

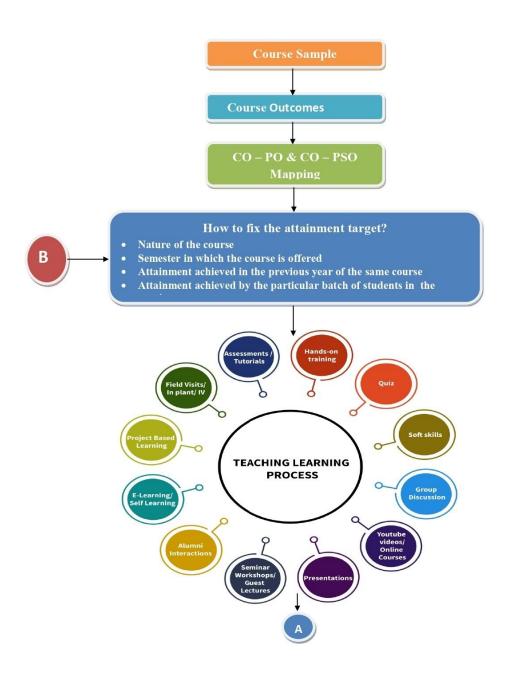
(AUTONOMOUS)



## **DEPARTMENT OF AGRICULTURAL ENGINEERING**

Attainment of Course Outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes (PSOs)

The PO and PSO are evaluated using Microsoft excel that simplifies CO, PO and PSO attainment calculation for every course.

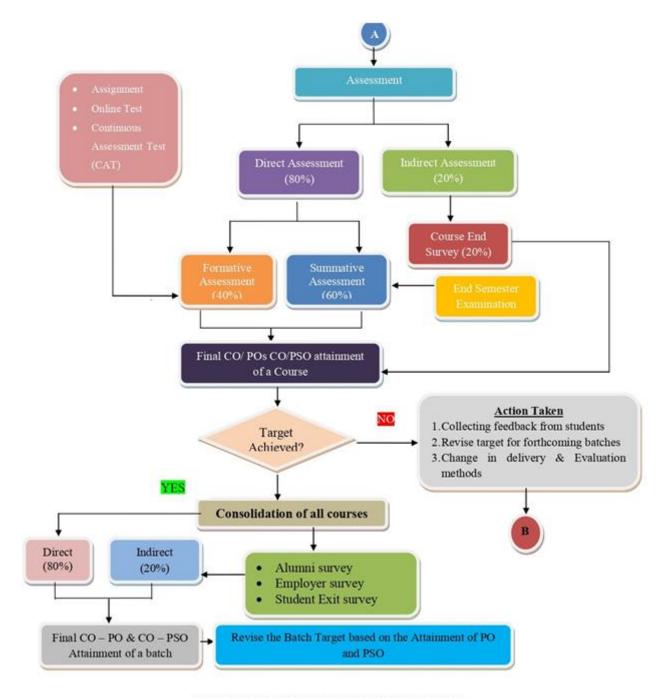




(AUTONOMOUS)



## **DEPARTMENT OF AGRICULTURAL ENGINEERING**



PROCESS OF ATTAINMENT CALCULATION

Fig. 1. Assessment method to assess the attainment of the Course Outcomes



(AUTONOMOUS)



#### **DEPARTMENT OF AGRICULTURAL ENGINEERING**

#### 1. Direct Assessment Tools

Assessment methods used are grouped into 4 categories:

- (1) Continuous Assessment Tests (CAT)
- (2) Assignments
- (3) Online Tests
- (4) End Semester Examination (ESE).

Direct CO Attainment = 60% Weightage of End Semester Examination + 30% of CAT + 5% of Assignment + 5% of Online test

#### 2. Indirect Assessment Tools

Indirect assessment is calculated from **course end survey** reports collected at the end of every semester for each course. In the form students will provide their feedback on 3-point scale as follows:

- 3 Good
- 2 Satisfactory
- 1 Needs to improve

After collection of individual survey forms, the marks for COs are calculated based on the following formula:

CO attainment = [(No. of Students given Good X 3 + No. of Students given Satisfactory X 2 + No. of Students given Needs to improve X 1) / (No of Students X 3)] \*100

The above formula is used to calculate the marks for indirect attainment of each COs of all the courses in the curriculum in the respective regulation.

