STUDIES MEETING

(ONLINE MODE)

DATE: 31.07.2021

TIME: 10.30 AM – 1.30 PM

MEMBERS PRESENT

S.NO	NAME & DESIGNATION	POSITION IN COMMITTEE	COLLEGE/UNIVERSITY/INDUSTRY
1.	DR. ARUN KUMAR.T PROF/BME	BoS CHAIRMAN	PAAVAI ENGINEERING COLLEGE
2.	DR. POONGUZHALLI.S ASP/MDE	UNIVERSITY NOMINEE	COLLEGE OF ENGINEERING-GUINDY, ANNA UNIVERSITY, CHENNAI.
3.	DR. JUDITH JUSTIN PROF/BME	ACADEMIC EXPERT 1	AVINASHILINGAM INSTITUTE FOR HOME SCIENCE AND HIGHER EDUCATION FOR WOMEN, COIMBATORE.
4.	DR. MANIMEGALAI. P ASP/BME	ACADEMIC EXPERT 2	KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES, COIMBATORE.
5.	MR. ANBUSELVAN. T GM SALES	INDUSTRY EXPERT	GE HEALTH CARE, CHENNAI.
6.	MS. ANCY CHRISTY.A AP/BME	MEMBER	PAAVAI ENGINEERING COLLEGE
7.	DR. PUSHPAVALLI.S ASP/MDE	MEMBER	PAAVAI ENGINEERING COLLEGE
8.	MR. BASKAR.K ASP/BME	MEMBER	PAAVAI ENGINEERING COLLEGE
9.	MR. BOOPATHI. D ASP/BME	MEMBER	PAAVAI ENGINEERING COLLEGE
10.	MR. MURUGESAN.D ASP/MDE	MEMBER	PAAVAI ENGINEERING COLLEGE
12.	MR. JOTHEESWARAN.S AP/BME	MEMBER	PAAVAI ENGINEERING COLLEGE
13.	MR. MANIVANNAN.P AP/BME	MEMBER	PAAVAI ENGINEERING COLLEGE
14.	MS. SENTHAMIL.S AP/MDE	MEMBER	PAAVAI ENGINEERING COLLEGE

AGENDA

1. The Curriculum and syllabus for the 7th and 8th semester of Regulations 2016(For the students admitted during the academic year 2016-2017).
2. The Curriculum and syllabus for the 5th and 6th semester of Regulations 2019(For the students admitted during the academic year 2019-2020).
3. The Curriculum and syllabus for the 3rd and 4th semester of Regulations 2019(For the students admitted during the academic year 2020-2021).
4. List of one credit and value-added courses.
5. Panel of examiners.

SUGGESTIONS BY THE MEMBERS

R 2016 - CURRICULUM & SYLLABUS:

PC - BM16701 - HUMAN ASSIST DEVICES

- In Unit 4, Functional Electrical Stimulator topic can be replaced with orthotic devices topics such as hip & knee replacements etc. Based on the the review, orthotic devices topics are included.
- Unit 4 & 5 can be reviewed based on robotics concepts from the book, “Medical devices and Human Engineering” of the author- “Bronzino”.
- Based on the review, robotic concepts in unit 4 & 5 are added.

PC - BM16702–MEDICAL IMAGE PROCESSING

- Biomedical applications, case studies should be included in every unit or every 2 units.

PC - BM16703 – BIO CONTROL SYSTEMS

- Controller concepts in unit 2 can be removed. Based on the review, controller concepts are removed.

PC – BM16704 – MEDICAL IMAGE PROCESSING LABORATORY

- Experiments related to wavelets can be included and experiments are suggested to perform under MATLAB and PYTHON software respectively.

PE – BM16351 –TISSUE ENGINEERING

- Case study concepts- artificial skin, artificial blood vessels, artificial pancreas from the book, “Tissue Engineering: Principles and Practices” of the author- “Bronzino” can be included in unit 5. Based on the review, case study concepts are included.

PE – BM16352 – REHABILITATION ENGINEERING

- Unit 2,3 can be revised based on volumetric analysis.
- 3 D biomedical models can be included in unit 4 or 5.
- Based on the review, topics are revised on volumetric analysis in unit 2, 3 and 3 D biomedical models are added in unit 4 or 5.

PE – BM16353 – DESIGN AND DEVELOPMENT OF MEDICAL DEVICES

- Basic topics can be replaced with advanced concepts in units 1 & 2.
- Unit 3 can be reviewed; concepts related to calibration, protocol regulations related to design of the product till reaching the market can be included. Unit 3 is revised based on the review.

PE – BM16354 – MEDICAL ETHICS STANDARDS AND SAFETY

- Units 3 & 4 can be reviewed based on volumetric analysis.
- Based on the review, unit 3, 4 got revised.

PE – BM16451 – BIOMETRIC SYSTEMS

- Reviewed and No changes.

PE – BM16452 – FUNDAMENTALS OF BIOMEDICAL NANOTECHNOLOGY

- Concepts such as protein engineering, nano robotics, tissue engineering can be added in unit 5. Based on the review, upgraded concepts are included in unit 5.

PE – BM16453 – ADVANCED HEALTHCARE SYSTEM DESIGN

- Title of the course can be named as “Digital Health Care”.

PE – BM16454 – ADVANCED MEDICAL IMAGING SYSTEMS

- Recent topics such as PET, SPECT and Proton therapy can be updated in unit 4 & 5.
- Basic topics such as fluoroscopy can be reviewed in unit 2. Based on the review, topics are updated.

PC – BM16705 – HOSPITAL TRAINING

- In Hospital Training Report, observation of equipments from different modality should be covered in terms of ethnic groups.
- Concepts such as biomedical engineer role in a hospital, sanitary guides to be followed in a hospital should be covered.
- SPM Hospital – Er. Sundaram, Head of Biomedical Department can be referred for hospital training.
- “Academic Sector” of GE HEALTH CARE provides online training (5-day program) which can be made accessible for students in pandemic conditions.

PC – BM16706 – PROJECT WORK PHASE I

- Structure of the project phase I shall be revised.

PC – BM16801 – HEALTHCARE AND HOSPITAL MANAGEMENT

- Asset management tools can be included in unit 1 & 2.

PE – BM16551 - ARTIFICIAL ORGANS AND IMPLANTS

- Textbook upgradation must be done.
- **Joon B Park**’s book named “**Biomaterials Science and Engineering**” need to be checked for update.

PE – BM16552 - EMBEDDED SYSTEMS AND IOT IN HEALTHCARE

- Coverage of topics in the prescribed textbooks has to be checked and reviewed.

PE – BM16553 - PHYSIOLOGICAL MODELING

- Repetitive concepts in unit 1 can be removed. Based on the review, lung model illustration concept in unit 1 was removed.

