



PAAVAI ENGINEERING COLLEGE

(Autonomous)

NH 44, PACHAL, NAMAKKAL-637018

DEPARTMENT OF AGRICULTURE ENGINEERING

ACTION TAKEN REPORT- STAKEHOLDERS FEEDBACK ON CURRICULUM & SYLLABUS

Academic Year 2022-2023

Date: 20.6.22

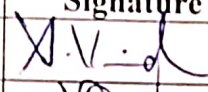

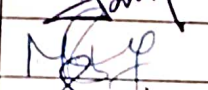
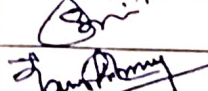


1. Feedback was collected.
2. The feedback was analyzed and reviewed through Internal Committee.
3. The Proposed draft of syllabus was put forth to DAC. The Constructive suggestions were taken from the Stake holder's feedback.
4. After detailed deliberation and discussion, the proposed draft of syllabus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

Feedback was requested from following Stakeholders

S.No.	Stake Holders	No of feedback form received
1.	Students	161
2.	Teachers	10
3.	Alumni	45
4.	Employer	6

Name of the course	Recommended by	Recommendation	Action Taken
Students Feedback			
Farm tractors	Sai Janarthanan.M	Need practical classes for understanding the concepts	Planned to conduct value added course in upcoming academic
Agriculture economics and extension	R.Asha	Recent edition of text book can be added	Recommendation considered and forwarded to the approval of DAC.
IT in Agriculture Engineering	G.Vaishnavi	Subject needs guest lecture for understanding concepts.	Planned to arrange guest lecture.
Faculty Feedback			
Sustainable agriculture and food security	Dr.A.Vivekanandhini	To add more case studies	Planned to add case studies in V unit
Disaster management	M.Bhuvaneshwari	To add more case studies for updating student knowledge	Planned to add case studies in V unit
Food and Dairy process engineering	A.Subashini	Need to arrange industrial visit for students regarding dairy industry	Planned for industrial visit in AAVIN milk dairy.

Alumni Feedback			
Farming practice	Sathya.S	Encourage students to practice farming techniques in our college.	Students are provided with farm land for practising farming techniques in agriculture field.
Industrial visit	A.Gowtham	Need more industrial visit for students to enrich their knowledge	Planned to arrange industrial visits.
Design of farm machinery	S.Sowndarya	Portion is vast and it can be reduced	Recommendation considered and forwarded to the approval of DAC.
Employer Feedback			
Landscape Design and Site Planning	A.Sharu	Need to update knowledge in the field of landscape and vertical farming	Planned to introduce Landscape Design and Site Planning as core paper.
Agriculture business management	ParthaSarathy.S	Need to Add topics related to business marketing.	Recommendation considered and forwarded to the approval of DAC.
Agricultural Waste Management	Savithra.G	Need demonstration classes regarding agriculture waste	Planned for practical classes regarding agriculture waste in our field.

S.No	Name of the Member	Designation	Role	Signature
1	Dr.A. Vivekanandhini	HOD	Chairman/BOS	
2	A.Meignamoorthi	AP	Member	
3	D.Anandhan	AP	Member	
4	M.Bhuvanewari	AP	Member	
5	A.Subashini	AP	Member	
6	N.Satheswaran	AP	Member	


HOD/AGRI


PRINCIPAL

PAAVAI ENGINEERING COLLEGE
(Autonomous)
DEPARTMENT OF AGRICULTURE ENGINEERING

Minutes of Eighth board of Studies Meeting

Venue: Online mode through Microsoft Teams platform

Date and Time: 10.08.2022, 2.00 p.m.

