



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/AY2021-22/ 251

Date: 11/1/2022

To,

The Principals/Directors/HoD/DE Coordinators/Students of BE Colleges affiliated to GTU

GTU – Centre for Industrial Design (Open Design School) tries to cope up with all latest trends in Design & Innovation, Entrepreneurship and Technological advancement. To achieve this, GTU has introduced Design Engineering (DE) subject which is based on Practical Based Learning (PBL) to acquire necessary industrial skill sets through Learning by Doing approach. GTU has prepared web portal to manage and coordinate the activities related to DE, so that all the stakeholders associated with the subject of DE would be connected and informed for all latest information about it. Also, GTU appreciates the efforts of all the stakeholders to implement DE subject using this portal and adhering to 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 true sense. All colleges have to complete the below 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



10/1/22
Registrar, GTU

Copy to:

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

**Winners of : ICT Enabled University Award E-India - 2009 ❖ Manthan Award - 2009 ❖ GESIA Award -2011
❖ Digital Learning WES - 2011 Award ❖ AIMS International Innovative University Award - 2013**

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e-mail : info@gtu.ac.in URL : www.gtu.ac.in



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Annexure 1

Instructions for all BE colleges affiliated to GTU:

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

1. Registration for Student Team, Faculty member/Guide and Design Coordinator is open for this summer 2021 (Even) semester on the DE portal at <http://www.de.gtu.ac.in>. (Note: To guide Design Engineering projects, faculty member must be trained at the FDP organized by GTU). With new project, student may make newer team and there is no limitation on number of team members allowed, but guide needs to ensure involvement of each team member and have equal amount of work in the project.
- Students of 4th semester need to take new project other than 3rd semester project, so they need to enter new project details of 4th semester. The project topic is branch specific using Reverse Engineering methodology. For more details, kindly refer 4th semester module guidelines available on DE portal under academic tab.
- Students of 6th semester can continue their 5th semester project, so do not need to enter details again. But who are taking new project (Only if 5th semester project is completed and allowed by their HOD/Guide) in 6th semester, need to enter new project details. For more details, kindly refer 6th semester module guidelines available on DE portal under 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. Design Coordinator also need to register on DE portal. Design Coordinator will be the only point of contact with GTU Design Team for any queries or suggestions. He/she will be responsible for the student's progress for Design Engineering projects as per timeline/schedule.
3. All the guidelines, circular, latest news related to DE are and will be available on portal.
4. Study material, canvases and other formats are also available on this portal for DE subject. 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 latest information and update.

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5. Design engineering related blog will be started soon for better understanding on the subject. If anyone finds the good material, blog, case study, news etc. related to DE, please send to us on design@gtu.edu.in and we will update it on portal for everyone to use.
6. Colleges need to send us the reports of events, case studies, achievements in relation with DE to be uploaded on DE portal.
7. Every college need to strictly adhere to below schedule for DE related activities as even semester in AY 2020-21.

❖ **Tentative Schedule for Design Engineering Module:**

FOR 4th SEMESTER

| Task | Activity related to DE for AY 2021 - 22 (Summer 2021/Even Semester) | Timeline |
|------|--|----------------------------------|
| 1. | Registration for Team/Guide/DE Coordinator | Till 15 th Feb 2022 |
| 2. | Problem Definition/Project title | Till 20 th Feb 2022 |
| | 3.1 Domain selection | |
| | 3.2 Reverse Engineering | |
| | 3.3 Observation | |
| | 3.4 Empathy Canvas – Mind Mapping | |
| | 3.5 Prior Art Search (PAS) | 20 th March 2022 |
| 3. | Assessment - I | |
| 4. | Ideation (Canvas, PAS) | |
| 5. | Product Development Canvas (PDC) & User Feedback | Till 20 th April 2022 |
| | 5.1 Learning Needs Matrix (LNM) | |
| 6. | Assessment - II | Till 10 th May 2022 |
| 7. | Rough Prototyping & Iteration | |
| 8. | Assessment - III | Till 20 th May 2022 |
| 9. | Report Submission, Generation of project certificate | |