PE – BM16554 –ROBOTICS AND AUTOMATION IN MEDICINE

- Recent concepts such as ‘3D visualization of medical organs’ can be updated in unit 4 or 5.
- Unit 5 can be updated with cognitive applications. Based on the review, unit 4 & 5 are reviewed.

PE – BM16651 –VIRTUAL REALITY IN MEDICINE

- Unit 5 can be updated with concepts related to biomedical applications. Based on the review, unit 5 got revised.

PE – BM16652 –WEARABLE SYSTEMS

- Suggested to change the title of the course as “WEARABLE DEVICES”.

PE – BM16653 –QUALITY CONTROL IN BIOMEDICAL ENGINEERING

- In Unit 1, strategic quality planning must be reviewed.
- In Unit 5, regulatory bodies can be included and Equipments under class A & B and ISO regulation 9001 - 13485 shall be included.
- Based on the review, topics are included in unit 5.

PE – BM16654 –MEDICAL RADIATION SAFETY

- Concepts related to radiation monitoring & measurements, nuclear medicine - measuring devices can be updated in unit 4, 5.
- Devices related to radiation monitoring need to be reviewed. Based on the review, unit 4,5 got updated.

PC – BM16802 – PROJECT WORK PHASE II

- Structure of Project phase II shall be revised.

R 19 (19 – 20) - CURRICULUM & SYLLABUS:

PC – BM19505 – DIAGNOSTIC AND THERAPEUTIC EQUIPMENT I


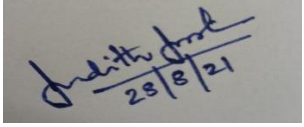


- Content of all the units can be revised. Based on the review, Units 1-5 contents are revised on volumetric aspect.

GENERAL DISCUSSIONS:

- Hospital Training, Project Phase I, Project Phase II, Bio Signal Processing Laboratory and Diagnostic and Therapeutic Equipment Laboratory – course objectives relevant to course outcomes are discussed and got approved respectively.

- Credits allocation has been discussed.
- One credit courses got discussed and approved.
- Value added courses are suggested for inclusion of certification along with grade sheets.
- Discussions regarding R 19 (19-20), R 19 (20-21) are made and clarified.

The above suggestions were given by the members and approved the syllabi for the 5th and 6th semester of 2019-20 admitted students, 3rd and 4th semester of 2020-2021 admitted students of Regulations 2019(CBCS), one credit courses, value added courses and panel of examiners.

Position in the committee	UNIVERSITY NOMINEE	ACADEMIC EXPERT 1	ACADEMIC EXPERT 2	INDUSTRY EXPERT
Name & Designation	DR. POONGUZHALLIS ASP/MDE	DR. JUDITH JUSTIN PROF/BME	DR. MANIMEGALAI. P ASP/BME	MR. ANBUSELVAN. T GM SALES
e-Signature				

PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

DEPARTMENT OF MEDICAL ELECTRONICS

MINUTES OF THE FOURTH BOARD OF STUDIES MEETING

(ONLINE MODE)

DATE & TIME 24.07.2021 & 2.30 PM

MEMBERS PRESENT

S.NO	NAME & DESIGNATION	POSITION IN COMMITTEE	COLLEGE/UNIVERSITY/INDUSTRY
1.	Dr. T. Arun Kumar & Professor and Head	Chairman	Paavai Engineering College
2.	Dr.M.Ganesh Madhan & Professor	University Nominee	MIT Campus , Anna University Chennai.
3.	Dr.V.G.Sangam & Professor	Academic Expert	Dayananda Sagar College of Engineering, Bengaluru
4.	Dr.K.J.Shanti & Professor	Academic Expert	Dr.Ambedkar Institute of Technology, Bengaluru
5.	Mr.S.Kumar & Professor	Industry Expert	TMI Systems, Bengaluru
6.	Dr.K.Baskar & Assistant Professor	Member	Paavai Engineering College
7.	Ms.C.Ancy Christy & Assistant Professor	Member	Paavai Engineering College
8.	Mr.P.Manivannan & Assistant Professor	Member	Paavai Engineering College
9.	Mr.C.Murugesan & Assistant Professor	Member	Paavai Engineering College



AGENDA

1. The Curriculum and syllabus for the 7th and 8th semester of Regulations 2016 (For the students admitted during the academic year 2018-19)
2. The Curriculum and syllabus for the 5th and 6th semester of Regulations 2019(For the students admitted during the academic year 2019-2020)
3. The Curriculum and syllabus for the 3rd and 4th semester of Regulations 2019(For the students admitted during the academic year 2020-2021)
4. List of one credit and value added courses
5. Panel of examiners

SUGGESTIONS BY THE MEMBERS

R 2016 - CURRICULUM & SYLLABUS:

PC - MD16701 - HUMAN ASSIST DEVICES

- In unit 5, more topics related to recent trends should be included

PC - MD16702 - MEDICAL IMAGE PROCESSING

- Biomedical applications in every unit need to be included

PC – MD16703 – HEALTHCARE AND HOSPITAL MANAGEMENT

- ISO code should be included in Unit III

PC – MD16704 – MEDICAL IMAGE PROCESSING LABORATORY

- 12 experiments based on the specific topics need to be included

PE – MD16351 - MEDICAL DEVICE REGULATION

- Can be swapped with **MD16703 – HEALTHCARE AND HOSPITAL MANAGEMENT** as **Professional Core**.
- Unit 4 topic – standard can be reviewed.

PE – MD16352- REHABILITATION ENGINEERING

- Rehabilitation engineering book by Sundar must be included.
- Course Outcomes need to be reframed.

PE – MD16452 – ADVANCED MEDICAL INSTRUMENTATION



- The above course could be an open elective
- Fundamental topics in all units must be removed.
- Topics related to construction of bio signals via software such as python can be included in Unit IV
- Textbook upgradation must be done.

PE – MD16552 – BODY AREA NETWORK

- IoT concepts can be integrated in unit V.
- In Unit II ‘PCB Antenna’ topic can be replaced with ‘Flexible Antenna’

R 19 (20 -21) - CURRICULUM & SYLLABUS:

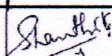
PC – MD20304 - DIGITAL DESIGN AND HDL

- Unit 4 topics–‘Circuit implementation’, ‘Design of Moore, Mealy Model’ are included
- Unit 4 topics can be reviewed in sequence manner.

GENERAL DISCUSSIONS:

- Hospital Training, Project-Phase I, Project-Phase II, Bio-signal Processing Laboratory and Diagnostic and Therapeutic Equipment Laboratory – Course objectives and Course outcomes should be framed accordingly.
- Credits allocation has been discussed.
- Eight one credit courses are discussed and approved.

