



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: GTU/CID-ODS/DE portal/AY2022-23/1778

Date: ૧/૦૩/૨૦૨૩

To,
The Principals/Directors/HoD/DE Coordinators/Students of BE Colleges affiliated with GTU

GTU Center for Industrial Design (Open Design School) tries to cope with all the latest trends in Design & Innovation, Entrepreneurship, and Technological Advancement. To achieve this, GTU has introduced the Design Engineering (DE) subject, which is based on Practical Based Learning (PBL) to acquire necessary industrial skill sets through the "learning by doing" approach. GTU has prepared a web portal to manage and coordinate the activities related to design engineering so that all the stakeholders associated with the subject will be connected and informed of all the latest information about it. Also, GTU appreciates the efforts of all the stakeholders to implement the Design Engineering (DE) subject using this portal and adhering to the timeline for all the activities mentioned in the guidelines.

We wish that all affiliated degree engineering colleges of GTU should take maximum benefit of the portal and join hands in building Digital India in the true sense. All colleges have to complete the mentioned activities in Annexure 1 as per the schedule.

Kindly visit the Design Engineering web portal at: <http://www.de.gtu.ac.in>

For any queries related to DE projects/portal, please connect with us at: designprojects@gtu.edu.in

For any queries related to DE subject and feedback, please connect with us at: design@gtu.edu.in


20/3/23
Registrar, GTU

Copy to:

- (1) Centre for Industrial Design (Open Design School)
- (2) Design Innovation Centre
- (3) GTU Innovation Council

Winners of: "Most Promising University of India 2020" ❖ "1st rank Among All Universities in Gujarat 2020 by
❖ "1st Rank in Gujarat State Institutional Ratings Framework (GSIRF) 2019" ❖ "National Leadership Excellence Award 2019 in
Technical Education" ❖ "India's Most Trusted State University 2019" ❖ "Outstanding University in West India 2019"

Head office : GTU Campus, Nr. Visat Three Road , Visat-Gandhinagar Road , Chandkheda, Ahmedabad - 382 424. Gujarat, India.

Phone :- +91 079-23267521/570 e-mail : info@gtu.ac.in Website : www.gtu.ac.in



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Annexure 1

Instructions for all BE colleges affiliated with GTU:

(Important guidelines for students, guide, DE coordinators, HOD, and Principal)

1. Registration for Student Team, Faculty member/Guide, and Design Coordinator is open for this Summer 2023 (Even) semester on the DE portal at <http://www.de.gtu.ac.in>. (Note: To guide Design Engineering projects, the faculty member must be trained at the FDP organized by GTU). With the new project, the student may make the newer team and there is no limitation on the number of team members allowed, but the guide needs to ensure the involvement of each team member and have an equal amount of work in the project.
 - Students of the 4th Semester need to take new projects other than the 3rd semester project, so they need to enter new project details for the 4th semester. The project topic is branch-specific using Reverse Engineering methodology. For more details, kindly refer 4th semester module guidelines available on the DE portal under the academic tab.
2. Each College also needs to assign one Design Coordinator (one per college, not branch-wise) who is trained at the FDP organized by GTU, for managing and coordinating the activities related to DE. The design Coordinator also needs to register on the DE portal. The Design Coordinator will be the only point of contact with the GTU Design Team for any queries or suggestions. He/she will be responsible for the student's progress in Design Engineering projects as per the timeline/schedule.
3. All the guidelines, circulars, and latest news related to DE will be available on the portal.
4. Study material, canvases, and other formats are also available on this portal for DE subjects. We timely update the study material and formats as per the requirements and new developments, so all stakeholders are advised to visit the portal frequently for the latest information and update.
5. Design Engineering-related blogs will be started soon for a better understanding of the subject. If anyone finds good material, blog, case study, news, etc related to DE, please send it to us at design@gtu.edu.in and we will update it on the portal for everyone to use.
6. Colleges need to send us the reports of events, case studies, and achievements in relation to DE to be uploaded on the DE portal.

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7. Every college needs to strictly adhere to the below schedule for DE-related activities for an Even semester in AY 2022-23.

❖ Tentative Schedule for Design Engineering Module:

FOR 4th SEMESTER

Task	Activity related to DE for AY 2022 – 23 (Summer 2023/Even Semester)	Timeline
1.	Registration for Team/Guide/DE Coordinator	Till 31 st March 2023
2.	Problem Definition/Project title	Till 31 st March 2023
	2.1 Domain selection	
	2.2 Reverse Engineering	
	2.3 Observation	
	2.4 Empathy Canvas – Mind Mapping	
	2.5 Prior Art Search (PAS)	
3.	Monthly Assessment - I	
4.	Ideation (Canvas, PAS)	Till 10 th April 2023
5.	Product Development Canvas (PDC) & User Feedback	
	5.1 Learning Needs Matrix (LNM)	
6.	Monthly Assessment - II	Till 10 th May 2023
7.	Rough Prototyping & Iteration	
8.	Monthly Assessment – III (Design Demo Day)	Till 10 th May 2023
9.	Report Submission, Generation of the project certificate	Till 25 th May 2023

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