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FOR 6th SEMESTER

| Task | Activity related to DE for AY 2021 - 22 (Summer 2021/Even Semester) | Timeline |
|---|---|---------------------------------|
| 1. | Registration for Team/Guide/DE Coordinator (If new Project) | Till 31 st Jan 2022 |
| 2. | Problem Definition/Project title (If new Project) | Till 10 th Feb 2022 |
| | 3.1 Domain selection | |
| | 3.2 Observation | |
| | 3.3 Empathy Canvas – Mind Mapping | |
| | 3.4 Prior Art Search (PAS) | |
| 3. | Assessment - I | Till 25 th Feb 2022 |
| 4. | Ideation (Canvas, PAS) | |
| 5. | Product Development Canvas (PDC) & User Feedback 5.1 Learning Needs Matrix (LNM) & Detailed Design | |
| 6. | Assessment - II | Till 5 th March 2022 |
| 7. | Working Model / Prototype / Testing | Till 5 th April 2022 |
| 8. | Assessment - III | |
| 9. | Report Submission, Plagiarism check, Generation of project certificate | |
| Note: Students who are continuing their 5 th semester project to 6 th semester, they will directly start working from Ideation or Product Development phase (where they left their work in 5 th sem) till working model as per above schedule and guidelines of DE-2B | | |

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No. GTU/AC/even-term/2021/ 5859

Date: 14/10/2021

Provisional Academic Calendar – 2021-22 (Even Term)

| Sr. No | Course | Sem/Year | Term | Starting Date | Term End |
|--------|---------------------|----------|------|---------------|-----------|
| 1 | DE | II | Even | 28-Feb-22 | 24-Jun-22 |
| 2 | DE | IV | Even | 17-Jan-22 | 10-May-22 |
| 3 | DE | VI, VIII | Even | 18-Oct-21 | 31-Mar-22 |
| 4 | BE | II | Even | 17-Mar-22 | 9-Jul-22 |
| 5 | BE (Part Time) | II | Even | 28-Feb-22 | 24-Jun-22 |
| 6 | BE / BE (Part time) | IV | Even | 17-Jan-22 | 10-May-22 |
| 7 | BE / BE (Part time) | VI | Even | 18-Oct-21 | 31-Mar-22 |
| 8 | BE / BE (Part time) | VIII | Even | 16-Dec-21 | 9-Apr-22 |
| 9 | M.E. | II | Even | 14-Feb-22 | 10-Jun-22 |
| 10 | M.E. | IV | Even | 17-Jan-22 | 10-May-22 |

| Sr. No | Course | Sem/Year | Term | Starting Date | Term End |
|--------|--------------|------------|--------|---------------|-----------|
| 1 | D.Pharm | I | Yearly | 25-Oct-21 | 18-Jun-22 |
| 2 | D.Pharm | II | Yearly | 21-Jun-21 | 19-Mar-22 |
| 3 | B.Pharm | II | Even | 28-Feb-22 | 24-Jun-22 |
| 4 | B.Pharm | IV | Even | 17-Jan-22 | 10-May-22 |
| 5 | B.Pharm | VI, VIII | Even | 18-Oct-21 | 31-Mar-22 |
| 6 | M.Pharm | II | Even | 14-Feb-22 | 10-Jun-22 |
| 7 | M.Pharm | IV | Even | 17-Jan-22 | 10-May-22 |
| 8 | Pharm.D | I | Yearly | 25-Oct-21 | 18-Jun-22 |
| 9 | Pharm.D | II | Yearly | 21-Jun-21 | 19-Mar-22 |
| 10 | Pharm.D | III, IV, V | Yearly | 7-Jun-21 | 5-Mar-22 |
| 11 | Pharm.D | VI | Yearly | 17-May-21 | 16-May-22 |
| 12 | Pharm.D (PB) | I | Yearly | 25-Oct-21 | 18-Jun-22 |
| 13 | Pharm.D (PB) | II | Yearly | 21-Jun-21 | 19-Mar-22 |