The above suggestions were given by the members and approved the syllabi for the 7th and 8th sem of Regulation 2016, 5th and 6th semester of 2019-20 admitted students, 3rd and 4th semester of 2020-2021 admitted students of Regulations 2019 (CBCS), one credit courses, value added courses and panel of examiners.

Position in the committee	Chairman	University Nominee	Academic Expert	Academic Expert	Industry Expert
Name & Designation	Dr.T.Arun Kumar & Professor	Dr.M.Ganesh Madhan & Professor	Dr.V.G.Sangam & Professor	Dr.K.J.Shanti & Professor	Mr.S.Kumar & TMI Systems, Bengaluru
e-Signature		 <small>Dr. M. GANESH MADHAN Professor Department of Electronic Engineering Anna University - Chennai Chromepet, Chennai - 600 044</small>	 <small>(Dr. V. G. Sangam)</small>		



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF CYBER SECURITY
MINUTES OF THE SECOND BOARD OF STUDIES MEETING
(ONLINE MODE)**

DATE & TIME: 08.08.2021 & Time: 11:00 A.M

Dr.D.Banumathy, Chairman / BOS, welcomed all the External and Internal Members to the 2nd Board of Studies meeting.

MEMBERS PRESENT

S.NO.	NAME & DESIGNATION	POSITION IN COMMITTEE	COLLEGE/UNIVERSITY/INDUSTRY
1	Dr.D.Banumathy, Professor & Head	Chairman	Paavai Engineering College
2	Dr.H.Khanna Nehemiah Professor	Nominee	Anna University, Chennai.
3	Dr.M.B.Mukesh Krishnan, Associate Professor/CSE	Academic Expert	SRM Institute of Science and Technology, Kattankulathur
4	Dr.M.Sethumadhavan, Associate Professor/CSE	Academic Expert	Amrita School of Engineering, Coimbatore.
5	Mr.Santhosh Kumar Ramachandran	Industry Expert	Infosys, Chennai
6	Mr.Dinesh Kumar	Alumni	Fujitsu General India Pvt Ltd, Chennai
7	Dr.K.Sundaramoorthy, Dean-Academics	Member	Paavai Engineering College
8	Dr.N.Magendiran, Prof. /CSE	Member	Paavai Engineering College
9	Mrs.P.Renukadevi,ASP/CSE	Member	Paavai Engineering College
10	Mrs.Velumani,ASP/CSE	Member	Paavai Engineering College
11	Mr.S.Sivaganesh,AP/CSE	Member	Paavai Engineering College
12	Dr.P.Nandhini,AP/CSE	Member	Paavai Engineering College
13	Mrs.M.Revathi,AP/CSE	Member	Paavai Engineering College

AGENDA

- Curriculum for the students admitted in the academic year 2020-2021 (R-19)
- Syllabi of 3rd and 4th semester - UG

- Any other items relevant to the board of studies.

The members of the board suggested the following changes in the curriculum and Syllabi of B.E – CYBER SECURITY REGULATIONS 2019, (For the candidates admitted during the academic year 2020-2021) and the changes were incorporated as per the suggestions:

III SEMESTER

- The committee recommended to change the course CY20302-Introduction to Cyber Threats to Introduction to Cyber Space Operations and Design.
- CY20303- Computer Network, committee insisted to prepone to III semester from IV semester and also they recommended to reframe the course concepts.

IV SEMESTER

- Committee advised to shift the Computer Architecture and Microprocessor courses from III semester to IV semester.

V SEMESTER

- The committee recommended to alter the course title as CY20502-Digital Forensics instead of Cyber Crime Investigations and Digital Forensics.
- It is recommend to reposition the CY20553-Biometrics and Security from Professional Core to Professional Elective V.
- CY20505-Database Security, it's recommended to relocate from Professional Elective V to Professional core.

VI SEMESTER

- CY20603-Penetration Testing and Vulnerability Assessment, Expert suggested to relocate from Professional Elective V to Professional core.
- CY20154-Cyber Warfare, the committee suggested to remove this course from curriculum.

RECOMMENDATION FOR INTRODUCING NEW COURSES

- It's suggested to introduce the course CY20552-Reverse engineering course to enhance the student's knowledge.
- Cy20554 Block chain Technology course is newly introduced to enhance the Student's knowledge in recent applications.
- The committee proposed to introduce CY20651-Criminal Psychology as Professional Elective Course.

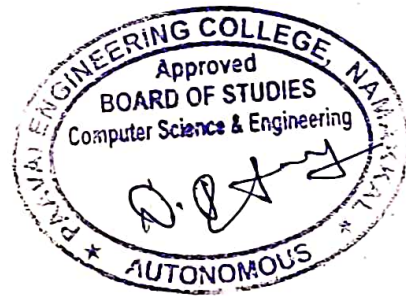
VALUE ADDED COURSES

- 20CYVC301-Machine Learning and Python, the committee suggested to remove this course from Value Added Course.

ONE CREDIT COURSE

- The committee strongly recommended to introduce the certification course in Ethical Hacking in order to enhance the knowledge of students.

The above suggestions were given by the members and approved the curriculum and syllabi for the 3rd and 4th semester of 2020-21 admitted students of Regulations 2019(CBCS), one credit courses, value added courses and panel of examiners.



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF CHEMICAL ENGINEERING
MINUTES OF THE SEVENTH BOARD OF STUDIES MEETING
(ONLINE MODE)
29.07.2021 & 2.00 PM

MEMBERS PRESENT

S. NO	NAME & DESIGNATION	POSITION IN COMMITTEE	COLLEGE/UNIVERSITY/INDUSTRY
1.	Dr. G. Srinivasan HOD / Chemical Engineering	Chairman	Paavai Engineering College
2.	Dr. K.V. Radha Professor / Chemical Engineering	University Nominee	Anna University, Chennai
3.	Dr. N. Anandharaman Visiting Faculty / Chemical Engineering	Academic Expert	NIT, Trichy
4.	Dr. N. Selvaraju Associate Professor / Biosciences & Bioengineering	Academic Expert	IIT, Guwhati
5.	Mr. S. Saravanan CEO	Industrial Expert	Enviro Teech Pvt.Ltd, Tirupur
6.	Mr. R. Jegan Trainee Engineer	Alumni	Sai life Science Pvt.Ltd, Hyderabad
7.	Dr. Dr. K. Sundramoorthy Dean Academics	Academic Expert	Paavai Engineering College
8.	Mr. D. Dhanaraja AP/Chemical	Member	

9.	Dr. K. Gopi AP/Chemistry	Member	Paavai Engineering College
10.	Ms. C. Manisha AP/ Chemical	Member	
11.	Dr. Shanthi Prof & Head /English	Member	
12.	Dr. Raja Ganesan Prof & Head /Chemistry	Member	
13.	Dr. G. Balaji Prof & Head /EEE	Member	