#### **Final Overall CO Attainment**

Final CO attainment for each course is calculated based on the contribution of direct and indirect assessments as per the weightage given below:

- 1. Direct Assessment (80%)
- 2. Indirect Assessment (20%)

Final CO attainment level = (80% Direct assessment + 20 % Indirect assessment)



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## **DEPARTMENT OF AGRICULTURAL ENGINEERING**

#### **Regulation 2017**

#### Table 1 Internal and End Semester Mark Split-up for various Courses of

S.No.	Category of Course	Internal Marks	End Semester Exam (ES) Marks	Total Marks
a.	Theory course	40	60	100
b.	Embedded course	40	60	100
c.	Laboratory courses /Project work	50	50	100
d.	Employability Enhancement courses (EEC), Mini project, Human excellence courses, constitution of India, etc.,	100	-	100

#### **Regulation 2022**

#### Table 2 Ratio of Internal and End Semester Mark Split up for various Courses

S.No.	Category of Course	Internal Marks	End Semester Exam (ES) Marks	Total Marks
a.	Theory course	40	60	100
b.	Embedded course	50	50	100
c.	Laboratory courses	60	40	100
d.	Project work	50	50	100
e.	Employability Enhancement courses (EEC), Mini project, Human excellence courses, constitution of India, etc.,	100	-	100



(AUTONOMOUS)



## **DEPARTMENT OF AGRICULTURAL ENGINEERING**

# **Regulation 2017**



(AUTONOMOUS)



## **DEPARTMENT OF AGRICULTURAL ENGINEERING**

#### INTERNAL ASSESSMENT PROCESS

#### **Table 3 Internal Assessment Process for Theory Courses**

S. No	Components for Continuous Assessment Marks	Syllabus Coverage for the test	Duration of the test in Hrs.	Marks (max.)					
1	Continuous Assessment I	1- 2.5 units	1.5 Hrs.	50 Marks is					
2	Continuous Assessment II / Project Based Learning Review	2.5 -5 units	1.5 Hrs.	reduced to 15. $2x15 = 30$					
4	Assignment I	nent I 1- 2.5 units -		2.5					
5	Assignment II	2.5 -5 units	-	2.5					
6	Online Test I	1- 2.5 units	1	2.5					
7	Online Test II	2.5 -5 units	1	2.5					
	TOTAL								

#### **Table 4 Internal Assessment Process for Laboratory Courses**

S. No.	Components for Internal Marks	Marks (max.)					
1	Record Marks (Out of 100)	December 1 - 1 Medal Franchis (I + II)					
2	Model Exam I (Out of 50)	RecordMarks + Model Exam Marks (I + II)  4					
3	Model Exam II (Out of 50)						
	TOTAL	50					

#### **Table 5 Internal Assessment for Embedded Courses**

S.No.	Components for Continuous Assessment Marks	Syllabus Coverage for the test	Duration of the test in Hrs.	Marks (max.)	
1	Continuous Assessment I	1- 2.5 units	1.5Hrs.		
2	Continuous Assessment II	2.5 -5 units	1.5Hrs.	$2 \times 7.5 = 15$	
5	Continuous assessment of all experiments	All Experiments	-	5	
6	End Semester Exam for Lab	All Experiments	3Hrs	20	
			TOTAL	40	



(AUTONOMOUS)



## **DEPARTMENT OF AGRICULTURAL ENGINEERING**

#### END SEMESTER ASSESSMENT PROCESS

#### **Table 6 Scheme of Assessment for Non-Embedded Courses**

			Marks Breakup*									
		<b>Continuous Assessment Components</b>								End Semester Components		
S.No.	Course Type	CAT 1	CAT 2	Other Assessments #	Average of marks for all Experiments& viva voce	Model exam / report	Zeroth Review	Review 1	Review 2	Written exam	Practical exam and Viva-voce	Project Report and Viva-voce
1	Theory	15 (50)	15 (50)	10	-					60 (100)		
2	Lab				40	10					50 (100)	
3	Project						10 (20)	20 (40)	20 (40)			50 (100)

Mark weightage (denoted in red) and maximum marks for the exam conducted (inside brackets). The maximum marks could vary depending on the credit component for lecture/ laboratory/ project.

# Assignments and online tests



(AUTONOMOUS)



**Table 7 Assessment Process for Theory Embedded Courses** 

					Mark Breakup*								
				Continu		End Semester Components							
S.No.	Course Type	CATI	CAT II	Other Assessments#	Average of all Experiments	End Semester Exam for Lab	Review 1	Review 2	Project Report	Written exam	Practical exam	Practical Exam Viva-	voce
1	Theory	7.5 (50)	7.5 (50)							60 (100)			
	Lab				5	20							
n	Compor Weight ratio for nark calcu	age final		weight compo	The final mark of a student for an embedded course will be the weighted average of the marks obtained in the theory and lab components, with weights proportional to the credits of the corresponding component.								0

<sup>\*</sup> Mark weightage (denoted in red) and maximum marks for the exam conducted (inside brackets). The maximum marks could vary depending on the credit for lecture/ laboratory/ project.

