



**Pradnya Niketan Education Society, Pune's**  
**N. K. ORCHID COLLEGE OF ENGINEERING**  
**& TECHNOLOGY, SOLAPUR**

NAAC Accredited, Approved by AICTE, New Delhi & Affiliated to DBATU, Lonere  
 E-mail : office@orchidengg.ac.in, Website : www.orchidengg.ac.in, Phone No. 9423084363  
 Post Box No. 154, Gut No. 16, Solapur-Tuljapur Road, Tale Hipparaga, Solapur- 413 002.

## Criteria-2: Teaching Learning and Evaluation

### 2.3. Teaching Learning Process

**2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools**

#### SUMMARY

ACADEMIC YEAR : 2022-23							
TABLE- 1							
Sr. No.	Student Centric Method	Number of students involved (Enter Total Number of Students)					
		NAME OF PROGRAM	CSE	MECH	EXTC	EL E	CIVIL
1	Experiential Learning	561	1031	679	597	256	-
2	Participative learning	3736	1062	650	604	883	-
3	Problem Solving Methods	139	258	219	39	152	-

TABLE- 2		Evidence Head (Enter the evidence heads considered)					
NAME OF PROGRAM		CSE	MECH	EXTC	ELE	CIVIL	FE
1	Experiential Learning	Industrial Training	Industrial Training	Industrial Training	Industrial Training	Industrial Visit	-
		Online Courses	Industrial Visit	Industrial Visit	Online Courses	Online Courses	-
		Add On Courses	Online Courses	Online Courses	Add On Courses	Add On Courses	-
		Virtual Lab and Video Recording	Add on Courses	Add on Courses	Virtual Lab & Animated And Recorded Videos	Virtual Lab& Animated Videos	-
		-	Animated And Recorded Videos	Recorded Video Lectures	-	-	-
2	Participative learning	National And International Competitions	National And International Competitions	Student Association Activities	Student Association Activities	Student Association Activities	-
		Student Association Activities	Student Association Activities	NSS Activities	NSS Activities	NSS Activities	-
		NSS Activities	NSS Activities	Institute Magazine Activity	Institute Magazine Activity	Institute Magazine Activities	-
		Institute Magazine Activity	Institute Magazine Activity	-	-	-	-
3	Problem Solving Methods	System Design Projects	System Design Projects	Projects based on Societal and Industrial Problem	System Design Projects	FINAL YEAR PROJECTS	-
		-	Projects based on Societal and Industrial Problem	Online Problem solving Platforms	Projects based on Societal and Industrial Problem	-	-
		-	-	-	Projects in Industry	-	-



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## Criteria-2: Teaching Learning and Evaluation

### 2.4. Teaching Learning Process

**2.4.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools**

#### SUMMARY

ACADEMIC YEAR : 2021-22							
TABLE- 1							
Sr. No.	Student Centric Method	Number of students involved (Enter Total Number of Students)					
		NAME OF PROGRAM	CSE	MECH	EXTC	EL E	CIVIL
1	Experiential Learning	389	1241	413	475	737	-
2	Participative learning	3389	3843	760	2775	1424	-
3	Problem Solving Methods	31	148	68	64	114	-

TABLE- 2		Evidence Head (Enter the evidence heads considered)					
NAME OF PROGRAM	CSE	MECH	EXTC	ELE	CIVIL	FE	
<b>1</b>	<b>Experiential Learning</b>	Industrial Training	Industrial Training	Industrial Training	Industrial Training	Industrial Visit	-
		Online Courses	Industrial Visit	Industrial Visit	Online Courses	Online Courses	-
		Add On Courses	Online Courses	Online Courses	Add On Courses	Add On Courses	-
		Virtual Lab and Video Recording	Add on Courses	Add on Courses	Virtual Lab & Animated And Recorded Videos	Virtual Lab& Animated Videos	-
		-	Animated And Recorded Videos	Recorded Video Lectures	-	-	-
<b>2</b>	<b>Participative learning</b>	National And International Competitions	National And International Competitions	Student Association Activities	Student Association Activities	Student Association Activities	-
		Student Association Activities	Student Association Activities	NSS Activities	NSS Activities	NSS Activities	-
		NSS Activities	NSS Activities	Institute Magazine Activity	Institute Magazine Activity	Institute Magazine Activities	-
		Institute Magazine Activity	Institute Magazine Activity	-	-	-	-
<b>3</b>	<b>Problem Solving Methods</b>	System Design Projects	System Design Projects	Projects based on Societal and Industrial Problem	System Design Projects	FINAL YEAR PROJECTS	-
		-	Projects based on Societal and Industrial Problem	Online Problem solving Platforms	Projects based on Societal and Industrial Problem	-	-
		-	-	-	Projects in Industry	-	-