AGENDA

1. The Curriculum and syllabus for the 5th and 6th semester of Regulations 2019 (For the students admitted during the academic year 2019-2020)
2. The Curriculum and syllabus for the 3rd and 4th semester of Regulations 2019 (For the students admitted during the academic year 2020-2021)
3. List of one credit and value added courses
4. Panel of examiners

Suggestions by the members for Regulations 2019

5th Semester:

- For CM19501 - Process Instrumentation, Chemical Process Control by George Stephanopoulos should be included in reference book
- The unit II and unit III topics and contents of Absorption and Distillation in CM19502 - Mass Transfer- I can be changed related to Humidification and Drying
- Course name of CM19503 - Chemical Thermodynamics should to be changed to Chemical Engineering Thermodynamics and Chemical Engineering Thermodynamics by YVC Rao should be included in the reference books.


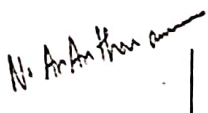


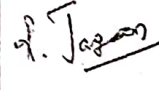
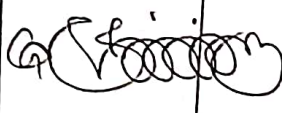
6th Semester:

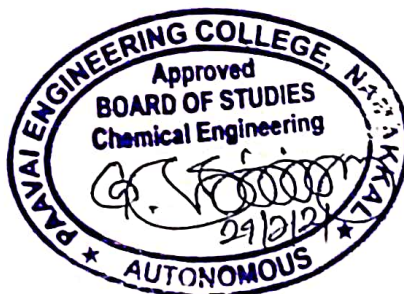
- CM19601 - Process Technology and Economics can be given as separate course
- Non-Isothermal Reactor can be included in Unit- III of CM19602 - Chemical Reaction Engineering
- Mass Transfer by Treybal should be textbook for CM19603 - Mass Transfer II

Electives:

- Course name of Process Industries Management and IPR may be changed to Chemical Industries Management and IPR
- Industry persons can be invited to give guest lecture for Pulp and Paper Technology course
- Course name of CM19154 - Fundamentals of Nano Science can be changed to Nanomaterials - Synthesis, Characterization and Application
- CM19254 - Nanoscience and Nanotechnology course can be replaced by Material Technology

The above suggestions were given by the members and approved the syllabi for the 5th and 6th semester of 2019-20 admitted students, 3rd and 4th semester of 2020-2021 admitted students of Regulations 2019 (CBCS), one credit courses, value added courses and panel of examiners.

Position in the committee	University Nominee	Academic Expert	Academic Expert	Industrial Expert	Alumni	Chairman
Name & Designation	Dr. K.V. Radha Professor / Chemical Engineering	Dr. N. Anandharaman Visiting Faculty / Chemical Engineering	Dr. N. Selvaraju Associate Professor / Biosciences & Bioengineering	Mr. S. Saravanan CEO	Mr. R. Jegan Trainee Engineer	Dr. G. Srinivasan HOD / Chemical Engineering
E-Signature						



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF INFORMATION TECHNOLOGY
MINUTES OF THE SEVENTH BOARD OF STUDIES MEETING
(ONLINE MODE)

DATE & TIME: 28-7-2021 @ 1.30 PM

MEMBERS PRESENT

S.NO	NAME & DESIGNATION	POSITION IN COMMITTEE	COLLEGE/UNIVERSITY /INDUSTRY
1	Mr.B.Venkatesan HOD & Associate Professor / IT	Chairman	Paavai Engineering College
2	Dr.P.Yogesh Professor /IT	University Nominee	College of Engineering (CEG Campus), Anna University, Chennai
3	Dr. P.Karthikeyan Assistant Professor	Academic Expert	Jain Deemed to be University, Bangalore
4	Dr.N.Jaisankar Professor / CSE	Academic Expert	VIT University, Vellore.
5	Mr.VelmuruganPalanivel Senior Software Engineer	Industry Expert	Robert Bosch, Coimbatore.
6	Mr P Naveen Assistant Professor/CSE	Alumni	St.Joseph's College of Engineering, Chennai.
7	Dr.G.Madasamy Raja Associate Professor	Member	Paavai Engineering College
8	Mr.S.Rajesh Associate Professor	Member	Paavai Engineering College
9	Mrs.M.Pushpalatha Associate Professor	Member	Paavai Engineering College



10	Dr.P.Thiyagarajan Assistant Professor (Senior Grade)	Member	Paavai Engineering College
11	Mrs.M.Babylatha Assistant Professor	Member	Paavai Engineering College
12	Mr.R.Deenadhayalan Assistant Professor	Member	Paavai Engineering College
13	Mr.S.Sakthivel Assistant Professor	Member	Paavai Engineering College
14	Mrs.P.Anitha Assistant Professor	Member	Paavai Engineering College
15	Mrs.B.Deepa Assistant Professor	Member	Paavai Engineering College

AGENDA

1. The Curriculum and syllabus for the 5th and 6th semester of Regulations 2019
(For the students admitted during the academic year 2019-2020)
2. The Curriculum and syllabus for the 3rd and 4th semester of Regulations 2019
(For the students admitted during the academic year 2020-2021)
3. List of one credit ,service department Papers and value added courses
4. Panel of examiners

SUGGESTIONS GIVEN BY THE MEMBERS

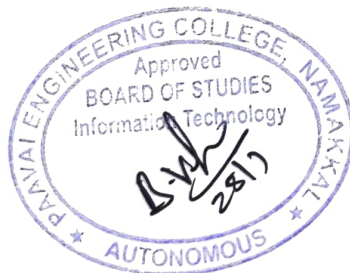
In Regulations 2019 -Choice Based Credit System [CBCS] as follows,

IT19501/IT19256-Computer Communication Networks

- Experts suggested to include the subtopics such as unicast routing, multicast routing in Unit-III and TCP: Connection establishment and release in Unit-IV.

IT19502-Database Management Systems

- The fourth unit name can be changed as “Storage Management”.



IT19503/ IT19355-Artificial Intelligence

- Experts suggested to rename the title of Unit-IV “Planning and Expert Systems” and Unit-V “AI Applications” and also suggested to include the content in Unit-IV-Expert Systems and Unit-V-AI Application.

IT19505-Computer Networks Laboratory

- The members suggested to use tools such as CISCO Packet Tracer, Wire shark in Computer networks laboratory.

IT19506-Database management systems laboratory

- The members suggested to include the experiment PL/SQL Block .

