



GUJARAT TECHNOLOGICAL UNIVERSITY

(Established by Government of Gujarat under Gujarat Act No.: 20 of 2007)

ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી

(ગુજરાત સરકારના ગુજરાત અધિનિયમ ક્રમાંક : ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)

Ref. No. GTU/Acad/Induction2020/Ad-14

Date: 14/10/2020

Circular: Induction Program

Looking to the prevailing situation and as per the AICTE guidelines, the Induction Program for 1st Semester Bachelor of Engineering will be of Two weeks instead of Three weeks for this Academic Year 2020-21 only. The details for Two week Induction Program are as per below:

Preamble:

The goal of engineering education is to train engineering graduates well in branch of admission, have a holistic personality and must have desire to serve society and nation. It is expected that an engineering graduate work for solving the problems of society using the modern technologies and practices. That needs the broad understanding of the society and relationships. It is needed to cultivate the human values in engineering graduates to fulfil his responsibilities as an engineer, a citizen and a human being. Considering the various social backgrounds and whether a student comes from the urban or rural areas they differ in many of the life skills and their abilities and thinking. Their branch of admission may be due to rush; their interest in subject is question. They are facing the issues like hostel and settlements, pressures from peers and many related issues. To overcome such issues, it is necessary to create an environment for students so that they feel comfortable, find their interest and explore their inner beings, create bonding with other students, establish relation with teachers, work for excellence, get a broader view of life and practice human values to build characters. The Induction Program covers the various activities which enables them to overcome all such issues and motivates them to perform well in their chosen branch of admission.

Scheme:

Sr. No.	Phase and Activities Heads	Weightage
1.	Initial Phase	1 Day (6 Hrs)
2.	Regular Phase	8 Days
(a)	Virtual activity	8 Hours
(b)	Creative Arts	8 Hours
(c)	Universal Human Values	12 Hours
(d)	Literary	6 Hours
(e)	Proficiency Modules	8 Hours
(f)	Lectures by Eminent People	2 Hours: 2 Expert Lectures
(g)	Innovations	4 Hours
3.	Closing Phase	(6 Hrs)
Total		60 Hours

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Phases, Modules, Activities and Guidelines:

The activity during Induction Program would have an Initial Phase, a Regular Phase and a Closing Phase. The initial and closing phases would be one day each. The following is the guidelines indicating the possible activities under each phase of the Induction Program.

Initial Phase (First Day)		
Following are the activities to be carried on the first day: <ul style="list-style-type: none">● Orientation Programme● Know your Department/Institute● Know your university● Know hostel and other amenities● Information about Student Diary and Induction Program		
Regular phase (8 Days)		
The Regular Phase consists of 8 days, each day is of 6 hours. It covers all the 7 different activity modules. For each module, the objectives, suggested activities and guidelines are provided herewith. Institute can use additional relevant activities in additional in suggested activities for each of the phases.		
Module Name	Objectives	Suggested Activities
1. Virtual Activity (8 hours)	<ol style="list-style-type: none">1. Improve immunity and mental strength.2. Improve bone health.3. Examine the effect of nutrition, rest and other lifestyle factors that contribute to the better health.	<ol style="list-style-type: none">1. Online Yoga/ Pranayama session2. Online Motivation for physical exercise
Guidelines: <ul style="list-style-type: none">● Yoga/Pranayam followed by physical activities including various games.● Refer this link for Yoga/Pranayam https://s3-ap-southeast-1.amazonaws.com/ministry-of-yoga/images/1528106718.pdf		

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Module Name	Objectives	Suggested Activities
2. Creative Arts (8 Hours)	<ol style="list-style-type: none">1. Develop creativity and imagination through a range of complex activities.2. Improve the student's ability to control materials, tools and techniques.3. Develop increasing confidence in the use of visual and tactile elements and materials.	<ol style="list-style-type: none">1. Make a model of any physical object related to Engineering Design2. Crafting3. Painting4. Sculpture5. Pottery6. Music7. Dance

Guidelines:

- Use any activities leading to creative thing and practice.
- Show the video demonstrating the creative ideas and thinking
- Show the video demonstrating phenomenon performance using innovation in different areas of humanity and social science
- Demonstrate the story of leaders with the context of how with their creative vision, with all odds they achieved success

3. Universal Human Values (12 hours)	<ol style="list-style-type: none">1. Impart universal human values in students.2. Enable students to live in harmony within themselves, with family, with society and the nature.3. Initiate the process of self-exploration and self-investigation within themselves about their understanding of happiness.	<ol style="list-style-type: none">1. Showing Motivational Videos.2. Swachchhata Mission Activities.3. Awareness regarding environmental issues and remedies.4. Discuss autobiography of legendary persons who practiced universal human values in their life and work.
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Guidelines:

- Use the materials and activities covered in the FDP on Induction Program held at GTU organized by AICTE.
- The faculties trained from institute will take leadership role to rollout it at institute level.