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## Criteria-2: Teaching Learning and Evaluation

### 2.5. Teaching Learning Process

**2.5.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools**

#### SUMMARY

ACADEMIC YEAR : 2020-21							
TABLE- 1							
Sr. No.	Student Centric Method	Number of students involved (Enter Total Number of Students)					
		NAME OF PROGRAM	CSE	MECH	EXTC	EL E	CIVIL
1	Experiential Learning	78	635	168	398	523	-
2	Participative learning	230	2771	907	1860	2087	-
3	Problem Solving Methods	135	157	107	47	130	-

TABLE- 2		Evidence Head (Enter the evidence heads considered)					
NAME OF PROGRAM		CSE	MECH	EXTC	ELE	CIVIL	FE
1	Experiential Learning	Online Course	Industrial Training	Industrial Training	Industrial Training	Industrial Training	-
		Add on Course	Online Courses	Industrial Visit	Online Courses	Online Courses	-
		-	Add on Courses	Online Courses	Add on Courses	Add on Courses	-
		-	Animated and Recorded Videos	Add on Courses	Virtual Lab & Animated & Recorded Videos	Virtual Lab & Animated Videos	-
		-	-	Recorded Video Lectures	-	-	-
2	Participative learning	Student Associations Activity	National And International Competitions	Student Association Activities	Student Association Activities	Student Association Activities	-
		NSS Activity	Student Association Activities	NSS Activities	NSS Activities	NSS Activities	-
		Magazine Activity	NSS Activities	Institute Magazine Activity	Institute Magazine Activity	Institute Magazine Activities	-
		-	Institute Magazine activity	-	-	-	-
3	Problem Solving Methods	System Design Projects	System Design Projects	Projects Based on Societal & Industrial Problem	System Design Projects	Final Year Projects	-
		Project Based on Societal & Industrial Problem	Projects Based on Societal & Industrial Problem	Online Problem Solving Platforms	Projects Based on Societal & Industrial Problem	-	-
		-	-	-	Projects in Industry	-	-



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## Criteria-2: Teaching Learning and Evaluation

### 2.6. Teaching Learning Process

**2.6.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools**

#### SUMMARY

ACADEMIC YEAR : 2019-20							
TABLE- 1							
Sr. No.	Student Centric Method	Number of students involved (Enter Total Number of Students)					
		NAME OF PROGRAM	CSE	MECH	EXTC	EL E	CIVIL
1	Experiential Learning	44	1558	371	323	1221	208
2	Participative learning	231	7405	1303	6509	5560	-
3	Problem Solving Methods	148	148	84	59	131	-

TABLE- 2		Evidence Head (Enter the evidence heads considered)					
NAME OF PROGRAM		CSE	MECH	EXTC	ELE	CIVIL	FE
1	Experiential Learning	Online Course	Industrial Training	Industry Supported Laboratories	Industrial Training	Industrial Training	Add on Courses
		Add on Course	Industrial Visit	Industrial Training	Industrial Visit	Industrial Visit	-
		-	Add on Courses	Recorded Video Lectures	Online Courses	Online Courses	-
		-	Animated & Recorded Videos	-	Add on Courses (Online)	Add on Courses	-
-	-	-	-	"Virtual Lab & Animated & Recorded	-	-	
2	Participative learning	National And International Competitions	National And International Competitions	Student Association Activities	National And International Competitions	Student Association Activities	-
		Student Associations Activity	Student Association Activities	NSS Activities	Student Association Activities	NSS Activities	-
		NSS Activity	NSS Activities	Institute Magazine Activity	NSS Activities	Institute Magazine Activities	-
		Magazine Activity	Institute Magazine Activity	-	Institute Magazine Activity	-	-
3	Problem Solving Methods	System Design Projects	System Design Projects	Projects Based on Societal & Industrial Problem	System Design Projects	Final Year Projects	
		Projects Based on Societal & Industrial Problem	Projects Based on Societal & Industrial Problem	Online Problem Solving Platforms	Projects Based On Societal & Industrial Problem		
					Projects In Industry		