IT19601-Mobile Computing

- The members suggested to reframe the Mobile Pervasive Computing Course with the “IT19601 - Mobile Computing” course and include the units-Mobile Telecommunication System, Mobile Internet Protocol and Transport Layer, Wireless ad-hoc Networks, Mobile Platforms and Applications.

IT19602- Internet of Things

- The board suggested to remove the second unit “Python” and Suggested to include the second unit “Developing Internet of Things”.

The above suggestions were given by the members and approved the syllabi for the 5th and 6th semester of 2019-20 admitted students.

The members discussed and approved the syllabi for the 3rd and 4th semester of 2020-2021 admitted students of Regulations 2019(CBCS), service department courses, one credit courses, value added courses and panel of examiners.








Chairman

Mr. B.Venkatesan

HoD and Associate Professor/ IT



Position in the committee	Name & Designation	e-Signature
University Nominee	Dr.P.Yogesh Professor /IT	
Academic Expert 1	Dr. P.Karthikeyan Assistant Professor	
Academic Expert 2	Dr.N.Jaisankar Professor / CSE	
Industry Expert	Mr.VelmuruganPalanivel Senior Software Engineer	
Alumunus	Mr P Naveen Assistant Professor/CSE	



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF FOOD TECHNOLOGY
MINUTES OF THE FOURTH BOARD OF STUDIES MEETING
(ONLINE MODE)
31.07.2021 & 2.00 PM

MEMBERS PRESENT

S.NO	NAME & DESIGNATION	POSITION IN COMMITTEE	COLLEGE/UNIVERSITY/INDUSTRY
1.	Mr. R. Balasubramani ASP and Head (In-charge) / Food Technology	Chairman	Paavai Engineering College
2.	Dr. B. S. Lakshmi, Professor, Department of Biotechnology	University Nominee	Anna University, Chennai
3.	Dr. Jaganmohan, Professor and Head	Academic Expert	IIFPT, Thanjavur
4.	Dr. J. Prakashmaran, Associate Professor, Department of Food and Nutrition	Academic Expert	Periyar University, Salem
5.	Mr. C. Manimaran, Managing Director	Industrial Expert	Fibro Foods Private Ltd., Salem
6.	Mr. S. Gowtham Kumar, AP/Food tech	Member	Paavai Engineering College
7.	Mr. M.D.S. Rajaruban, AP/Food Tech	Member	
8.	Ms. R. Rajeswari, AP/Food Tech	Member	
9.	Dr. G. Srinivasan Prof & Head / Chemical	Member	
10.	Dr. R. Praveen Cumar HOD/ Pharmaceutical Technology	Member	
11.	Mr. D. Dhanaraja AP/ Chemical	Member	
12.	Mr. M.G. Karthih, AP/ Pharmaceutical Tech	Member	

13.	Dr. Shanthi Prof & Head /English	Member	Paavai Engineering College
14.	Dr. Raja Ganesan Prof & Head /Chemistry	Member	
15.	Dr. G. Balaji Prof & Head /EEE	Member	

AGENDA

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3. The Curriculum and syllabus for the 3rd and 4th semester of Regulations 2019 (For the students admitted in the academic year 2020-2021 onwards)
4. List of one credit and value added courses
5. Panel of examiners

Suggestions by the members

R-2019 (For the students admitted during the academic year 2019-2020)

V SEMESTER

- FT19152-Food Fermentation Technology (Include concepts of enzymes and its kinetics in unit I & II)

VI SEMESTER

- FT19602- Food Packaging Technology change to Packaging Technology
- FT19605-Baking and Confectionery Technology Lab (Sensory evaluation can be added in the experiments)
- FT19254-Research Methodology (name can be changed to Operational Research)
- FT19901-Fundamentals of Food Processing (Unit 1 should be Introduction)

R- 2019 (For the students admitted in the academic year 2020-2021 onwards)

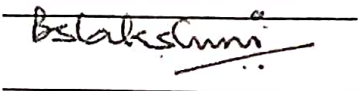
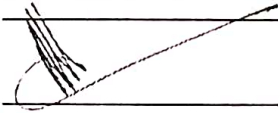

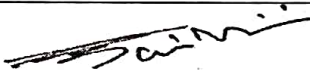

III SEMESTER

- FT20301- Chemical Engineering Thermodynamics should be changed to Thermodynamics in Food Process Industries

IV SEMESTER

- FT20401-Heat and Mass Transfer in Food Process, a unit of radiation can be added and the final 2 units can be framed according to mass transfer.

The above suggestions were given by the members and approved the syllabi for the 7th and 8th Semester of 2018-2019 admitted students of Regulations 2016 (CBCS), 5th and 6th semester of 2019-20 admitted students, 3rd and 4th semester of 2020-2021 admitted students of Regulations 2019 (CBCS), one credit courses, value added courses and panel of examiners.

Position in the committee	Name & Designation	e-Signature
University Nominee	Dr. B. S. Lakshmi, Professor	
Academic Expert	Dr. Jaganmohan, Professor and Head	
Academic Expert	Dr. J. Prakashmaran, Associate Professor	
Industrial Expert	Mr. C. Manimaran, Managing Director	
Chairman	Mr. R. Balasubramani Associate Professor and Head in-charge	



PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY
MINUTES OF THE FOURTH BOARD OF STUDIES MEETING
(ONLINE MODE)
28.07.2021 & 2.00 PM

MEMBERS PRESENT

S.NO	NAME & DESIGNATION	POSITION IN COMMITTEE	COLLEGE/UNIVERSITY/INDUSTRY
1.	Dr. R. Praveen Cumar HOD/ Pharmaceutical Technology	Chairman	Paavai Engineering College
2.	Dr. A. Puratchikody Professor & Head Pharmaceutical Technology	University Nominee	Anna University, Trichy
3.	Dr. V. Sivakumar Associate Professor, Department of Chemical Engineering	Academic Expert	AC Tech, Chennai.
4.	Dr. N. Kannappan Professor, Department of Pharmacy	Academic Expert	Annamalai University
5.	Mr. G. Karthick General Manager	Industrial Expert	Global Calcium pvt. ltd Hosur
6.	Dr. K. Sundramoorthy Dean academics	Academic Expert	Paavai Engineering College
7.	Mr. M. G. Karthih AP/Pharmaceutical Tech	Member	
8.	Mr. M. Ponmanian AP/Pharmaceutical Tech	Member	
9.	Dr. G. Srinivasan Prof & Head / Chemical	Member	
10.	Mr. R. Balasubramani ASP/Food Tech	Member	
11.	Mr. D. Dhanaraja AP/ Chemical	Member	

12.	Dr. Shanthy Prof & Head /English	Member	
13.	Dr. Raja Ganesan Prof & Head /Chemistry	Member	
14.	Dr. G. Balaji Prof & Head /EEE	Member	