**Table 8 Assessment Process for Laboratory Courses** 

S.No.	Description	Weightage			
1	Continuous Assessment Test (CAT)				
	a. Record Max.marks (100)				
	b. Model Exam I Max.marks (50)	RecordMarks + Model Exam (I + II)  4			
	c. Model Exam II Max. marks (50)	•			
	d. Total	50			
2	End Semester Exam Marks (ESM)				
	a. Practical Examination Max. marks (100)	50			
	Total	100			



(AUTONOMOUS)



## **DEPARTMENT OF AGRICULTURAL ENGINEERING**

# **Regulation 2022**



(AUTONOMOUS)



## **DEPARTMENT OF AGRICULTURAL ENGINEERING**

#### INTERNAL ASSESSMENT PROCESS

#### **Table 9 Internal Assessment Process for Theory Courses**

S. No	Components for Continuous Assessment Marks	Syllabus Coverage for the test	Duration of the test in Hrs.	Marks (max.)
1	Continuous Assessment I	1- 2.5 units	1.75 Hrs.	60
2	Continuous Assessment II	2.5 -5 units	1.75 Hrs.	60
4	Assignment I	1- 2.5 units	20	
5	Assignment II	nent II 2.5 -5 units -		20
6	Online Test I	1- 2.5 units	-	15
7	Online Test II	2.5 -5 units	-	15
8	Seminar	Max 0.5 Hrs.	10	
	ТОТА	200 (Converted to 40 marks)		

#### **Table 10 Internal Assessment Process for Laboratory Courses**

S. No.	Components for Internal Marks	Marks (max.)	Weightage
1	Record Marks	100	75
2	Model Exam I	50	12.5
3	Model Exam II	50	12.5
	TOTAL	100 (Converted to 60 marks)	



(AUTONOMOUS)





#### **Table 11 Internal Assessment for Embedded Courses**

S.No.	Component	Components for Continuous Assessment Marks	Syllabus Coverage for the test	Duration of the test in Hrs.	Marks (max.)
1		Continuous Assessment I	1- 2.5 units	1.75 Hrs.	
2		Continuous Assessment II	2.5 -5 units	1.75 Hrs.	200
4		Assignment I	1- 2.5 units	-	(Converted to 25 marks)
5	Theory	Assignment II	2.5 -5 units	-	
6		Online Test I	1- 2.5 units	-	Marks split-up are explained in
7	Online Test II		2.5 -5 units	-	Table H
8		Seminar	1 – 5 units	Max 0.5 Hrs.	
9		Record Marks (Max. Marks 100, Converted to 75 marks)	All experiments	-	100
10	Experiments	Model Exam I (Max. Marks 50, Converted to 12.5 marks)	First half of the experiments	2.5 Hrs	100 (Converted to 25 marks)
11		Model Exam II (Max. Marks 50, Converted to 12.5 marks)	second half of the experiments	2.5 Hrs	
		TOTAL			50



(AUTONOMOUS)



## **DEPARTMENT OF AGRICULTURAL ENGINEERING**

#### END SEMESTER ASSESSMENT PROCESS

#### **Table 12 Scheme of Assessment for Non-Embedded Courses**

			Marks Breakup*										
			Continuous Assessment Components								<b>End Semester Components</b>		
S.No.	S.No. Course Type		CAT 2	Other Assessments #	Average of marks for all Experiments& viva voce	Model exam / report	Zeroth Review (100)	Review 1 (100)	Review 2 (100)	Written exam	Practical exam and Viva-voce	Project Report and Viva-voce	
1	Theory		40 (200)							60 (100)			
2	Lab				60 (75 + + 12 (100 + 50	12.5 .5) 50 +					40 (100)		
3	Project							50 + 40 + + + 100 +				50 (100)	

<sup>\*</sup> Mark weightage (denoted in red) and maximum marks for the exam conducted (inside brackets). The maximum marks could vary depending on the credit component for lecture/ laboratory/ project.

# Assignments, seminar and online tests



(AUTONOMOUS)



**Table 13 Assessment Process for Theory Embedded Courses** 

						N	Mark Bre	akup*			
			Cont	inuous A	Assessmer	nt Com	ponents			nd Semester Components	
S.No.	Course Type	CATI	CAT II	Other Assessments #	Average of all Experiments	Review 1	Review 2	Project Report	Written exam	Practical exam	Practical Exam Viva- voce
	Theory		25 (200)						50 (100)		
1	Lab						5 5 +12.5) 50 + 50)				
n	Compor Weight ratio for nark calcu	tage weighted average of the marks obtained in the theory and late components, with weights proportional to the credits of the								and lab	

<sup>\*</sup> Mark weightage (denoted in red) and maximum marks for the exam conducted (inside brackets). The maximum marks could vary depending on the credit for lecture/ laboratory/ project.

