GUJARAT TECHNOLOGICAL UNIVERSITY (GTU)

Competency-focused Outcome-based Green Curriculum-2021 (COGC-2021)
Semester-V

Course Title: Summer Internship-II
(Course Code: 4352903)

Diploma programme in which this course is offered	Semester in which offered
Textile Manufacturing Technology	5th Semester

1. RATIONALE

Idea of Embedded Internships- AICTE has made 6 weeks summer internships mandatory in the new curriculum which will equip the students with practical understanding and training about industry practices in a suitable industry or organization. To make education holistic sports, physical activities, values and ethics have been embedded in the curriculum.
Summer Internship is an essential component of the curriculum programme. This will familiarize students with current working methodology of various manufacturing processes. It is also a good option by which students to get flavour of such emerging technology and familiar with industry environment to identify scope and focus of their career development opportunities. Main objective of summer internship is hands-on practice to expose students for thinking about professional career by observing, understanding working mechanism of ongoing work of industry and to develop various types of skills throughout internship.
This six week mandatory internship is to equip the students with practical knowledge and provide them exposure to real time industrial environment. The duration of internship will be of six weeks. It will be after completion of 4th Semester and before the commencement of 5th Semester.

2. COMPETENCY

The purpose of this course is to help the student to attain flavour of the following industry identified competency through summer internship experiences:

Get exposure to the industrial environment, which cannot be simulated in the classroom and hence creating competent professionals for the industry.

3. COURSE OUTCOMES (COs)

The practical exercises, the underpinning knowledge and the relevant soft skills associated with the identified competency are to be developed in the student for the achievement of the following COs:

1. Learn and adopt the engineer's role and responsibilities with ethics.
2. Get exposure to the industrial environment for professional activities.
3. Get possible opportunities to learn, understand and sharpen the real time technical / supervisor level skills required for shop floor activities..
4. Attain skill for writing technical report and prepare poster for presentation.

5. Understand the social, economic and administrative considerations that influence the working environment of industrial organizations.

4. TEACHING AND EXAMINATION SCHEME

Teaching Scheme (In Hours)			Total Credits (L+T+P/2)	Examination Scheme				
				Theory Marks		Practical Marks		Total Marks
L	T	P	C	CA	ESE	CA	ESE	
0	0	0	3	0	0	50	50	100

***Legends: L**-Lecture; **T** – Tutorial/Teacher Guided Theory Practice; **P** -Practical; **C** – Credit, **CA** - Continuous Assessment; **ESE** -End Semester Examination.*

List of Documents to be prepared for Submission:

(a) Detail report duly signed and approved by the internal/external mentor
(b) Presentation softcopy approved by the internal/external mentor

5. SUGGESTED STUDENT ACTIVITIES

Following are the suggested student-related curricular, co-curricular activities which can be undertaken to accelerate the attainment of the various outcomes in this course: Students should perform following activities and prepare reports and give presentation in front of students and faculty members. They should also collect/record physical evidences for their (student's) portfolio which may be useful for their placement interviews:

(a) Perform various task given by industry resources person during offline internship.
(b) Perform various task given during online internship.
(c) Perform various task required to complete project work under guidance of faculty member.
(d) Summer Internship program Interns are required to give a presentation before review committee consisting of a group of academic staff members.

Sample forms for Registration and Evaluation of Summer Internship-II –SI-II are given below:

(a) Both forms are mandatory to be filled at the commencement and completion of SI respectively.
(b) It is mandatory to file and map SI-II Registration and Evaluation so that students get enough exposure of industry / technology.
(c) Mapping will be done to ease CA and ESE Evaluations.
(d) A Seminar / Webinar can be arranged so that students coming from different industry / institute / project background can share experiences and learnings to their peers / all students of the same department.
(e) Attached formats for Registration, Completion and Evaluation are suggestive. But, adhering to these formats is anticipated.

Summer Internship-II Registration Form

Note: Students needs to submit this registration form after finalizing industry for internship

Student Details												
Enrollment Number												
Student Name												
Student Details	Mobile Number :											
	Email Address:											
Branch												
Code of the Institute	Name of the Institute:											
Mentor Details (Institute)	Name:											
	Designation:											
	Mobile No:											
	Email Address:											
Industry Details	Name:											
	Address:											
	Email:											
	Phone:											
	Website:											
Mentor Details (Industry)	Name:											
	Designation:											
	Mobile No:											
	Email Address:											
Title of the Project/ Internship carried out												
Nature of Work Carried Out	Various activities related to different manufacturing processes like spinning, weaving, garmenting, etc. Testing and analysis of fibre, yarn and fabric. Fabric designing, Quality assurance, Production Planning & Control, Inventory management, Technical Textiles, Marketing & Merchandizing, Laboratory & Application. Other please Specify: _____ _____											

Student Signature Faculty Signature

<College Name>
Department Of Textile Manufacturing Technology
Trainees Weekly Report

Student Name:-_____
Enrollment No.:-_____ Name of Organization :-_____ Name of Department:-_____
Week Commencing From Date:-_____ to Date:-_____

Day & Date	Abstract of Work Done	Remarks of Controlling Officer or Section Head	Sign of Controlling Officer or Section Head

Suggested Letter for NOC
[Company or Institute
letterhead]

No: Date

TO WHOM SO EVER IT MAY CONCERN

This is to certify that, Mr./Mrs ._____ Enrollment No. _____ Student of Textile Manufacturing Technology, _____, has successfully completed a six week internship in the field of _____ during the period of _____.