AGENDA

1. The Curriculum and syllabus for the 7th and 8th semester of Regulations 2016 (For the students admitted during the academic year 2018-2019)
2. The Curriculum and syllabus for the 5th and 6th semester of Regulations 2019 (For the students admitted during the academic year 2019-2020)
3. The Curriculum and syllabus for the 3rd and 4th semester of Regulations 2019 (For the students admitted during the academic year 2020-2021 onwards)
4. List of one credit and value-added courses
5. Panel of examiners

Suggestions by the members

R-2016 (For the students admitted during the academic year 2018-2019)

VII SEMESTER

PT16904 - Introduction of Pharmaceutical Technology

- Unit II along with medicinal chemistry it was suggested to include the fine chemical and bulk drugs related topics Unit V it was suggested to include pharmaceutical industry and separation process related topics along with unit operation

R-2019 (For the students admitted during the academic year 2019-2020)

V SEMESTER

PT19501 – IPR in Pharmaceutical Industry

- Unit III it was suggested to include few more IPR related topics and unit IV it was suggested to include Drugs and cosmetic act

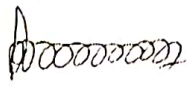

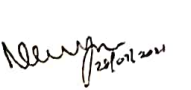


R-2019 (For the students admitted during the academic year 2020-2021 onwards)

III SEMESTER

PT20302 - Fundamentals of Biochemistry & Microbiology

- Course name of Essential of Biochemistry & Microbiology may be changed as “Fundamentals of Biochemistry & Microbiology”
- Board members recommended to change the Unit IV title Molecular Systemic as Molecular systems in Fundamentals of Biochemistry & Microbiology course.
- Committee members suggested to include HOD in the panel for question paper scrutiny

The above suggestions were given by the members and approved the syllabi for the 7th and 8th Semester of 2018-2019 admitted students of Regulations 2016 (CBCS), 5th and 6th semester of 2019-20 admitted students, 3rd and 4th semester of 2020-2021 admitted students of Regulations 2019 (CBCS), one credit courses, value added courses and panel of examiners.

Position in the committee	University Nominee	Academic Expert	Academic Expert	Industrial Expert	Chairman
Name & Designation	Dr. A. Puratchikody Professor & Head / Pharmaceutical Technology	Dr. V. Sivakumar Associate Professor, Department of Chemical Engineering	Dr. N. Kannappan Professor, Department of Pharmacy	Mr. G. Karthick General Manager	Dr. R. Praveen Cumar HOD/ Pharmaceutical Technology
e-Signature					



**PAAVAI ENGINEERING COLLEGE (Autonomous)
Pachal, Namakkal-637018**

DEPARTMENT OF ENGLISH

MINUTES OF THE SEVENTH BOARD OF STUDIES MEETING

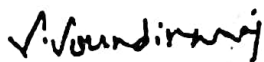
Venue: English Communications Skills Laboratory

Date and Time: 27.07.2021 & 2.00 p.m.

1. The Board Chairman Dr.R.Shanthi welcomed Director Admin, The Principal, Dean Academics, Dr.S.Soundiraraj, Associate Professor, Department of English, Anna University, Chennai and Dr. Michael Raj, Assistant Prof (S.G), SRM Institute of Science and Technology, Department of English & Foreign Languages, Chennai, heads of various departments and faculty members. The revised syllabus for the forthcoming year was introduced online via Microsoft teams.
2. The University nominee Dr.S.Soundiraraj, and the Academic Expert Dr.J.Michael Raj, Assistant Prof (S.G), SRM Institute of Science and Technology, Department of English & Foreign Languages gave the following suggestions.
3. The introduction of Open Electives, Personality Development and Journalism, Mass media, CDL Lab syllabus were approved.
4. In Journalism and Mass media the experts recommended certain changes in course objectives and outcomes. And also a change in the Unit 5 title 'Miscellaneous' was suggested.
5. In Personality Development syllabus, the course outcome was suggested to be changed as realise the importance of Digital Technology instead of realise the role of technology.
6. Value Added course Verbal Communication and Effective Communication was approved by the Board.



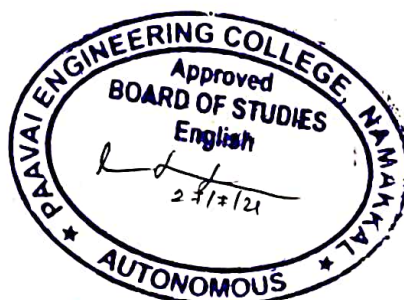
Board Chairman



University Nominee



Academic Expert



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

DEPARTMENT OF PHYSICS

MINUTES OF THE SEVENTH BOARD OF STUDIES MEETING

(ONLINE MODE)

DATE & TIME: 31.07.2021 & 11.00 a.m.

MEMBERS PRESENT

S.NO	NAME & DESIGNATION	POSITION IN COMMITTEE	COLLEGE/UNIVERSITY/INDUSTRY
1.	Dr.S.Vadivel HoD & Professor	Chairman	Paavai Engineering College
2.	Dr.G.Kalpna Professor / Physics	University Nominee	GCE, Chennai
3.	Dr.A.Karthigeyan Professor / Physics and Nanotechnology	Academic Expert	SRM Institute of Science and Technology Kanchipuram
4.	Dr.P.Rosaih Professor / Physics	Member	Paavai Engineering College
5.	Mrs.S.Kavitha Associate Prof/ Physics	Member	Paavai Engineering College
6.	Mrs.C.Barathi Associate Prof / Physics	Member	Paavai Engineering College
7.	Mr.R.Dhananchezian Assistant Professor / Physics	Member	Paavai Engineering College
8.	Mr.P.Suresh Assistant Professor / Physics	Member	Paavai Engineering College
9.	Mrs.P.Divya Assistant Professor / Physics	Member	Paavai Engineering College

AGENDA

1. The syllabus for the Ph.D. Programme of Regulations 2019
2. List of one credit and value added courses for the Regulations 2019(CBCS)
3. Panel of examiners

Suggestions by the members

The course objectives and outcomes have to be reframed for all one credit courses, value added courses and Ph.D. programme courses work.

One Credit Courses

PH20951 Biosensors – One Credit Course

- Unit -II title should be changed in fabrication of biosensor and their characteristics instead of preparation of biosensors.
- The topics different types of biosensors like Optical-detection biosensor, thermal-detection biosensor, electrochemical biosensor, gravimetric and acoustics should be included in Unit-II.

PH20952 Materials for Renewable Energy Conversion– One Credit Course

- The unit-III should be materials for Fuel cells and the syllabus content should be according to the title.