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## Criteria-2: Teaching Learning and Evaluation

### 2.7. Teaching Learning Process

**2.7.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools**

#### SUMMARY

ACADEMIC YEAR : 2018-19							
TABLE- 1							
Sr. No.	Student Centric Method	Number of students involved (Enter Total Number of Students)					
		NAME OF PROGRAM	CSE	MECH	EXTC	EL E	CIVIL
1	Experiential Learning	101	1420	505	211	2338	111
2	Participative learning	1738	3142	746	2578	2881	-
3	Problem Solving Methods	130	139	63	34	140	-

TABLE- 2		Evidence Head (Enter the evidence heads considered)					
NAME OF PROGRAM		CSE	MECH	EXTC	ELE	CIVIL	FE
1	Experiential Learning	Online Courses	Industrial Training	Industry Supported Laboratories	Industrial Training	Industrial Training	Add On Courses
		Add On Courses	Industrial Visit	Industrial Training	Industrial Visit	Industrial Visit	-
		-	Online Courses	Online Courses	Online Courses	Online Courses	-
		-	Add On Courses	Recorded Video Lectures	-	Add On Courses	-
		-	Animated & Recorded Videos	-	-	-	-
2	Participative learning	National And International Competitions	National And International Competitions	Student Association Activities	Student Association Activities	Student Association Activities	-
		Student Association Activities	Student Association Activities	NSS Activities	NSS Activities	NSS Activities	-
		NSS Activities	NSS Activities	Institute Magazine Activity	Institute Magazine Activity	Institute Magazine Activities	-
		Institute Magazine Activity	Institute Magazine Activity	-	-	-	-
3	Problem Solving Methods	System Design Projects	System Design Projects	Projects Based On Societal And Industrial Problem	System Design Projects	Final Year Projects	-
		-	Projects Based On Societal And Industrial Problem	-	Projects Based On Societal And Industrial Problem	-	-
		-	-	-	Projects In Industry	-	-





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## Criteria-2: Teaching Learning and Evaluation

### 2.3. Teaching Learning Process

**2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools**

List of Documents through link:

1. Program wise number of activities for enhancing learning
2. Sample proofs of students certificates of various departments
3. Other relevant proof of activities

Academic Year	Name of Department	Additional Link
2022-23	Civil Engineering	<a href="#">View Document</a>
	Computer science& Engineering	<a href="#">View Document</a>
	Electronics & Telecom. Engineering	<a href="#">View Document</a>
	Electrical Engineering	<a href="#">View Document</a>
	Mechanical Engineering	<a href="#">View Document</a>
2021-22	Civil Engineering	<a href="#">View Document</a>
	Computer science& Engineering	<a href="#">View Document</a>
	Electronics & Telecom. Engineering	<a href="#">View Document</a>
	Electrical Engineering	<a href="#">View Document</a>
	Mechanical Engineering	<a href="#">View Document</a>
2020-21	Civil Engineering	<a href="#">View Document</a>
	Computer science& Engineering	<a href="#">View Document</a>
	Electronics & Telecom. Engineering	<a href="#">View Document</a>
	Electrical Engineering	<a href="#">View Document</a>
	Mechanical Engineering	<a href="#">View Document</a>
2019-20	Civil Engineering	<a href="#">View Document</a>
	Computer science& Engineering	<a href="#">View Document</a>
	Electronics & Telecom. Engineering	<a href="#">View Document</a>
	Electrical Engineering	<a href="#">View Document</a>
	Mechanical Engineering	<a href="#">View Document</a>
	General science & Engineering	<a href="#">View Document</a>
2018-19	Civil Engineering	<a href="#">View Document</a>
	Computer science& Engineering	<a href="#">View Document</a>
	Electronics & Telecom. Engineering	<a href="#">View Document</a>



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	<b>Electrical Engineering</b>	<a href="#"><u>View Document</u></a>
	<b>Mechanical Engineering</b>	<a href="#"><u>View Document</u></a>
	<b>General science &amp; Engineering</b>	<a href="#"><u>View Document</u></a>