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Module Name	Objectives	Suggested Activities
4. Literary (6 hours)	<ol style="list-style-type: none">1. Inculcate the habit of active (or interactive) consumption of the best content available in literature.2. Develop thinking skills.3. Improve reading abilities and attitude.	<ol style="list-style-type: none">1. Basic Mathematics for Solving Real World Problems2. Use of Scientific Calculator in Engineering3. General Knowledge Quiz Competition4. Vedic Mathematics5. Reading/writing/speaking/listening6. Book review

Guidelines:

- Use the video lectures to literate students in different skills needed for day-to-day life and need.
- Motivate students to create the nature of inquiry and reading habits.
- Arrange the various competitions like Elocution, Essay writing, Storytelling, Book reviews etc.
- Writing the review of the well-known books, movies and sharing.



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Module Name	Objectives	Suggested Activities
5. Proficiency modules (8 hours)	<ol style="list-style-type: none">Determining English proficiency level of students and mentoring accordingly.Learn the mining vocabulary, idioms, and expressions and Understand their meanings in context.Develop ability to write a paragraph about general topics by using the English language correctly.Realize the importance of English language as a global business language.	<ol style="list-style-type: none">English general diagnostic test to determine student's English proficiency level.Mentoring students to improve in English proficiency according to his/her proficiency level based on test.

Guidelines:

- An MCQ test of **45 minutes** should be conducted covering basic grammar and vocabulary.
- Group the students in three groups based on test result in three proficiency levels:
 - Unsatisfactory
 - Satisfactory
 - Good
- Following activities are to be used to uplift proficiency levels of students.
 - Motivational movies, documentary
 - Language games
 - Essay/story writing
 - Ice breaking games.

Separate set of activities from suggested list should be used for different groups.

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Module Name	Objectives	Suggested Activities
6. Lectures by Eminent people (2 hours)	<ol style="list-style-type: none">1. Motivation through knowing experience of successful person.2. Meet and interact with eminent personalities of different fields.	<ol style="list-style-type: none">1. To conduct lecture by eminent people.2. Interaction with leaders, experts, entrepreneurs, contributors and successful personalities

Guidelines:

- 1 expert lecture.
- Multiple divisions can be combined in an expert lecture.
- External expert should be invited.
- Expert can be from academic, industry, research organization, social organization etc.
- An individual successful person in any of the field can be invited.
- The aspect to be addressed may be social / economical / engineering / entrepreneurship/ spiritual/ humanity science.

Module Name	Objectives	Suggested Activities
7. Innovation (4 hours)	<ol style="list-style-type: none">1. Introduce the student about innovation in different fields2. Make students aware about innovative and modern practices and products in their own branch3. Create awareness about support available for start-up and innovation	<ol style="list-style-type: none">1. Lectures by senior faculties.2. Showing videos demonstrating innovation.3. Introducing innovative technology/products.4. Awareness regarding SSIP Scheme of Government of Gujarat5. Awareness about Government initiatives in areas of innovations and supports for start- up, Incubation, Entrepreneurship etc.

Guideline:

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

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Closing Phase (Last Day)

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

Conclusion and summary:

- Guiding students for preparation of student report about Induction Program.
- Instruct students regarding submission and examination of the Induction Program.
- Address by HODs/Senior faculties regarding branch/discipline and career option in respective branch.
- Introduce about the engineering and its importance in life and their responsibilities towards the society.

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 requiring during Induction Program.
- d) This program will be noncredit subject but it will reflect in 1st 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

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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 GTU portal will be PASS or FAIL, not marks.
7. 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.	Initial Phase
2.	Regular Phase
(a)	Virtual activity
(b)	Universal Human Values
(c)	Literary
(d)	Proficiency Modules
(e)	Lectures by Eminent People
(f)	Innovations
3.	Closing Phase

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Format of Diary

Enrolment/Roll No:

Name of Student:

Day		Date:
Hour	Activities Done	Learning Outcomes
1		
2		
3		
4		
5		
6		
Signature of the Student		Signature of Mentor

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