Solar Photovoltaic – Value added Course

- Photovoltaic systems, Photovoltaic efficiency and module should be Unit-III & Unit-IV and the syllabus content should be framed accordingly.


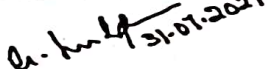
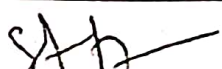
PHR2015 Solar Photovoltaic System– Ph.D. Programme Course work

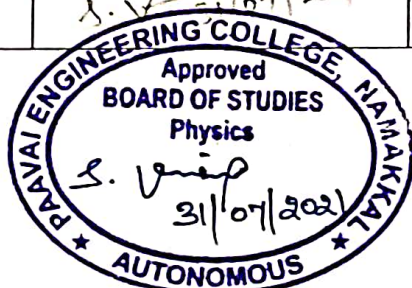
- The topics fundamental of semiconductor physics and operating principle should be included in unit-I.

PHR2016 Electrochemical Energy Storage Systems– Ph.D. Programme Course work

- The topics Primary and Secondary cells, Chemistry and materials used for various components (electrodes, electrolytes, separator and binders) included in unit I.
- The topics types of supercapacitors included in unit-IV.
- The Unit-V topics should be electrochemical analysis techniques instead of fuel cell and the syllabus content should be according to the title.

The above suggestions were given by the members and approved the syllabi for the Regulations 2019 (CBCS), Ph.D. programme, one credit courses, value added courses and panel of examiners.

Position in the committee	Chairman	University Nominee	Academic Expert
Name & Designation	Dr.S.Vadivel HoD & Professor	Dr.G.Kalpna Professor / Physics	Dr.A.Karthigeyan Professor / Head i/c Physics and Nanotechnology
e-Signature			



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)**

DEPARTMENT OF MATHEMATICS

**MINUTES OF THE SIXTH BOARD OF STUDIES MEETING
(ONLINE MODE)**

DATE: 14.08.2021

TIME: 11.00AM

MEMBERS PRESENT

S. NO	NAME & DESIGNATION	POSITION IN COMMITTEE	COLLEGE/UNIVERSITY
1	Dr. P. Jayakumar	Professor & Head	Paavai Engineering College
2	Dr. P. Vimala	Professor	Anna university, Chennai
3	Dr. G. Murugusundaramoorthy	Professor	VIT University, Vellore
4	Dr. B.KishokKumar	Professor	Paavai Engineering College
5	Mrs.K. Uma	Assistant Professor	Paavai Engineering College
6	Dr.M. Sathish kumar	Associate Professor	Paavai Engineering College
7	Mrs. R.Pradeepa	Assistant Professor	Paavai Engineering College
8	Mrs. C.Manjula	Associate Professor	Paavai Engineering College
9	Mrs. M. Sathiya	Assistant Professor	Paavai Engineering College
10	Mr.R.Rajeshkumar	Assistant Professor	Paavai Engineering College
11	Mr. A.Henry	Assistant Professor	Paavai Engineering College
12	Miss.R. Aishwarya	Assistant Professor	Paavai Engineering College
13	Mrs. D. Seethalakshmi	Assistant Professor	Paavai Engineering College
14	Miss. M. Nandhinipriya	Assistant Professor	Paavai Engineering College

AGENDA:

1. To discuss about the one credit and open elective courses and its syllabus for the Regulations 2019(CBCS).
2. To discuss value added courses and its syllabus for the Regulations 2019(CBCS).
3. To discuss career development laboratory for the Regulations 2019(CBCS).
4. Panel of examiners.

Suggestions by the members:

- **Open elective courses**


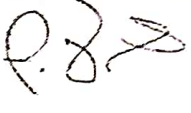

- 1. MA20901-Operations Research**

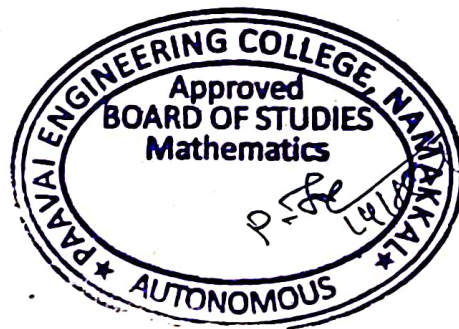
- *Appropriate Learning objectives.*
- *Unit V - Queueing Theory and Replacement Models – Include types of models in Single and multi-channel models*
- *In reference book, use full form of publisher name instead of abbreviation ('Prentice Hall of India' instead of PHI).*

2.MA20902 - Graph Theory-In reference book, use full form of publisher name instead of abbreviation ('Prentice Hall of India' and "Tata McGraw Hill" instead of PHI and TMH respectively).

- One credit courses-MA19951/MA20951- Decision Theory, Decision Tree and Theory of Games and MA19952/MA20952- Project Management–Typical error in LTPC should be avoided
- Value added courses-Aptitude- I &Aptitude –II- No changes.
- EN19501/EN20501-Career Development Laboratory-I, EN19601/EN20601 - Career Development Laboratory-II- No changes

The above suggestions were given by the members and approved the syllabi for the 1st and 2nd semester of 2021-22 admitted students, 3rd and 4th semester of 2020-2021 admitted students of Regulations 2019(CBCS), one credit courses, value added courses and panel of examiners.

Position in the committee	Dr. P. Jayakumar	Dr. P. Vimala	Dr. G. Murugusundaramoorthy
Name & Designation	Professor & Head	Professor	Professor
e-Signature			



PAAVAI ENGINEERING COLLEGE

(AUTONOMOUS)

MINUTES OF THE SIXTH BOARD OF STUDIES MEETING

(ONLINE MODE)

Date & Time: 30.07.2021 & 10.30 am

MEMBERS PRESENT

S.No	Name	Designation	Position in the Committee	College / University / Industry
1	Dr.G.Raja	Prof & HOD/ Chemistry	Chairman	Paavai Engineering College
2	Dr.M.Dharmendra Kumar	Prof/Chemistry	University Nominee	Alagappa College of Technology, Anna University, Chennai
3	Dr.S.Sasikumar	Prof/Chemistry	Academic Expert	Vellore Institute of Technology (VIT), Vellore
4	Prof.M.Mohan	Prof & HOD/S&H	Member	Paavai Engineering College
5	Dr.D.Rajamanickam	AP/Chemistry	Member	Paavai Engineering College
6	Mr.N.Vijayanand	Associate Prof/ Chemistry	Member	Paavai Engineering College
7	A.Jeeva	Assistant Prof / Chemistry	Member	Paavai Engineering College
8	Dr.N.Dhanabalan	Associate Prof / Chemistry	Member	Paavai Engineering College

