



# SILVER OAK UNIVERSITY

## College of Technology (01)

### Bachelor of Technology in AE/CH/CE/IT/EC/CL/EE/ME

#### Subject Name: Induction Programme

#### Semester: I

#### Prerequisite:

1. Zell to study engineering and become professional

#### Objective:

1. When new students enter an institution, they come with diverse thoughts, backgrounds and preparations. It is important to help them adjust to the new environment.
2. Induction Program will be divided in 3 phases i.e. Initial Phase, Regular Phase and Closing Phase covered in first 3 weeks before commencement of Semester I.
3. Its purpose is to make the students feel comfortable in their new environment, open them up, set a healthy daily routine, create bonding in the batch as well as between faculty and students.
4. Various activities under the induction program in which the student would be fully engaged throughout the day for the entire duration of the program.

#### Teaching and Examination Scheme:

Teaching Scheme			Credits	Evaluation Scheme				Total Marks
L	T	P		Theory		Practical		
				Theory	Practical	Theory	ESE (PR)	
3 weeks plan			0	--	--	--	--	

#### Content:

##### 1 Introduction

Engineering colleges were established to train graduates well in the branch/department of admission, have a holistic outlook, and have a desire to work for national needs and beyond. The graduating student must have knowledge and skills in the area of his study. However, he must also have broad understanding of society and relationships. Character needs to be nurtured as an essential quality by which he would understand and fulfill his responsibility as an engineer, a citizen and a human being.

There is a mad rush for engineering today, without the student determining for himself his interests and his goals. This is a major factor in the current state of demotivation towards studies that exists among UG students.

The success of gaining admission into a desired institution but failure in getting the desired branch, with peer pressure generating its own problems, start of hostel life without close parental supervision at the same time, further worsens it with also a poor daily routine. To come out of this situation, a multi-pronged approach is needed. One will have to work closely with the newly joined students in making them feel comfortable, allow them to explore their academic interests and activities, reduce competition and make them work for excellence, promote bonding within them, build relations between teachers and students.

## 2 Induction Program

When new students enter an institution, they come with diverse thoughts, backgrounds and preparations. It is important to help them adjust to the new environment.

Induction Program will be divided in 3 phases i.e. Initial Phase, Regular Phase and Closing Phase covered in first 3 weeks before commencement of Semester I.

Its purpose is to make the students feel comfortable in their new environment, open them up, set a healthy daily routine, create bonding in the batch as well as between faculty and students.

The following are the activities under the induction program in which the student would be fully engaged throughout the day for the entire duration of the program.

### I. Initial Phase (First Day)

#### Institute & Department Orientation

- Orientation
- Know your university
- Know your Institute
- Know your Department
  - They should be told about what getting into institute, branch or department means what role it plays in society, through its technology. They should also be shown the laboratories, workshops & other facilities.

### II. Regular Phase (13 Day)

#### (1) Physical Fitness

- Light physical exercise & yoga, (Pranayama, Asanas)
- Daily routine of physical activity with games and sports (stretching, jumping, sit ups, Pushups, Jogging, Surya Namaskar)

#### (2) Innovative Artistry

- Painting, photography, sculpture, drama, poetry, pottery, music, dance etc.

#### (3) Human Values & Ethics

- Right Conduct – Contains values like self-help skills (modesty, self-reliance, hygiene etc.), social skills: good behavior, environment awareness etc. ethical skills: courage, efficiency, initiative, punctuality etc.
- Peace – Contains values like equality, focus, humility, patience, self-confidence, self-control, etc.
- Truth – Contains values like accuracy, fairness, honesty, justice, quest for knowledge, determination etc.
- Peaceful co-existence – Contains values like psychological (compassion, consideration, morality, forgiveness etc.) and social (brotherhood, equality, respect for others, environmental awareness etc.)
- Discipline – Contains values like regulation, direction, order etc.
  - Get students to explore and think by engaging them in a dialogue. It is best taught through group discussions and real-life activities rather than lecturing. The role of group discussions, however, with clarity of thought of the teachers cannot be over emphasized. It is essential for giving exposure, guiding thoughts, and realizing values.
  - Besides drawing the attention of the student to larger issues of life, it would build relationships between teachers and students which last for their entire 4-year stay and possibly beyond.

**(4) Communication Efficiency**

- Reading, writing and possibly, debating, enacting a play in etc.

**(5) Crash Course**

- Basic mathematics
- Basic Physics
- Basic computer familiarity.
- English Grammar

**(6) Expert Lectures by Eminent People**

- Lectures by eminent people, say, once a week. It would give the students exposure to people who are socially active or in public life.