**Table 14 Assessment Process for Laboratory Courses** 

S.No.	Description	Weightage
1	Continuous Assessment Test (CAT)	
	e. Record Max.marks (100)	75
	f. Model Exam I Max.marks (50)	12.5
	g. Model Exam II Max. marks (50)	12.5
	h. Total	100 (Converted to 60 marks)
2	End Semester Exam Marks (ESM)	
	b. Practical Examination Max. marks (100)	40
	Total	100



(AUTONOMOUS)



## **DEPARTMENT OF AGRICULTURAL ENGINEERING**

#### Record the attainment of Course Outcomes of all courses with respect to set attainment levels

Program shall set Course Outcome attainment levels for all courses.

#### **Measuring CO attainment through Cumulative Internal Examinations (CIE)**

Target may be stated in terms of percentage of students getting more than class average marks or set by the program in each of the associated COs in the assessment instruments (midterm tests, assignments, mini projects, reports and presentations etc. as mapped with the COs)

#### **Measuring Course Outcomes attained through Semester End Examinations (SEE)**

Target may be stated in terms of percentage of students getting equal or more than the target set by the Program in SEE for each CO.



(AUTONOMOUS)





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SAMPLE ATTAINMENT FORMAT



(AUTONOMOUS)



NAMED A STOCK	ERING COLUMN											, (AUT JLTUR/											
P.r.	TL SEE											NT TES											
۸۲۸	DEMIC	VEAR										CODE											
	ESTER									ULTY													
									FAC	ULITI	VAIVIE	•											
Each question ex			attain	ment :													1						
тот	AL STRI	NGTH																Marks	Marks	Marks			
ROLL NO	A1(2)	A2(2)	A3(2)	A4(2)	A5(2)	A6(2)	B1(a)	B1(b)	B2(a)	B2(b)	B3(a) i	B3(a) ii	B3(a) iii	B3(b) i	B3(b) ii	B3(b) iii	TEST SCORE	Secured in CO1		Secured in CO3	Atta	inmen	ı <b>t</b> %
Marks	2	2	2	2	2	2	16	16	16	16	4	4	8	4	4	8	60	24	24	12	CO1	CO2	СО
Expected Marks																							
to attainment																					Targ	et :	%
со	1	1	2	2	3	3	1	1	2	2	1	2	3	1	2	3		1	2	3			
21AG001																							
21AG002																							
21AG003																							$\perp$
21AG004																							$\vdash$
21AG005																							$\perp$
21AG006																							$\vdash$
21AG007																							₩
21AG008																							
-																							
•																							
•																							
No of students																							_
scores upto																						Average	
expected level																					atta	ainmen	ıt %
% of scoring																							Г
above the																							
attainment level																							
					2. Cour	se Out	come a	ttainme	nt leve	l indic	tor												
%	>69	>49	<50																				
3 point scale	3	2	1																				
ATTAINMENT																							
LEVEL OF ALL CO	CO1	CO2	CO3																				
ATTAINMENT %																							
ATTAINMENT IN																							
3 POINT																							
SCALE(1,2 or 3)																							
Mapping with PO																							
Mapping with																							

Fig. 2. Assessment method to assess the Continuous Assessment Test – I



(AUTONOMOUS)



MANDRA ING/NEIENG COLLEGE								DEPA	RTMENT	OF AGE	RICULTU	RAL ENG	INEERIN	IG									
HIN								CON	ITINOUS	ASSESSI	MENT TE	ST - II A	NALYSI	S									
AC	ADEMIC	YEAR:							COURS	ENAME	& CODE	:											
	ESTER :									TY NAN													
Each question expected		attainme	nt:						171001		·-·												
	TAL STRE																	Marks	Marks	Marks			
ROLL NO	A1(2)	A2(2)	A3(2)	A4(2)	A5(2)	A6(2)	B1(a)	B1(b)	B2(a)	B2(b)	B3(a)	B3(a)	B3(a)	B3(b)	B3(b)	B3(b)	TEST	Secured	Secured	1 1	At	tainment	%
											i	ii	iii	i	ii	iii	SCORE	in CO3	in CO4	in CO5			
Marks	2	2	2	2	2	2	16	16	16	16	4	4	8	4	4	8	60	12	24	24	CO3	CO4	COS
Expected Marks to attainment																					Tar	get :	%
CO	3	3	4	4	5	5	4	4	5	5	4	5	3	4	5	3		3	4	5	Idi	get.	70
21AG001		-		_	•	•	-	-	<u> </u>	_		_	-	_		-		-					
21AG002																							
21AG003																							
21AG004																							
21AG005																							
21AG006																							
21AG007																							
21AG008																							
No of students scores																							
upto expected level																					Averag	ge attainr	nent %
(70%)																							
% of scoring above the																							
attainment level																							
					2.	Course O	utcome a	ttainmer	t level in	dicator													
%	>69	>49	<50																				
3 point scale	3	2	1																				
ATTAINMENT LEVEL	CO3	CO4	CO5																				
OF ALL CO																							
ATTAINMENT %																							
ATTAINMENT IN 3																							
POINT SCALE(1,2 or 3) Mapping with PO																							
Mapping with PSO																							