During the period of his/her summer internship program with us, He / She were exposed to following different processes and were found sincere and hardworking.

1. _____
2. _____
3. _____

Mentor Signature Head of Department

Summer Internship-II -Evaluation Rubrics for Institute

Evaluation Rubrics (Institute)

Enrollment No:_____ **Branch:** Textile Manufacturing Technology

Name of the Students: _____

Date of Evaluation:_____

Internal Evaluation – 50 Marks PA(I) **(To be carried out by the mentor in consultation with Industry) Minimum Passing Marks: 18**					
Parameter	**Excellent**	**Good**	**Average**	**Not up the level of Satisfaction**	**Obtained Marks**
Mark range	**4-5**	**3-4**	**2-3**	**Below 2**	
Knowledge acquisition in specific domain. **20 marks**					
Skill and attitude attainment in specific domain. **10 marks**					
Feedback and suggestions given are incorporated? **10marks**					
Quality of the prepared report. **10 marks**					
Viva-voce **10 marks**					
Total Marks Obtained Out of 50 PA(I)					

Signature:_____ **Institute Resource Examiner Name:** _____

Suggested Evaluation Rubrics for Industry

Evaluation Rubrics (Industry)

Enrollment No:_____ Branch: Textile Manufacturing Technology

Name of the Students: _____

Date of Evaluation:_____

External Evaluation – 50 Marks ESE(V) **(To be carried out by the Industry Supervisor) Minimum Passing Marks: 18**					
Parameter	**Excellent**	**Good**	**Average**	**Not up the level of Satisfaction**	Obtained Marks
Mark range	**4-5**	**3-4**	**2-3**	**Below 2**	
Student regularity during the Internship period and proactive ness/responsiveness towards the given tasks (**20 Marks)**					
Work Plan, Execution and quality of work in forms of Outcome achieved (**10 Marks)**					
Engineering Tools and Techniques (**10 Marks)**					
Quality of the report and Skill **(10 Marks)**					
Viva--voce (**10 Marks)**					
Total Marks Obtained Out of 50 ESE(V)					

Signature: _____ Industry resource/ Examiner Name: _____

Common Note:

1) For Summer Internship / Projects / Seminar etc. Evaluation is based on work done, quality of report, performance in viva-voce, presentation etc. The internal / external assessment is based on the student's performance in viva /work record respectively.
2) In case Industry Supervisor is not available / Institute Mentor/ Faculty can fill up both.

6. AFFECTIVE DOMAIN OUTCOMES

The following affective Domain Outcomes (ADOs) are embedded in many of the above mentioned COs. More could be added to fulfil the development of this course competency.

a) Work as a leader/a team member as role of Engineer.
b) Practice environmentally friendly methods and processes.
c) Follow safety precautions and ethical practices.

7. PO-COMPETENCY-CO MAPPING

Semester V	Summer Internship-II (Course Code:4352903)						
	POs						
Competency & Course Outcomes	PO 1 Basic & Discipline specific knowledge	PO 2 Problem Analysis	PO 3 Design/ development of solutions	PO 4 Engineering Tools, Experimentation & Testing	PO 5 Engineering practices for society , sustainability & environment	PO 6 Project Management	PO 7 Life-long learning
Competency	**Get exposure to the industrial environment, which cannot be simulated in the classroom and hence creating competent professionals for the industry.**						
CO1) Learn and adopt the engineer's role and responsibilities with ethics.	2	2	2	2	2	2	2
CO2) Get exposure to the industrial environment for professional activities.	2	2		2	1	2	2
CO3) Get possible opportunities to learn understand and sharpen the technical skills required for technical advancement.	2	2	2	2	2	2	2
CO4) Develop managerial skills required for		2		1		2	2

professional career.							
CO5) Attain skill for writing technical report and prepare poster for presentation.	2				1	2	2

*Legend: '**3**' for high, '**2**' for medium, '**1**' for low and '**-**' for no correlation of each CO with PO.*

8. COURSE CURRICULUM DEVELOPMENT COMMITTEE

Sr. No.	Name and Designation	Institute	Contact No.	Email
1	Zala Samrat Madansinh	RCTI	9427026980	samrat.zala@gmail.com
2	Upadhyaya Hirenkumar Narendrabhai	RCTI	7984650211	hnu.1810@gmail.com