



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(A Unit of Alva's Education Foundation)

Shobhavana Campus, Mijar-574225, Moodbidri, D.K

Phone: 08258-262725, Fax: 08258-262726

Affiliated to VTU Belagavi and Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka

ATTENDANCE BOOK

Academic Year : 2023 - 2024

Semester : IV Section A

Period of the Semester : From 15/4/2024 to 27/7/24

Subject with Code : AGRICULTURAL PROCESS ENGINEERING (BAG403)

Name of the Faculty : DR. K. RAJU YADAV

Department : AGRICULTURAL ENGINEERING

VISION OF THE INSTITUTE

"Transformative education by pursuing excellence in Engineering and Management through enhancing skills to meet the evolving needs of the community"

MISSION OF THE INSTITUTE

- To bestow quality technical education to imbibe knowledge, creativity and ethos to students community.
- To inculcate the best engineering practices through transformative education.
- To develop a knowledgeable individual for a dynamic industrial scenario.
- To inculcate research, entrepreneurial skills and human values in order to cater the needs of the society.

VISION OF THE DEPARTMENT

To serve the country by producing high caliber technocrats who can combine farming with engineering and technology interventions and contribute to global food security and sustainable growth in agricultural production

MISSION OF THE DEPARTMENT

- M1: To impart knowledge by establishing an environment that is conducive to teaching and learning.
- M2: To create agricultural engineers who are both technically proficient and morally admirable in order to benefit society.
- M3: To develop and enhance novel technologies to address current and foreseeable issues in agriculture.

COURSE OUTCOMES

CO1	Be proficient in the scope of the process engineering and use of processing machinery.
CO2	understand the physical properties, rheological properties and frictional properties.
CO3	summarizing the thermal properties, electrical properties and their terms related to the term.
CO4	Some of the basic concept related cleaning, drying and size reduction equipments.
CO5	to acquaint the student with milling of rice parboiling technologies & milling of
CO6	understand the material handling & transportation equipment.

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CO1	2						2									
CO2					2	2		2								
CO3		2	2	2	2	2	2	2	2						1	2
CO4	2	2	2	2	2	2	2	2						2	1	2
CO5				2								2	1	1		1
CO6	2	2								2	2		1	1		

AJET	Lesson Plan & Execution	Format No. Issue No. Rev. No.	ACD 08 01 00
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Name of the faculty	DR. K. Raju Yadav
Semester and Section	IV th & A section
Date of Commencement	29/7/24
Last Working Day of the Semester	7/8/24
Source Materials List	

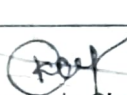
1	Sahay KM & Singh KK	Unit operation of Agricultural Processing
2	Chakraverty	Post Harvest technology of cereals, pulses & oil
3	Geankoplis C	Transport processes & separation process principle
4	Fayle R L	Unit operation in Food processing
5		

Subject Name	Agricultural process Engineering
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Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
1	30/4	Introduction to unit operation in Ag. processing	3	Introduction to unit operation in Ag. processing	30/4	3
2	2/5/24	structure of paddy & wheat grain	1	structure of paddy & wheat grain	2/5/24	1
3	8/5/24	physical property of food grains	2	physical property of food grains	8/5	2
4	9/5/24	Flow chart of Rheology	3	Flow chart of Rheology	9/5	3

Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
5	10/5/24	derivation of kelvin model	4	derivation of kelvin model	10/5	4
6	16/5/24	derivation of maxwell model	1	derivation of maxwell model	16/5	1
7	18/5/24	Types of Newtonian & non newtonian fluids	3	Types of Newtonian & non newtonian fluids	18/5	3
8	21/5/24	physiologic, electric properties	1	physiological & electric properties	21/5	1
9	28/5/24	Revision class for 1st module	2	Revision class for 1st module	28/5	2
10	31/5/24	Introduction about cleaning & grading	4	Introduction to cleaning & grading	31/5	4
11	5/6/24	Types of Screens class of Screens	1	Types & class of Screens	5/6	1
12	6/6/24	derivation of sum Effectiveness of	3	derivation of Efficiency of screens	6/6	3
13	7/6/24	Types of separation	2	Types of separation	7/6	2
14	14/6/24	magnetic & electric separator pneumatic	3	magnetic & electric separator pneumatic	14/6	3
15	15/6/24	cyclone separator	1	cyclone separator	15/6	1
16	18/6/24	problems on cyclone separator	2	problems on cyclone separator	18/6	2
17	20/6/24	Revision class on 3rd module	4	Revision class on 3rd module	20/6	4

Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
18	7/7/24	Introduction to modern rice mill	4	Introduction to modern rice mill	9/7	4
19	7/7/24	Flow chart of modern rice mill	2	Flow chart of modern rice mill	9/7	2
20	7/7/24	Flow chart for dry milling	3	Flow chart for dry milling	9/7	3
21	11/7/24	Flow chart for wet milling	2	Flow chart for wet milling	11/7	2
22	11/7/24	condensation & parabolizing steps	1	condensation & parabolizing steps	11/7	1
23	12/7/24	Hydraulic press	1	Hydraulic press	12/7	1
24	12/7/24	Screw press	3	Screw press	12/7	3
25	15/7/24	Revision class	2	Revision class	15/7	2
26	15/7/24	Revision class	4	Revision class	15/7	4
27	16/7/24	summary & conclusion about 5th module	3	summary & conclusion about 5th module	16/7	3
28	18/7/24	Introduction to 7th module	2	Introduction to 7th module	18/7	2
29	18/7/24	Size reduction procedure	2	size reduction procedure	18/7	2
30	20/7/24	Jaw crusher & gyratory crusher	1	Jaw crusher & gyratory crusher	20/7	1

Others	Planned	Actual	Remarks
Special Classes	2	2	
Tutorials			
Assignments	2	2	
Seminars			
IA Tests	3	2	
Portions Covered in the entire Semester	100%		
Course Effectiveness	92%		
Students Feedback	very good		
Students Response	positive response		
Result	No. of Students AP	No. of Students Passed	% of Result
	23	23	100
 Faculty in Charge  Signature of Principal (& Remarks if any)  HOD's Signature H.O.D. Dept. of Agricultural Engineering Alva's Institute of Engg. & Technology Mijar, Moodubidire - 574225			

MIJAR, MOODBIDRI - 574 225

Subject : Agricultural Process Engineering
No. of Classes held 49

Subject

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MOODBIDRI - 574 225

Subject

[illegible]

[illegible]

AIET	INTERNAL EXAM RESULT ANALYSIS						Format No.	ACD 12
							Issue No.	01
							Rev. No.	00
Department	Agriculture Engineering						Semester	IV th
							Subject Code	8AG403
Total No. of Students	23						Academic Year	2023-2024
Test	Date	Number of Students				Signature		Remarks
		Attended	0-14	15-20	21-25	Faculty	HOD	
T ₁	30/6/24	23	1	7	15	Prof	h	
T ₂	7/7/24	23	2	0	21	Prof	h	
T ₃	26/7/24	21	2	0	19	Prof	h	
T ₄								
T ₅								


 Signature of Staff in - charge


 HOD's Signature
 H.O.D.
 Dept. of Agricultural Engineering
 Alva's Institute of Engg. & Technology
 Mijar, Moodubidire - 574225