Fig. 3. Assessment method to assess the Continuous Assessment Test – II



(AUTONOMOUS)



NAN			COLLEG			OUS), ERODE- IEERING	52.
BANDON (BICINETRINO) (DCLIG)			GNMENT				
ACADEMIC YEA	AR:		COURSE	NAME	& CODE	:	
	IESTER :			Y NAME:			
	uestion Exp	ected Leve					
	•		RENGTH =				
	A1/2\	V3(3)	V3(3)	A4(2)	A5(6)	TEST SCORE	
ROLL NO	A1(2)	A2(2)	A3(2)			TEST SCORE	
со	1	1	2	2	1	20	
Marks	4	4	4	4	4		OUT OF 2.5
Expected Marks to attainment							
21AG001							
21AG002							
21AG003							
21AG004							
21AG005							
21AG006							
21AG007							
21AG008							
-							
-							
No of students							
scores upto							
expected level							
% of scoring							
above the							
attainment							
level							
2. Cour	se Outcome	attainme	nt level in	dicator 2	1		
Range o	f attainmen	t					
ge u		-	>70	50-70	<50		
Mapping with CO	CO1	CO1	CO2	CO2	CO1		
Attainment level of each CO							
ATTAINMENT							
LEVEL OF ALL CO	CO1	CO2	соз				
ATTAINMENT IN							
3 POINT							
SCALE(1,2 or 3)							
Mapping with PO							
Mapping with PSO							

Fig. 3. Assessment method to assess the Continuous Assignment – I



(AUTONOMOUS)



NAN			COLLEG			OUS), ERODE-	52.
MANDONA ENGINEERING COLLEGE	DEFAIL		GNMENT			VELINING	
ACADEMIC YEA	ΔR:	7,551	COURSE			•	
	ESTER:			NAME:			
	uestion Exp	ected Lev					
			RENGTH =				
ROLL NO	A1(2)	A2(2)	A3(2)	A4(2)	A5(6)	TEST SCORE	
со	3	4	4	5	5	20	
Marks	4	4	4	4	4		OUT OF 2.5
Expected Marks to attainment							
21AG001							
21AG002							
21AG003							
21AG004							
21AG005							
21AG006							
21AG007 21AG008							
21AG008							
No of students							
scores upto							
expected level							
% of scoring							
above the							
attainment							
level		L					
2. Cour	se Outcome	attainme		dicator 2	1		
Range o	f attainmen	t	3		1		
			>70	50-70	<50		
Mapping with CO	соз	CO4	CO4	CO5	CO5		
Attainment level of each CO							
ATTAINMENT LEVEL OF ALL CO	соз	CO4	CO5				
ATTAINMENT IN 3 POINT SCALE(1,2 or 3)							
Mapping with							
Mapping with PSO							

Fig. 4. Assessment method to assess the Continuous Assignment – II



Mapping with PSO

## NANDHA ENGINEERING COLLEGE

(AUTONOMOUS)



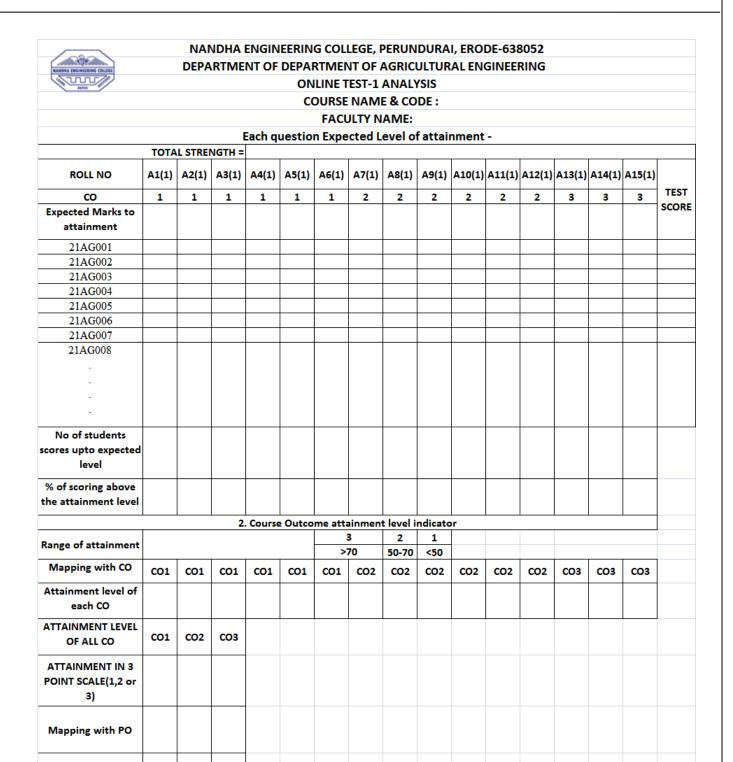


Fig. 5. Assessment method to assess the Continuous Online Test - I



(AUTONOMOUS)