Minutes of Eighth Board of Studies meeting held on 10th August 2022 at 2.00 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.	Mrs.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. BIT, Sathy, Erode
5.	Mr.N.Meganathan	Managing Partner	Industrial Expert	Kongunadu Tractors, Namakkal
6.	Ms.A.SandroJudith	Founder,&CEO	Alumni	Sandro's Mushrooms
7.	N.Satheeswaran	Asst.Professor/Agri	Asst professor	Paavai Engineering College
8.	Dr.P.Tamilchelvan	Professor/Agri		
9.	D.Anandan	Asst.Professor/Agri		
10.	A.Subashini	Asst.Professor/Agri		
11.	M.Bhuvaneswari	Asst.Professor/Agri		
12.	A.Meignanmoorthi	Asst.Professor/Agri		
13.	B.Mano	Asst.Professor/Agri		
14.	R.Thilagavathi	Asst.Professor/Agri		



The following agenda are discussed for approval

1. Chairman –BoS introduced the members of the Board of Studies,
2. Chairman –BoS briefed the members about the agenda
3. To discuss the Curriculum and syllabus of 7th& 8th semester under Regulations 2019 for the students admitted in the academic year 2019-2020
4. To discuss the Curriculum and syllabus of 5th, 6th, 7th & 8th semester under Regulations 2019 for the students admitted in the academic year 2020-2021

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

V AND VI SEMESTER

REGULATION 19 for the students admitted in the year 2020-2021

List of New Courses Offered

S.NO	COURSE CODE	COURSE_NAME
1	AI20601	Farm Tractors
2	AI20453	Refrigeration And Cold storage

1. AI 20501-Farm Machinery and equipment

Members suggested that, to change the course title AI20501 (operation of farm machinery and equipment) to AI20501 Farm Machinery and equipment.

2. AI 20502-Soil and Water Conservation Engineering

Members suggested to interchange the unit 4 and unit 5.

3. AI 20601-Farm Tractors

Members suggested to add Farm tractors paper as a core paper which was previously kept as elective.

4. AI 20602-Design of Farm machinery and equipment

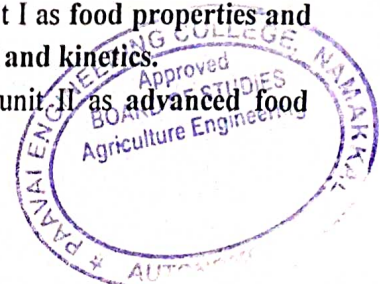
Members suggested to reduce the content which is applicable for agriculture engineering and remove the irrelevant topics.

5. AI20603-Post Harvest Technology

Committee members suggested, to add few more topics related to unit IV and add a new unit named vegetable and fruit processing as Unit V.

6. AI 20251- Food And Dairy Process Engineering

- Committee members suggested, to change the title of unit I as **food properties and thermal processing instead of food properties, thermal and kinetics.**
- Committee members suggested, to change the title of unit II as **advanced food preservation methods**



7. **AI 20504 Application of IT in Agricultural System.**
Committee members suggested, to add advanced topic in unit IV and unit V.
8. **AI20254 Command Area Water Management**
Committee members insisted to change the course name as "Command Area Management" instead of "On Farm Management".

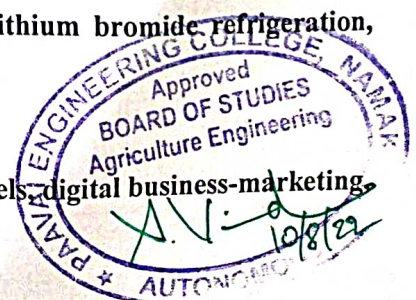
VII AND VIII SEMESTER

REGULATION 19 for the students admitted in the year 2019-2020

List Of New Courses Offered

S.NO	COURSE CODE	COURSE_NAME
1	AI 19654	Farm Tractors
2	AI 19352	Refrigeration And cold storage

1. **AI 19701-Remote Sensing and GIS Application**
 - Members suggested to add topics related to platforms in unit I.
 - Members suggested to change the unit III title as "Concepts of GIS and GPS" instead of "Concepts of GIS and GNSS".
 - To add topics related to farm asset management in unit V.
2. **AI 19551-Sustainable Agriculture And Food Security**
Committee members suggested, to add case studies related to sustainable agriculture in unit V.
3. **AI19552-Automation in Irrigation**
Committee members suggested to interchange the unit III and unit V in order that students can read sequentially.
4. **AI19553-Intellectual Property Rights**
Members suggested to add topics related to Design Thinking in unit I.
5. **AI19654-Farm Tractors**
Members suggested to add few more topics related to fuel system, cooling system, and tractor testing and rollover protection system and safety measures.
6. **AI19653-Disaster Management**
Members suggested to add case studies in unit V.
7. **AI 19352-Refrigeration and Cold Storage**
 - Members suggested to change the course name of refrigeration and air conditioning as "Refrigeration and cold storage".
 - Members suggested to add Topics Electrolux refrigerator, Lithium bromide refrigeration, Construction and principles.
8. **AI19703-Agriculture business management**
Members suggested to add topics related to Agri business models, digital business-marketing Technology in Agri Business in UNIT V.



