



Integral University, Lucknow  
Integral Institute of Agricultural Science and Technology  
Evaluation Scheme of Undergraduate program  
B. Tech. Agricultural Engineering  
w.e.f. Session 2021-22  
Semester – VII

Course Code	Course	Periods/Per week			Evaluation Scheme Theory Mid sem			Evaluation Scheme Practical Mid sem			End Sem Practical Exam	Sub Total (Sessional + Practical Exam)	End Sem Theory Exam	Subject total	Credit	Total Credit Points	Attributes							United Nations Sustainable Development Goals (SDGs)
		L	T	P	C T	T A	Total	C T	T A	Total							Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value	Professional Ethics	
AE441	10- weeks Industrial Attachment /Internship (Student READY)	-	-	-	-	-	-	5	5	10	90	100	-	100*	0:0:10	10	√	√	√		√	√	√	4
AE442	10- weeks Experiential Learning On campus (Student READY)	-	-	-	-	-	-	5	5	10	90	100	-	100*	0:0:10	10	√	√	√		√	√	√	4
AE443	Skill Development Training-II (Student READY) Registration only	-	-	-	-	-	-	5	5	10	90	100	-	100*	0:0:05	05	√	√	√		√	√	√	4
AE444	Educational Tour (Registration only)	-	-	-	-	-	-	5	5	10	90	100	-	100*	0:0:02	02			√		√	√	√	
<b>Total</b>														<b>100</b>		<b>27</b>								

**Breakage of Marks**

S. No.	Component	Max. Marks
<b>Component I</b>		
1.	Presentation	10
2.	Report	15
3.	Project Work	25
4.	Viva	25
5.	Conduct and Behavior	10
6.	Attendance during attachment in Industry / Institute	10
7.	Attendance at the Institute	05
<b>Total</b>		<b>100</b>





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**Semester – VIII**

Course Code	Subject	Periods Per h/week/sem			Evaluation Scheme Theory Mid sem			Evaluation Scheme Practical Examination				End sem Theory Exam	Subject total	Credit	Total Credit Points	Attributes							United Nations Sustainable Development Goals (SDGs)	
								Sessional			End sem exam					Sub Total (sessional + exam)	Employability	Entrepreneurship	Skill Development	Gender Equality	Environment & Sustainability	Human Value		Professional Ethics
		L	T	P	CT	TA	Total	CT	TA	Total														
AE447	Project Planning and Report Writing (Student READY)	0	0	0	0	0	0	5	5	10	90	100	0	100	0:0:10	10(0+10)	√	√	√		√	√	√	
AE448	Floods and Control Measures	2	0	2	10	10	20	5	5	10	20	50	50	100	2:0:1	3(2+1)	√	√	√		√	√	√	3
AE449	Wasteland Development	2	0	2	10	10	20	5	5	10	20	50	50	100	2:0:1	3(2+1)	√	√	√		√	√	√	
AE450	Information Technology for Land and Water Management	2	0	2	10	10	20	5	5	10	20	50	50	100	2:0:1	3(2+1)	√	√	√		√	√	√	
AE451	Remote Sensing and GIS Applications	2	0	2	10	10	20	5	5	10	20	50	50	100	2:0:1	3(2+1)	√	√	√		√	√	√	
AE452	Management of Canal Irrigation System	2	0	2	10	10	20	5	5	10	20	50	50	100	2:0:1	3(2+1)	√	√	√		√	√	√	
AE453	Minor Irrigation and Command Area Development	2	0	2	10	10	20	5	5	10	20	50	50	100	2:0:1	3(2+1)	√	√	√		√	√	√	
AE454	Precision Farming Techniques for Protected Cultivation	2	0	2	10	10	20	5	5	10	20	50	50	100	2:0:1	3(2+1)	√	√	√		√	√	√	
AE455	Water Quality and Management Measures	2	0	2	10	10	20	5	5	10	20	50	50	100	2:0:1	3(2+1)	√	√	√		√	√	√	6
AE456	Landscape Irrigation Design and Management	2	0	2	10	10	20	5	5	10	20	50	50	100	2:0:1	3(2+1)	√	√	√		√	√	√	
AE457	Plastic Applications in Agriculture	2	0	2	10	10	20	5	5	10	20	50	50	100	2:0:1	3(2+1)	√	√	√		√	√	√	
AE458	Mechanics of Tillage and Traction	2	0	2	10	10	20	5	5	10	20	50	50	100	2:0:1	3(2+1)	√	√	√		√	√	√	
AE459	Farm Machinery Design and Production	2	0	2	10	10	20	5	5	10	20	50	50	100	2:0:1	3(2+1)	√	√	√		√	√	√	9
AE460	Human Engineering and Safety	2	0	2	10	10	20	5	5	10	20	50	50	100	2:0:1	3(2+1)	√	√	√		√	√	√	
AE461	Tractor Design and Testing	2	0	2	10	10	20	5	5	10	20	50	50	100	2:0:1	3(2+1)	√	√	√		√	√	√	9
AE462	Hydraulic Drives and	2	0	2	10	10	20	5	5	10	20	50	50	100	2:0:1	3(2+1)	√	√	√		√	√	√	2, 12