**(7) KYC (Know Your City)**

- Visits to the landmarks of the city, Hospital, Orphanage, Science club, Industry, Research institute, Heritage places could be organized.

**(8) Visit to Technical Club**

- Visit different club in campus
- Stamp activity in Engineering

**(9) Informative Session**

- TEDx Talks.
- Government Policy documents for different schemes
- Video lectures from leaders and innovators.

### **III. Closing Phase (Last Day)**

The closing phase is the last day of the Induction Program and covering conclusion and summary of the Induction Program.

- Discussions and finalization presentation within each group.
- Instruct students regarding submission and examination of the Induction Program.
- Address by HODs/Senior faculties regarding branch/discipline and career option in respective branch.

**Schedule:**

The activities during the Induction Program would have an Initial Phase, a Regular Phase and a Closing Phase. The Initial and Closing Phases would be two days each

<b>Sr No</b>	<b>Phase and Activities</b>	<b>Hours</b>
<b>I.</b>	<b>Initial Phase</b>	<b>1 day (6 Hrs.)</b>
<b>II.</b>	<b>Regular Phase</b>	<b>13 Days</b>
(1)	Physical Fitness	13 Hours
(2)	Innovative Artistry	8 Hours
(3)	Human Values & Ethics	10 Hours
(4)	Communication Efficiency	10 Hours
(5)	Crash Course	12 Hours
(6)	Expert Lectures by Eminent People	3 Hours: One per Week
(7)	KYC (Know Your City)	1 Day (6 Hrs.)
(8)	Visit to Technical Club	10 Hours
(9)	Institute & Department Orientation	3 Hours
(10)	Informative Session	3 Hours: One per Week
<b>III.</b>	<b>Closing Phase</b>	<b>1 Day (6 Hrs.)</b>
<b>Total</b>		<b>90 Hours</b>

Week: 3(5 days per week)

Days: 15(6 Hours per day)

Total Hours: 90

**General Regulations:**

- a) Every student has to maintain a daily diary. Format of the diary is already given.
- b) After completion of the Induction program student has to prepare a report based on activities performed during the Induction program. Diary will be attached as Appendix in Report.
- c) 75% Attendance is required during Induction Program.
- d) This program will be noncredit subject but it will reflect in 1<sup>st</sup> Semester Marksheet as PASS or FAIL.
- e) Institute should appoint a mentor for a group of 20 to 30 students. Mentor can take help of senior students.
- f) If student gets admission transfer in other college during Induction Program the diary will be continued from previous college to new college.
- g) If student gets admission in middle of the Induction Program or student gets admission after Induction Program, it is responsibility of the institute to fulfill the criteria of the Induction Program.
- h) If student fails in the Induction program the student has to clear the same during subsequent Semester

**Evaluation Pattern:**

1. Induction Program is Mandatory course for each branch of Engineering.
2. It is mandatory for each student to clear Induction Program with PASS grade.
3. Grades for Induction Program are either PASS or FAIL and have no credits. Evaluation for Induction Program is based on the Induction Program Report prepared by a student from Student diary and student will be declared PASS or FAIL.
4. Student has to submit the Induction Program Report at the end of first semester dully approved by Mentor and HOD.
5. Evaluation of Induction Program will be done along with first Semester Term-Work Submission.
6. The evaluation is carried out by Internal Examiner from institute itself. The entry on the Mark portal will be PASS or FAIL, not marks.
7. The students who will FAIL have to reappear again after every 6 months as remedial exam.

**Guidelines for Program Report:**

- 1) Report should have minimum 20 pages.
- 2) Report must have One Photograph per Activity.
- 3) Report consists of Certificate, Index and Diary as Appendix.
- 4) Report should be dully signed by Mentor and HOD.
- 5) Index will have following sequence:

1.	<b>Initial Phase</b>
2	<b>Regular Phase</b>
a)	Physical activity
b)	Creative Arts
c)	Universal Human Values
d)	Literary
e)	Proficiency Modules
f)	Lectures by Eminent People
g)	Visits to local Areas or Industry
h)	Innovations
3	<b>Closing Phase</b>

**Format of Diary**

Enrolment/Roll No:

Name of Student:

<b>Day .....</b>		<b>Date:</b>
<b>Hour</b>	<b>Activities Done</b>	<b>Learning Outcomes</b>
<b>1</b>		
<b>2</b>		
<b>3</b>		
<b>4</b>		
<b>5</b>		
<b>6</b>		
<b>Signature of the Student</b>		<b>Signature of Mentor</b>

**Course Outcome:**