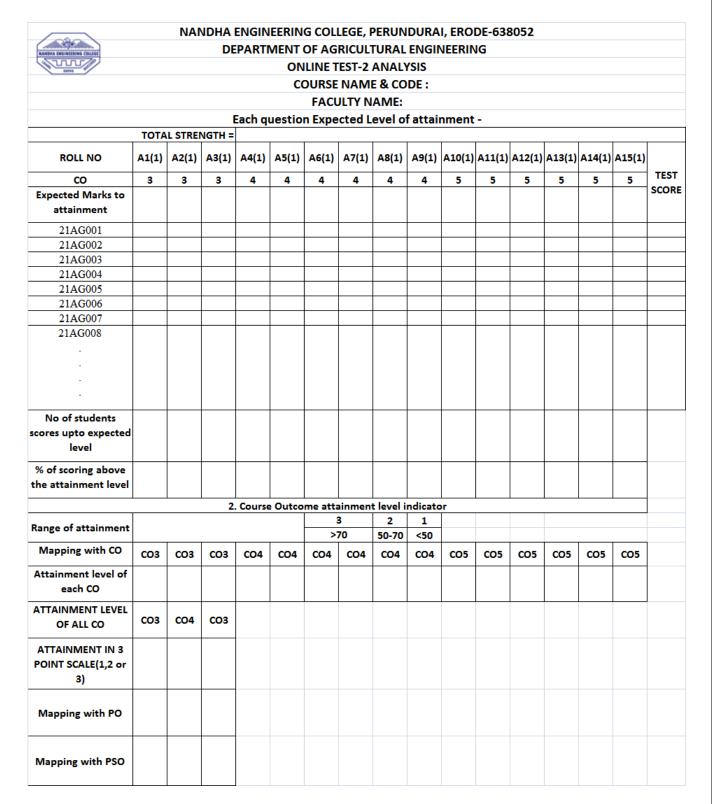


Fig. 6. Assessment method to assess the Continuous Online Test – II



(AUTONOMOUS)



							N/	NDI	HA E	NGII	NEEF	RING	co	LLEG	E, (A	UTC	NO	MOL	JS), E	EROI	DE-52.										
HANDIA ENGINEERING CO	uitt								DEP	ART	MEI	NT O	FAC	RIC	ULTU	JRAI	. EN	SINE	ERIN												
BETON				\/= A	_					END	SEN	/IEST		XAN																	
				YEA	R:									URSI				DE:													
			TER										F/	ACUI	LTY N	IAN	IE:														
Each question expect																															
	TC	TAL	STRE	NGTH	_												_		-			Marks	Marks	Marks	Marks	Marks					
ROLL NO	A1	A2	АЗ	A4	<b>A5</b>	A6	A7	A8	А9	A10	B11 (a)	B11 (b)	B12 (a)			B13 (b)			B15 (a)	B15 (b)		Secured in CO1	Secured in CO2	Secured in CO3	Secured in CO4			Atta	inme	nt %	
Marks	2	2	2	2	2	2	2	2	2	2	16	16	16	16	10	16	12	8	12	16	100	20	20	20	20	20	CO1	CO2	соз	CO4	С
Expected Marks to attainment																												Tar	get :	%	
со	1	1	2	2	3	3	4	4	5	5	1	1	2	2	3	3	4	4	5	5		1	2	3	4	5	1				
21AG001	-	-	É	<u> </u>	<b>–</b>	<u> </u>	+-	<b>-</b>	,	Ť	Ė	Ė	Ļ	_	<u> </u>	,	Ť	Ť	۲,	_		<u> </u>	<u> </u>					I			Г
21AG001 21AG002				<u> </u>			t						$\vdash$	<u> </u>					1											-	Г
21AG002 21AG003				<u> </u>			1							1														1			
21AG004				<u> </u>			1							t					<u> </u>									1		-	Г
21AG005				-																								T		_	Г
21AG006				<u> </u>			<u> </u>						1	1					1									1		-	Г
21AG007																															Г
21AG008																														-	Г
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																														, '	
																															L
No of students scores upto																											۸.,,	erage			
expected level (70%)																											AVC	rage	attai	iiiiei	
% of scoring above the attainment level																															
				2	. Cou	_	Outco	_		ment	leve	lind	icato	r																	
%						>69		<50																							
3 point scale				-		3	2	1											-												
OF ALL CO	CO1	CO1	CO2	CO2	соз	соз	CO4	CO4	CO5	CO5	CO1	CO1	CO2	CO2	соз	соз	CO4	CO4	CO5	CO5											
ATTAINMENT %																															
ATTAINMENT IN 3																															
POINT SCALE(1,2 or 3)																															
ATTAINMENT LEVEL OF ALL CO	CO1	CO2	соз	CO4	CO5																										
ATTAINMENT IN 3 POINT SCALE(1,2 or 3)																															
Mapping with PO																															
Mapping with PSO																															

