



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 : 2022-23

Semester : IIIrd Section.....

Period of the Semester : From 31/10/2022 to 16/4/2023

Subject with Code : FUNDAMENTALS OF AGRICULTURE & CROP PRODUCTION TECHNOLOGY (21AR32)

Name of the Faculty : Dr. SHASHI KUMAR

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 & technology interventions & contribute to global food security & sustainable growth in agricultural production

MISSION OF THE DEPARTMENT

m1: To impart knowledge by establishing an environment that is conducive to teaching & learning

one:- To create agricultural engineers who are both technically proficient & morally admirable in order to benefit society.

ONG:- To develop & enhance novel technologies to address current & foreseeable issues in agriculture.

COURSE OUTCOMES

C01	Explain knowledge gained on the principles of Agronomy Recognize the various nutrients & their effects on plant health
C02	Plan irrigation measures for plant growth & development manage weeds in a field
C03	Plan for sustainable agricultural production Apply scientific methods & tools in field preparation for designing crops
C04	comprehend the fundamentals of crop production of cereals decide on the crop, fertilizers & irrigation measures for production of ^{crop}
C05	plan for sustainable crop production of oil seeds explain the techniques involved in crop production of fibre for a crop
C06	correlate parameters involved in crop cultivation & practices of crop cultivation

[illegible]

AIET	Lesson Plan & Execution			Format No.	ACD 08	
				Issue No.	01	
				Rev. No.	00	
Name of the faculty			Dr. Shashikiran			
Semester and Section			IIIrd			
Date of Commencement			31/10/2022			
Last Working Day of the Semester			11/2/2023			
Source Materials List						
1. Principle of Agronomy			S. P. Reddy			
2. crop production & field experimentation			V. Vailya, K. R. Satishbabu & V. S. Kumar			
3. Fundamentals of Agronomy			Anupam Chandra De			
4. modern techniques for raising field crops			Chidha Singh			
5. Text book of field crop production			Rajendra Prasad			
Subject Name Fundamentals of Agriculture & crop production Technology						
Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
1	2/11/22	Agronomy, its definition, scope & role of Agronomist	1	Agronomy, its definition, scope & role of Agronomist	2/11/22	1
1	3/11/22	Tillage - objectives of tillage, types of tillage, tillage implements & factors affecting tillage implement	1	Tillage - objective of tillage, types of tillage	3/11/22	1
1	5/11/22	Effect of tillage on soil & crop growth, tillage its definition, characteristic	1	tillage implement & factors affecting its implements effect of tillage, tillage & its definition, characteristic	5/11/22	1
1	8/11/22	ideal tillage, modern concepts of tillage; minimum, zero, stubble mulch tillage	3	topics covered	8/11/22	3

Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
2	9/11/22	module-1 Importance of puddling	3	Topics covered	9/11/22	3
1	10/11/22	conventional tillage practices & their effects	3	Topics covered	10/11/22	3
1	12/11/22	modern tillage practices & their advantages	3	Topics covered	12/11/22	3
1	15/11/22	optimum tillage with different tillage implements & their effect on soil properties	3	Topics covered	15/11/22	3
2	16/11/22	seeds, its definition characteristics of quality seed, seed treatment, its objective	1	Topics covered	16/11/22	1
1	17/11/22	seed dormancy, causes of seed dormancy & multiplication, stages of seed	1	Topics covered	17/11/22	1
1	19/11/22	methods of sowing seed & sowing implements, Effect of plant population on growth & yield	1	Topics covered	19/11/22	1
1	22/11/22	planting geometry viz. row spaced & spaced row planting, Importance of manure & fertilizers like classification	1	Topics covered	22/11/22	1
2	23/11/22	method of application of manure, fertilizer & green manuring, Nutrient use efficiency	1	Topics covered	23/11/22	1
1	26/11/22	Factors affecting nutrient use efficiency, scheduling of irrigation & fertilizer	1	Topics covered	26/11/22	1
1	28/11/22	Irrigation schedule for different crops in different soils & agro climatic regions, fertigation	1	Topics covered	28/11/22	1
1	1/12/22	irrigation methods, plant protection measures - pesticides, types of insecticides &	1	Topics covered	1/12/22	1
1	3/12/22	Insecticides available to control different weed flora, pests & diseases & their mode of action	1	Topics covered	3/12/22	1

