

**PAAVAI ENGINEERING COLLEGE, NAMAKKAL**

**(AUTONOMOUS)**

**REPORT FOR ACADEMIC AUDIT**

**Academic year – 2022 -2023 – Odd Semester**

**Date: 07.01.2023**

Submitted to the Principal:

The report of the academic year 2022-2 for odd semester is as follows:

**DEPARTMENT OF AERONAUTICAL ENGINEERING**

1. Provide more video lecture sessions
2. More problems to be solved in classes
3. More question bank to be provided

**DEPARTMENT OF AGRICULTURAL ENGINEERING**

1. Watershed Planning and Management
2. Operation of farm machinery and Equipment
3. Principles and Practices of Crop Production

**DEPARTMENT OF BIOMEDICAL ENGINEERING**

1. Need Assignments to understand basic concepts
2. Provide more video Lectures
3. Improve Innovative Practices
4. Solve more problems

**DEPARTMENT OF CHEMICAL ENGINEERING**

1. Solve more problems for Chemical Engineering thermodynamics
2. Video lectures may be provided for Pulp and Paper technology
3. Real time examples may be given for Corrosion Science and Engineering

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

1. More tutorial classes needed
2. More problems to be solved
3. NPTEL video links to be given
4. Solve past University question paper
5. Seminars can be given
6. Case study has be given

**DEPARTMENT OF CIVIL ENGINEERING**

1. More tutorial classes needed
2. Case studies can be given
3. More problems to be solved

## **DEPARTMENT OF INFORMATION TECHNOLOGY**

1. Encourage Students to take seminar topics.
2. Moodle study Materials to be given.
3. Follow Innovative teaching methodologies.
4. Additional programs should be given for the lab.
5. Students are asked to register the one credit courses

## **DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

1. Lack of innovative topics
2. Give more assignment
3. Add seminar topics content
4. Required mock presentation
5. Need more explanations needed for medical related words.
6. Real time instrumentation based explanation needed
7. Give case study material

## **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

1. More problems to be solved
2. More examples to be discussed
3. Need PPT presentation to some topics

## **DEPARTMENT OF FOOD TECHNOLOGY**

1. More problems to be solved for Transform and boundary value problems of III semester.
2. Video lectures may be provided for Food Chemistry
3. Innovating teaching can be used

## **DEPARTMENT OF MECHATRONICS**

1. Additional problem has to be solved
2. More case studies to be discussed
3. More video lecture provided

## **DEPARTMENT OF MECHANICAL ENGINEERING**

1. More problems need to be solved
2. Tutorial need to be given
3. More Assignments need to be given
4. Provide case studies

## **DEPARTMENT OF MEDICAL ELECTRONICS**

1. Need to solve more Problems
2. Provide more video Lectures
3. Improve Innovative Practices

## **DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY**

1. More problems to be solved for Stoichiometry and chemical Process Calculations
2. Power point presentation to be provided for Physical Pharmaceutics and Regulatory toxicology
3. Video Lectures to be provided for Cell and Molecular Biology
4. Study material to be provided for Medicinal chemistry and Pharmacology and Chemotherapy

## **DEPARTMENT OF MANAGEMENT STUDIES**


1. Improve innovative practices
2. Study material to be given
3. More problems to be solved
4. Remedial for slow learners
5. More case studies can be given

## **DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS**

1. Hands on Training can be given
2. Improve innovative practices

## **DEPARTMENT OF SCIENCE AND HUMANITIES**

1. Follow advanced teaching practices like PPT, NPTEL videos.
2. Audio and video aids were suggested for improving spoken and written skills.
3. More problems to be solved for analytical subjects.
4. Assignment topics to be given from innovative topics.
5. To register for online certificate coursed to acquire knowledge in that field.
6. Demo models & animated videos to be followed.