Fig. 7. Assessment method to assess the End Semester Examination



(AUTONOMOUS)



	DEPARTM	IENT OF AGRIC	CULTURAL ENGIN	NEERING		
		COURSE EI	ND SURVEY			
HANDRA ENGINEERING COLLEGE		cou	RSE NAME & CO	DDE:		
SERVE		FACUL	TY NAME:			
Indication:						
Good	3					
Satisfactory	2					
Needs Improvement	1					
Reg. No.	Question about understanding level of CO1	Question about understanding level of CO2	Question about understanding level of CO3	Question about understanding level of CO4	Question about understanding level of CO5	
21AG001						
21AG002						
21AG003						
21AG004						
21AG005						
21AG006						
21AG007						
21AG008						
-						
-						
-						
-						
-						
AVERAGE						

Fig. 8. Assessment method to assess the Course End Survey



(AUTONOMOUS)



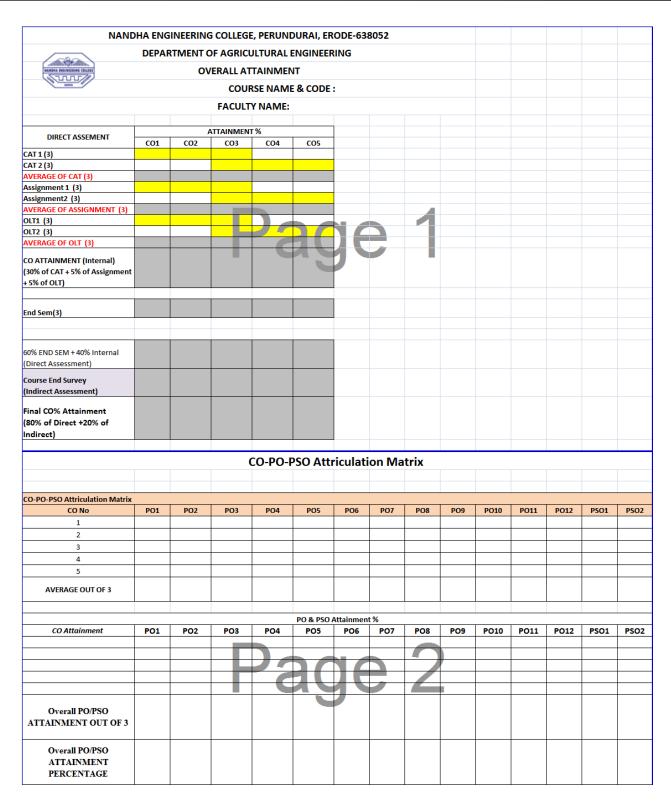


Fig. 9. Assessment method to assess the overall attainment of COs, POs and PSOs



(AUTONOMOUS)



## **DEPARTMENT OF AGRICULTURAL ENGINEERING**

# LABORATORY COURSE SAMPLE ATTAINMENT FORMAT



(AUTONOMOUS)



MANDRA DECRETARIO (DUISE)	DEPAR	INEERING COLLEGE,(AUTONOMOUS) RTMENT OF AGRICULTURAL ENGINEE CCADEMIC YEAR/ CLASS/ SEMESTER:	RING
SECT.		COURSE CODE & NAME:	
FACULTY N	AME :		
ATTAINME			Average of Experiments
SNO	REG NO	NAME	Total (75)
1	21AG001		
2	21AG002		
3	21AG003		
4	21AG004		
5	21AG005		
6	21AG006		
7	21AG007		
	21AG008		
8	-		
	-		
	-		
No of studen	its scores upto		
expected lev	_		
	above the attainment		
	2.	Course Outcome attainment level indicato	r
	3	2	1
Range of attainment	> 70	50 - 70	<50
Satisfaction a	attainment level el indicator		1
Mapping with	h CO	CO1, CO2,CO3, CO4	4 and CO5
ATTAINMEN	T LEVEL OF ALL CO		

Fig. 10. Assessment method to assess the experiments



(AUTONOMOUS)