module-2

Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
1	6/12/22	module-3 Weeds, its definition, characteristics of weeds, merits & demerits of weeds, classification of weeds	1	Topics covered	6/12/22	1
1	10/12/22	meaning of crop weed competition & its period in different crops	1	Topics covered	10/12/22	1
1	17/12/22	Principles & methods of weed management viz. cultural	1	Topics covered	17/12/22	1
1	20/12/22	mechanical, chemical, biological weed control methods	1	Topics covered	20/12/22	1
2	21/12/22	Integrated weed management, classification of herbicide	1	Topics covered	21/12/22	1
1	22/12/22	its selectivity & resistance, Allelopathic effect of weed	1	selectivity & resistance of weed	22/12/22	1
1	24/12/22	crop harvesting, sign of maturity in different crops	1	Allelopathic effect of weed crop harvesting	24/12/22	1
1	29/12/22	psychological & crop maturity, method of harvesting	1	sign of maturity in different crops	29/12/22	1
1	31/12/22	Introduction of crop production, geographical distribution of crops & cropping system	1	psychological crop maturity, method of harvesting	31/12/22	1
1	3/1/23	crop classification	1	Introduction of crop production, geographical distribution of crops & cropping system	3/1/23	1
1	4/1/23	cropping systems for major agro-ecological regions	2	crop classification	4/1/23	2
1	5/1/23	Rice based cropping system, sugarcane based cropping system	2	cropping systems for major agro-ecological regions	5/1/23	2
1	7/1/23	cotton cropping system, pulse & oil seed based cropping system, their suitability in different agro-ecological regions	2	Rice based cropping system, sugarcane based cropping system	7/1/23	2

Period	Plan			Execution			Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred		Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
1	10/1/23	crop rotation, its definition, principles & advantages of crop rotation	2	crop rotation, its definition	10/1/23	2	1	15/2/23		4	Fertilization, irrigation scheduling	15/2/23	4
1	11/1/23	study of crop adaptation & its distribution, know - in development, its definition	2	principle of advantages of crop rotation	11/1/23	2	1	21/2/23		2	weed control	21/2/23	2
1	12/1/23	growth curve & factors affecting growth & development.	2	study of crop adaptation & its distribution	12/1/23	2	1	22/2/23		2	other practices to optimize yield	22/2/23	2
1	14/1/23	module 5 crop Eco systems, irrigated & rainfed ecosystems	2	growth & development, its definition	14/1/23	2	1	25/2/23		2	Economic Evaluations	25/2/23	2
1	16/1/23	strategies for crop production in tropical & subtropical regions in the two major eco system	2	growth curve	16/1/23	2	1	28/2/23		2	crop, growth parameters	28/2/23	2
1	18/1/23	modern techniques of raising field & horticultural crops	2	factors affecting growth & development	18/1/23	2	1	28/2/23		2	growth measure -ment	28/2/23	1
1	19/1/23	of nursery raising, method of planting	2	crop. Ecosystems	19/1/23	2	1	2/3/23			module -I revision	2/3/23	2
1	21/1/23	Fertilization, irrigation scheduling, weed control	4	irrigated & rainfed eco systems	21/1/23	4	1	4/3/23			module -I revision	4/3/23	
1	28/1/23	other practices to optimize yield.	4	strategies for crop production in tropical & subtropical regions in the two major eco system	28/1/23	4	1	7/3/23			module -II revision	7/3/23	
1	31/2/23	Economic evaluation	4	subtropical regions in the two major eco system	31/2/23	4	1	8/3/23			- II -		
1	2/2/23	crop, growth parameters	4	modern techniques of raising field & horticultural crops	2/2/23	4	1	11/3/23			modules -III revision	11/3/23	
1	7/2/23	growth measure -ments	4	of nursery raising field & horticultural	7/2/23	4	1	15/3/23			- II -		
1	14/2/23		4	crop, method of planting	14/2/23	4	1	25/3/23			module -II revision	25/3/23	

Plan				Execution		Others			
Period	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Refer.	Planned	Actual	Remarks
1	28/3/23			module - 8 revision	28/3/23		3	3	
1	29/3/23			Important topics discussed	29/3/23		2	2	
							3	3	
							Portions Covered in the entire Semester		
							Fully completed with revision		
							Course Effectiveness		
							Students Feedback		
							Good feedback received		
							Students Response		
							Positive response received		
							Result		
							No. of Students AP	No. of Students Passed	% of Result
							Signature of Faculty in Charge		
							Signature of Principal (& Remarks if any)		
							PRINCIPAL		
							Alva's Institute of Engg. & Technology		
							Elipor, MOC-51981 - 574 275, D.A		
							Signature of HOD		
							HOD's Signature		
							Dept. of Agricultural Engineering		
							Alva's Institute of Engg. & Technology		
							Mijas, Woodubidias - 574225		

ALVA'S INSTITUTE OF ENGINEERING D TECHNOLOGY

MIJA

OBBIDRI - 574 225

ATTENDANCE CUM INTERNAL

Class : II year Ist sem

Subject : Fundamentals of Agriculture & Coop production Technology

No. of Classes held : 62

ect :