9. AI 19451-Watershed planning and management

Members suggested to change the course name of Watershed Planning and Management Instead Of Watershed Management

10. AI19705-GIS Laboratory for Agricultural Engineers

Committee members suggested to add updated experiments in the syllabus such as

1. Calculate geometry of polygon and line and Symbology and Map composition
2. Normalized Vegetation Indices (NDVI) analysis.

UG Regulations 2019 (Amendments)

To include Principles of Agriculture Engineering and Environmental Science and Engineering in 6th semester of regulation 2019 for the students (lateral entry) admitted in the year 2020-2021.

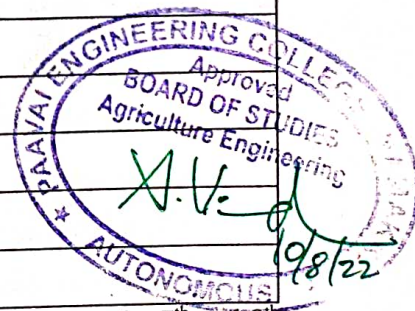
To include Principles of Agriculture Engineering for the students admitted in the year 2021-2022(lateral entry) to include in the 4th semester of regulation 2019 for the students admitted in the year 2021-2022 and to include Environmental Science and Engineering in 6th semester of regulation 2019 for the students admitted in the year 2021-2022 onwards.

The name list of lateral entry student in III year are:

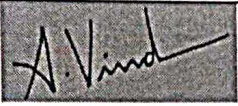
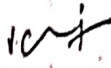
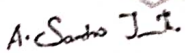
S.no	Register no	Name of the student
1	20102301	S.Sarathi
2	622121102301	Arun .G
3	622121102302	Balachandar.R
4	622121102303	Chandrakas.R.K
5	622121102304	Hanish.M
6	622121102305	Pooja.M
7	622121102305	Praveen Kumar.O

The list of value added courses offered to the students during the academic year 2022-2023 are given below.

S.No	Course code	Course title
1	22AIVC101	Agriculture Heritage
2	22AIVC201	Fundamentals Of Rural Sociology
3	22AIVC301	Stored Grain Pest And Their Management
4	22AIVC401	Problematic soil and their management
5	22AIVC501	Management of beneficial insects
6	22AIVC601	Manures, fertilizers and bio fertilizers.



The above suggestions were given by the members and approved the syllabi for the 7th and 8th semester of 2019-2020 admitted students, 5th 6th 7th and 8th semester of 2020-2021 admitted students of regulations 2019 (CBCS), value added course and panel of examiners.

Position In The Committee	Chairman	University Nominee	Academic Expert	Industry Expert	Alumni
Name & Designation	Dr.A.Vivekanandhini HOD/AGRI	Dr.M.Krishnaveni Professor	Dr.V.Chelladurai Associate Professor	Mr.N.Meganathan Managing Partner	Ms.A.Sandro Judith
E-sign				 For KONGURU MANAGING PARTNER	



PAAVAI ENGINEERING COLLEGE (AUTONOMOUS)