		ERING COLLEGE,(AUTONOMOUS) EI	
AND DESCRIPTION OF THE PARTY OF		ENT OF AGRICULTURAL ENGINEERIN	NG
	ACAI	DEMIC YEAR/ CLASS/ SEMESTER:	
		COURSE CODE & NAME:	I
			MODEL 1
FACULTY NA	ME:		T
ATTAINMEN	IT:		
SNO	REG NO	NAME	Total (50)
1	21AG001		
2	21AG002		
3	21AG003		
4	21AG004		
5	21AG005		
6	21AG006		
7	21AG007		
8	21AG008		
	-		
	-		
No of student expected leve	s scores upto 1		
_	above the attainment		
	2. Cou	rse Outcome attainment level indicator	
	3	2	1
Range of attainment	> 70	50 - 70	<50
Satisfaction a based on leve	ttainment level l indicator		
Mapping with	СО	CO1, CO2,CO3	
ATTAINMEN	T LEVEL OF ALL CO		
Mapping with	PO		
Mapping with	PSO		

Fig. 11. Assessment method to assess the Model Exam - I



(AUTONOMOUS)



(n)a		ERING COLLEGE,(AUTONOMOUS) ER	
MANDAL ING/HEIRING COLLEGE		DEMIC YEAR/ CLASS/ SEMESTER:	
mur	ACA	COURSE CODE & NAME:	
			MODEL 2
FACULTY NA	AME:		
ATTAINMEN	NT:		
			Total (50)
SNO	REG NO	NAME	
1	21AG001		
2	21AG002		
3	21AG003		
4	21AG004		
5	21AG005		
6	21AG006		
7	21AG007		
8	21AG008		
	-		
No of student expected leve	s scores upto		
_	above the attainment		
	2. Cou	rse Outcome attainment level indicator	
	3	2	1
Range of attainment	> 70	50 - 70	<50
Satisfaction a based on leve	ttainment level l indicator		
Mapping with	CO	CO3, CO4,CO5	
ATTAINMEN	T LEVEL OF ALL CO		
Mapping with	PO		
Mapping with	PSO		

Fig. 11. Assessment method to assess the Model Exam – II



(AUTONOMOUS)



			NANDI		ERING COL				E - 52					
					IENT OF AG									
ATTOTAL STATE OF THE STATE OF T				ACA	DEMIC YEA	R/ CLASS/	SEMEST	R:						
NAME AND ADDRESS OF THE PARTY.					COURSE	CODE & N	AME:							
FACULTY NAME:						1								
FACULT NAIVIE.	ATTAINMENT %													
DIRECT ASSEMENT	CO1	CO2	CO3	CO4	COS									
Model 1														
Model 2														
AVERAGE OF MODEL														
AVERAGE OF EXPERIMENTS														
CO ATTAINMENT (45 % of model average + 15 % of experiments average) - Internal														
End Sem(3)														
40% END SEM + 60% Internal (Direct Assessment)														
Course End Survey (Indirect Assessment)														
Final CO% Attainment (80% of Direct +20% of Indirect)						7		4						
% CO attainment														
CO-PO-PSO Attriculation Mat	rix													
CO No	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1														
2														
3														
4														
5														
AVG PERCENTAGE														
AVERAGE OUT OF 3														
PO & PSO Attainment %														
CO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
0.00						1								
0.00														
0.00														
0.00														
0.00														
Overall PO/PSO ATTAINMENT PERCENTAGE														
Overall PO/PSO ATTAINMENT OUT OF 3														

Fig. 12. Assessment method to assess the overall attainment of laboratory course



(AUTONOMOUS)





EMBEDDED COURSE								
SAMPI	LE ATT	ra tnim	FNT	FORM	[ <b>A T</b>			



(AUTONOMOUS)



#### DEPARTMENT OF AGRICULTURAL ENGINEERING

#### For theory component,

Assessment of CAT - 1, CAT - 2, Assignment - 1, Assignment - 2, Online test - 1, Online test - 2 and End Semester Examination are shown in Fig. 1, 2, 3, 4, 5, 6 and 7 respectively.

#### For experiment component,

Assessment of experiments, Model - 1 and Model - 2 are shown in Fig. 10, 11 and 12 respectively.

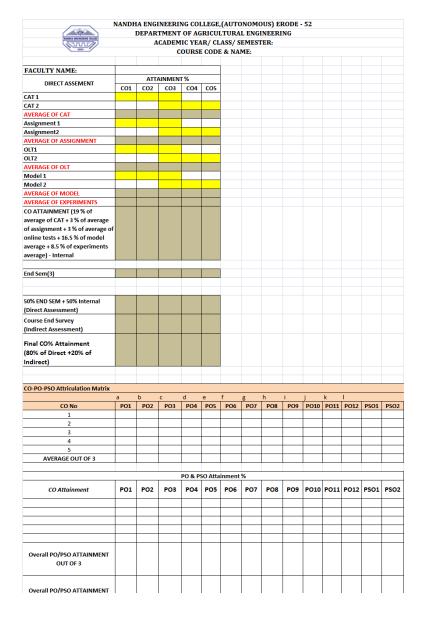


Fig. 13. Assessment method to assess the overall attainment of embedded course