No. of Classes held : 62			Date / Month																															
Sl. No.	U.S.N.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
1	21AG001	A BHOOMIKA REDDY.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
2	21AG002	ABHISHEK .K.S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
3	21AG003	AJITH MALI PATIL	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
4	21AG004	AMARNATH I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
5	21AG005	ANANYA K	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
6	21AG006	CHAITRA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
7	21AG007	CHANDAN B.M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
8	21AG008	CHANDU. S	A	A	A	A	A	A	A	A	A	A	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
9	21AG009	CHETHAN P	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
10	21AG010	DEEPAK. M.S	1	A	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
11	21AG011	DEEPAK R	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
12	21AG012	H.P.Y. SACHIN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
13	21AG013	HAHEEL NIYAZ	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
14	21AG014	JEEVAN KUMAR H.N	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
15	21AG015	K. A. PREKSHA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
16	21AG016	KEERTHAN ALVA	1	2	3	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
17	21AG017	KEERTHANA M RAM	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
18	21AG018	KIRAN .V	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
19	21AG019	MANASI A.P	A	A	1	2	3	4	5	6	7	8	9	10	11	A	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
20	21AG020	MANSOOR PE	1	A	2	3	4	5	6	7	8	9	10	11	12	A	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
21	21AG021	MONISHA .S	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
22	21AG022	NAGASHREE N	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
23	21AG023	NAVYA .K	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
24	21AG024	POORNACHANDRA	A	A	1	2	3	4	5	6	7	8	9	10	11	A	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
25	21AG025	PRANEETH	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
26	21AG026	REGAN AIDON SALDANHA	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
27	21AG027	SAHANA M GOWDA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
28	21AG028	SANTHOSH .M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
29	21AG029	SAWAN SHETTY	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
30	21AG030	SHREEHARSHA .K.S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Staff Initials																																		

nts fence		No. of Class Attended	% of Atten- dance	Internal Assessment (20)			Average Marks
cted	60			I	II	P.T	
		59	95.2	16	14	18	15
		56	88.7	20	20	20	20
		54	87.1	16	17	19	17
		56	91.9	16	18	14	17
		59	93.5	11	15	17	13
		56	90.3	14	14	16	14
		58	93.5	19	20	20	20
		58	74.0	A	A	A	
		54	87.5	19	16	14	18
		58	87.6	17	17	14	17
		56	90.3	19	17	14	18
		55	88.7	12	13	18	13
		58	93.6	11	13	8	12
		61	98.38	18	19	14	19
		55	88.7	19	17	18	18
		55	88.7	15	16	12	16
		56	90.3	16	12	16	14
		56	90.3	20	20	20	20
		55	88.7	15	14	17	15
		57	91.9	20	20	18	20
		58	93.6	18	20	19	19
		56	90.3	20	18	19	19
		55	88.7	18	20	18	19
		57	91.9	18	15	13	17
		55	88.7	19	19	14	19
		60	96.7	16	15	13	16
		59	95.1	20	19	19	20
		56	90.3	20	20	20	20
		57	91.9	16	17	13	17
		59	95.1	18	19	18	19

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MILJY ODBIDRI - 574 225

ATTENDANCE CUM INTERNAL ASSESSMENT

Class : 2nd year 5th sem
Subject : FACPT
No. of Classes held : 62

No. of Classes held : 62			Date / Month																														
Sl. No.	U.S.N.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
1	21AG031	SNEHA M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
2	21AG032	SUSHA S SHETTY	A	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
3	21AG033	SUTHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
4	21AG034	TARUN K	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
5	21AG035	TEJASKUMAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
6	21AG036	USAMA MEHABOOSAB	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
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30																																	
Staff Initials																																	

Sl. No.	No. of Class Attended	% of Attendance	Internal Assessment (25)			Average Marks
			I	II	III	
1	55	88.7	20	20	20	20
2	58	91.9	19	14	17	13
3	55	88.7	17	18	13	18
4	60	96.7	15	19	16	17
5	60	96.7	20	20	20	20
6	58	92.5	17	14	17	16
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[illegible]

AIET	INTERNAL EXAM RESULT ANALYSIS						Format No.	ACD 12
							Issue No.	01
							Rev. No.	00
Department	Agricultural Engineering						Semester	III
							Subject Code	21A632
Total No. of Students	36						Academic Year	2022-23
Test	Date	Number of Students				Signature		Remarks
		Attended	0-14	15-20	21-30	Faculty	HOD	
T ₁	8/12/22	35	0	2	33	82	24	
T ₂	23/1/23	35	0	4	31	82	82	
T ₃	24/3/23	35	0	2	33	82	82	
T ₄								
T ₅								

Hashikuma
nature of Staff in - charge

Hashikuma
HOD's Signature
H.O.D.

Dept. of Agricultural Engineering
Alva's Institute of Engg & Technology
Mijar, Moodubidire - 574225