AGENDA

1. List of one credit and value added courses for the Regulations 2019(CBCS).
2. Panel of examiners.

Suggestions by the members



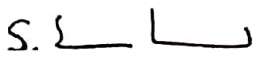
One Credit Courses

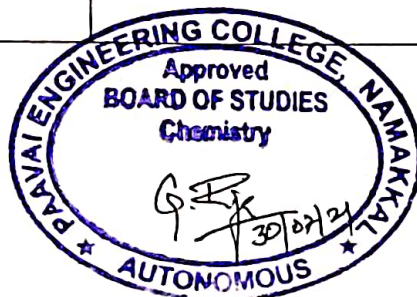
- Old: CH19951 Advanced Pharmaceutical Chemistry** Course title has been changed to **New: CH19951 Drug Delivery**.
 - In the above course, the whole Unit 2- Drug discovery should be replaced by Unit 3- Drug action and Drug metabolism.
 - The Unit 3 should be Instrumental Analysis and the syllabus content should be according to the title.
- Old: CH19952 Nanotechnology in Fuel Cells and Energy Storage** Course title has been changed to **New: CH19952 Current Trends in Fuel Cells**.
 - The Unit 2 -Nano crystalline Solar cells should be replaced by Unit 3- Nano-Porous Materials for Hydrogen storage in the above course.
 - Commercial solar Cells should be Unit 3 and the syllabus content should be framed accordingly.
- CH19953 INDUSTRIAL ELECTROCHEMISTRY**
 - In the above course, the whole Unit 2 -Conducting Polymers should be replaced by Unit 3 - Batteries and Power sources.
 - The Unit 3 should be Commercial Fuel cells and the syllabus content should be according to the title.

Value added Courses

- PHYTOCHEMISTRY OF MEDICINAL PLANTS**
 - The topic GC-MS Technique should be included in Unit 2.
 - The topic Health benefits of specified compounds should be included in Unit 5.
- HUMAN RIGHTS**
 - There is no Change in the syllabus.

The above suggestions were given by the members and approved the syllabi for the Regulations 2019 (CBCS), one credit courses, value added courses and panel of examiners.

Position in the committee	Chairman	University Nominee	Academic Expert
Name & Designation	Dr.G.Raja Prof/Chemistry	Dr.M.Dharmendra Kumar Prof/Chemistry	Dr.S.Sasikumar Prof/Chemistry
e-Signature			



**PAAVAI ENGINEERING COLLEGE
(AUTONOMOUS)
DEPARTMENT OF MBA**

MINUTES OF THE BOARD OF STUDIES MEETING 2021

Mode of the Meeting : Online Meeting

Date & Time: 29.07.2021 at 10.30 a.m.

Members Present for the BoS Meeting

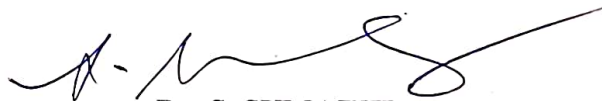
S.No.	Name	Designation	Position in the Committee	College / University / Industry	Attendance
1	Dr. S. Sumathi	Prof & Head /MBA	Chairman	Paavai Engineering College	Present
2	Dr. A.K. Sheik Manzoor	Associate Professor/MBA	University Nominee	Anna University, Chennai.	Present
3	Dr.N.L.Balasudarsun	AP (Selection Grade)/MBA	Academic Expert	PSG Institute of Management, PSG College of Technology, Coimbatore.	Present
4	Mr. R. R. Pattabi Reguraman	General Manager (Sales & Marketing)	Industry Expert	JSW Cements Limited, Chennai	Present
5	Mr. P. Ullas	Manager	Alumni	Global Services Operations, UiPath, Bengaluru	Present
6	Dr. Sundaramurthy	Dean - Academics	Member	Paavai Engineering College	Present
7	All staff members of MBA department	-	Members	Paavai Engineering College	Present

Proceeds of the Meeting:

The agenda for the BoS Meet 2021 was for the approval of syllabus (Regulations 2019 under CBCS pattern) for the Management courses of B. E. / B. Tech programs, which shall come into force from the academic year 2021- 2022.

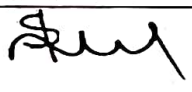
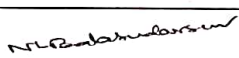


The board has made few suggestions to be incorporated in the syllabus, which has been appended below. The board has recommended approving the syllabus, on incorporation of the changes suggested. The following were the suggestions given by the Board members pertaining to the Syllabus:

1. Course Objectives & Course Outcomes to be framed as per the content.
2. For 'Principles of Management' course, Case studies to be discussed for each unit.
3. In the second unit of 'Principles of Management', the 'Strategic Management' topic was found to be very vast and hence was suggested to be given as 'Introduction to Strategic Management'.
4. For 'Disaster Management' course, it was advised by board members to include the pandemic related disasters too.



Dr. S. SUMATHI

Professor and Head / BoS-Chairman (MBA)

Dr.A.K.Sheik Manzoor	Dr.N.L.Balasudarsun	Mr. R. R. Pattabi Reguraman	Mr. P. Ullas
			



PAAVAI ENGINEERING COLLEGE, NAMAKKAL

(Autonomous)

MASTER OF COMPUTER APPLICATIONS [MCA]

Minutes of the 6th Board of Studies Meeting

Online Mode

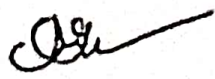
Date and Time: 30.07.2021, 10.30 am

1. Chairman BoS welcomed all members to the 6th Board of Studies meeting.
2. Chairman BoS introduced the members to the Board of Studies.
3. Chairman BoS briefed the members about agenda.
 - ❖ The Chairman of BoS of Master of Computer Application presented the following details :
 - Curriculum and Syllabi of V semester and VI semester of the students admitted in the Academic year 2019-2020 (3 Years Duration) under Regulations 2019.
 - Curriculum and Syllabi of III and IV semester of the students admitted in the Academic year 2020-2021 (2 Years Duration) under Regulations 2019.
 - List of One Credit and Value Added Courses.
 - List of Panel of Examiners.
4. The following are the suggestions given by the members of Board of Studies.
 - ❖ The members of the Board approved and finalized the Curriculum and Syllabi for Regulations 2019 for the V and VI Semester of 3 years programme.
 - ❖ The members of the Board approved and finalized the Curriculum and Syllabi for Regulations 2019 for the III and IV Semester of 2 years programme.
 - ❖ The members of the Board discussed to include one value added course for each year.
 - ❖ The members approved one credit and panel of examiners.



Mr.S.Senthilvelan
Chairman-BoS


Dr.P.Uma Maheswari
University Nominee


Dr.S.Dhanith
Academic Expert 1


Dr. S.P.Shantharajah
Academic Expert 2


Mr.Majeed Sheik
Industri Expert


Mrs.R.Kannan
Alumni