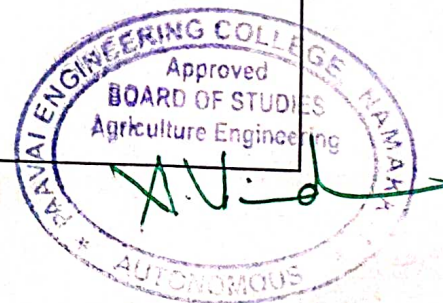
DEPARTMENT OF AGRICULTURE ENGINEERING

Action taken report of 8th BOS

BOS SUGGESTIONS AND IMPLEMENTATION

ACADEMIC YEAR 2022-2023

SEM/ YEAR	COURSE CODE/TITLE	SUGGESTION BY BOS MEMBERS	STATUS OF IMPLEMENTATION
V /III	AI20501-Farm Machinery And Equipment	To change the course title AI20501 (operation of farm machinery and equipment) to AI20501 Farm Machinery and equipment.	Implemented
V/III	AI 20502-Soil and Water Conservation Engineering	To interchange the unit 4 and unit 5.	Implemented
VI/III	AI 20601-Farm Tractors	To add Farm tractors paper as a core paper which was previously kept as elective.	Implemented
VI/III	AI20602-Design of Farm machinery and equipment	To reduce the content which is applicable for agriculture engineering and remove the irrelevant topics	Implemented
VI/III	AI20603-Post Harvest Technology	To add few more topics related to unit IV and add a new unit named vegetable and fruit processing as Unit V.	Implemented
VI/III	AI19251- Food And Dairy Process Engineering	<ul style="list-style-type: none"> To change the title of unit I as food properties and thermal processing instead of food properties, thermal and kinetics. To change the title of unit II as advanced food preservation methods 	Implemented

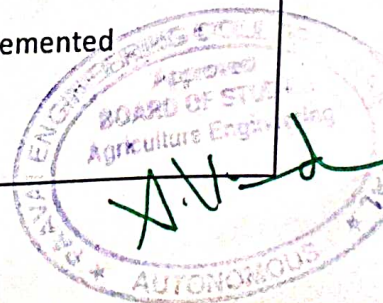


V/III	AI20504 - Application of IT in Agricultural System.	To add advanced topic in unit IV and unit V.	Implemented
VI/III	AI20254- Command Area Water Management	To change the course name as "Command Area Management" instead of "On Farm Management".	Implemented

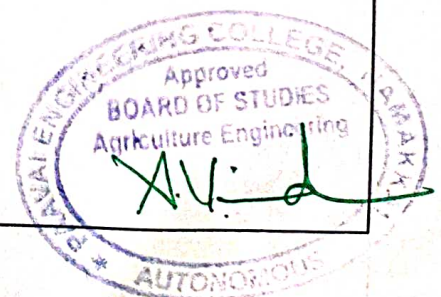
VII AND VIII SEMESTER

REGULATION 19 for the students admitted in the year 2019-2020

SEM/YEAR	COURSE CODE/TITLE	SUGGESTION BY BOS members	STATUS IF IMPLEMENTATION
VII/IV	AI 19701- Remote Sensing and GIS Application	<ul style="list-style-type: none"> Add topics related to platforms in u to change the unit III title as "Concepts of GIS and GPS" instead of "Concepts of GIS and GNSS". Add topics related to farm asset management in unit V. 	Implemented
II/IV	AI 19551- Sustainable Agriculture And Food Security	To add case studies related to sustainable agriculture in unit V.	Implemented
VII/IV	AI19552- Automation in Irrigation	Suggested to interchange the unit III and unit V in order that students can read sequentially.	Implemented



VII/IV	AI19553- Intellectual Property Rights	To add topics related to Design Thinking in unit I.	Implemented
VII/IV	AI19864- Farm Tractors	To add few more topics related to fuel system, cooling system, and tractor testing and rollover protection system and safety measures	Implemented
VIII/IV	AI19653- Disaster Management	To add case studies in unit V.	Implemented
VIII/IV	AI 19352- Refrigeration and Cold Storage	<ul style="list-style-type: none"> • Change the course name of refrigeration and air conditioning as "Refrigeration and cold storage". • To add Topics Electrolux refrigerator, Lithium bromide refrigeration, Construction and principles. 	Implemented
VII/IV	AI19703- Agriculture business management	To add topics related to Agri business models, digital business-marketing, Technology in Agri Business in UNIT V.	Implemented
VIII/IV	AI 19451- Watershed planning and management	To change the course name of Watershed Planning and Management Instead Of Watershed Management	Implemented



VIII/IV	AI19705-GIS Laboratory for Agricultural Engineers	Committee members suggested to add updated experiments in the syllabus such as 1. Calculate geometry of polygon and line and Symbology and Map composition 2. Normalized Vegetation Indices (NDVI) analysis.	Implemented
VII/IV	AI19706 Mini Project	to change the course title as mini project instead of project phase I.	Implemented
VIII/IV	AI19802 Project work	to change project phase II into "Project Work"	Implemented