  
External Auditor 04/01/2023

Dr.C.Dhavamani  
Professor & Head – Aeronautical Engineering  
Mahendra Engineering College

**PAAVAI ENGINEERING COLLEGE, NAMAKKAL**

(AUTONOMOUS)

**REPORT FOR ACADEMIC AUDIT**

**Academic year – 2022 -2023 – Even Semester**

*Date: 22.09.2023*

Submitted to the Principal:

The report of the academic year 2022-23 for even semester is as follows:

**DEPARTMENT OF AERONAUTICAL ENGINEERING**

1. Need more real world examples
2. Need more tutorial classes
3. Need more video lecture sessions

**DEPARTMENT OF AGRICULTURAL ENGINEERING**

1. Seminars can be given Sustainable agriculture and Food security
2. More problems need to be solved in Probability and Statistics
3. Seminars can be given Hydrology and Ground Water Engineering
4. Internship can be permitted in Food and dairy Process Engineering

**DEPARTMENT OF BIOMEDICAL ENGINEERING**

1. Need Assignments to understand basic concepts
2. Provide more video Lectures
3. Improve Innovative Practices
4. Solve more problems

**DEPARTMENT OF CHEMICAL ENGINEERING**

1. Demo on instruments can be given for Instrumental methods of Analysis
2. Solve more problems for Chemical Reaction Engineering
3. Case studies may be provided for Risk and safety management in Process Industries

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

1. More tutorial classes needed
2. Case study has be given
3. NPTEL video links to be given
4. Solve past University question paper
5. Seminars can be given
6. Additional programs to be given in lab sessions



## **DEPARTMENT OF CIVIL ENGINEERING**

1. More problems to be solved
2. Seminars can be given
3. Seminars & videos can be given
4. Laboratory modernization / New lab established shall be needed.

## **DEPARTMENT OF INFORMATION TECHNOLOGY**

1. Innovative Topics to be given.
2. Faculty and Students should register the NPTEL courses.
3. Follow Innovative teaching methodologies.
4. Focus on Slow Learners

## **DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

1. Give case study material
2. Real time application should be thought in class
3. IPRs and Patents to be published
4. Add seminar topics content
5. Need more tutorial hours

## **DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

1. More graph problems to be solved
2. Seminar topics to be given to students
3. Need PPT presentation to some topics

## **DEPARTMENT OF FOOD TECHNOLOGY**

1. More problems to be solved for heat and mass transfer in Food process of IV semester.
2. Video lectures may be provided for Analytical instruments in Food industries

## **DEPARTMENT OF MECHATRONICS**

1. More practice session to be arranged
2. Additional problem has to be solved
3. More case studies to be discussed
4. More video lecture to be provided

## **DEPARTMENT OF MECHANICAL ENGINEERING**

1. Models can be used in classes
2. Innovative and current research need to be discussed in classes
3. Subject related industrial visits can be permitted

#### **DEPARTMENT OF MEDICAL ELECTRONICS**

1. Need to solve more Problems
2. Provide more video Lectures
3. Improve Innovative Practices

#### **DEPARTMENT OF PHARMACEUTICAL TECHNOLOGY**

1. More problems to be solved for unit operations in pharma industries
2. Video Lectures to be provided for Protein Engineering and Proteomics
3. Study material to be provided for cosmetic technology and Pharmacognosy
4. More problems to be solved for downstream processing of VIII semester.
5. Department needs to focus on consultancy projects
6. Department needs to focus on R&D proposals and Publication.

#### **DEPARTMENT OF MANAGEMENT STUDIES**

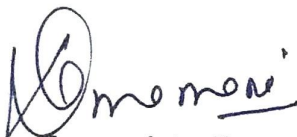
1. Study materials need to be given
2. More problems need to be solved
3. Remedies for slow learners need to be concentrated
4. More case studies can be given

#### **DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS**

1. Seminar can be given
2. Improve innovative practices

#### **DEPARTMENT OF SCIENCE AND HUMANITIES**

1. Follow advanced teaching practices like PPT, NPTEL videos.
2. More problems to be solved for analytical subjects.
3. Assignment topics to be given from innovative topics.
4. To register for online certificate coursed to acquire knowledge in that field.
5. Real time applications with examples

  
External Auditor 22/09/2023

Dr.C.Dhavamani  
Professor & Head – Aeronautical Engineering  
Mahendra Engineering College