| Sr. No | Course | Sem/Year | Term | Starting Date | Term End |
|--------|----------------|-------------|------|---------------|-----------|
| 1 | MBA | II | Even | 28-Feb-22 | 24-Jun-22 |
| 2 | MBA | IV | Even | 24-Feb-22 | 20-Jun-22 |
| 3 | MBA Integrated | II | Even | 17-Mar-22 | 9-Jul-22 |
| 4 | MBA Integrated | IV | Even | 17-Jan-22 | 10-May-22 |
| 5 | MBA Integrated | VI, VIII, X | Even | 18-Oct-21 | 31-Mar-22 |
| 11 | B HMCT | II | Even | 28-Feb-22 | 24-Jun-22 |
| 12 | B HMCT | IV | Even | 17-Jan-22 | 10-May-22 |
| 12 | B HMCT | VI | Even | 18-Oct-21 | 31-Mar-22 |
| 13 | B HMCT | VIII | Even | 1-Dec-21 | 30-Apr-22 |

| Sr. No | Course | Sem/Year | Term | Starting Date | Term End |
|--------|----------------|-------------|------|---------------|-----------|
| 1 | MCA | II | Even | 28-Feb-22 | 24-Jun-22 |
| 2 | MCA | IV | Even | 17-Jan-22 | 10-May-22 |
| 3 | MCA | VI | Even | 18-Oct-21 | 31-Mar-22 |
| 4 | MCA Integrated | II | Even | 17-Mar-22 | 9-Jul-22 |
| 5 | MCA Integrated | IV | Even | 17-Jan-22 | 10-May-22 |
| 6 | MCA Integrated | VI, VIII, X | Even | 18-Oct-21 | 31-Mar-22 |

| Sr. No | Course | Sem/Year | Term | Starting Date | Term End |
|--------|--------|-------------|------|---------------|-----------|
| 1 | D Arch | VI | Even | 18-Oct-21 | 31-Mar-22 |
| 2 | B Arch | II | Even | 17-Mar-22 | 9-Jul-22 |
| 3 | B Arch | IV | Even | 17-Jan-22 | 10-May-22 |
| 4 | B Arch | VI, VIII, X | Even | 18-Oct-21 | 31-Mar-22 |
| 5 | M Arch | II | Even | 28-Feb-22 | 24-Jun-22 |
| 6 | M Arch | IV | Even | 17-Jan-22 | 10-May-22 |
| 7 | BID | VI, VIII | Even | 18-Oct-21 | 31-Mar-22 |

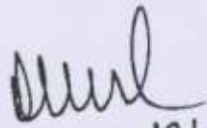
| Sr. No | Course | Sem/Year | Term | Starting Date | Term End |
|--------|--------|----------|------|---------------|-----------|
| 1 | D. Voc | II | Even | 17-Mar-22 | 9-Jul-22 |
| 2 | D. Voc | IV | Even | 17-Jan-22 | 10-May-22 |
| 3 | D. Voc | VI | Even | 18-Oct-21 | 31-Mar-22 |
| 4 | B. Voc | II | Even | 17-Mar-22 | 9-Jul-22 |
| 5 | B. Voc | IV | Even | 17-Jan-22 | 10-May-22 |
| 6 | B. Voc | VI | Even | 18-Oct-21 | 31-Mar-22 |

| Sr. No | Course | Sem/Year | Term | Starting Date | Term End |
|--------|---------------------------------------|----------|------|---------------|-----------|
| 1 | Intergrated MSc (Computer Science) | II | Even | 17-Mar-22 | 9-Jul-22 |
| 2 | M.Sc in Biotechnology | II | Even | 28-Feb-22 | 24-Jun-22 |

| Sr. No | Course | Sem/Year | Term | Starting Date | Term End |
|--------|------------------------------------|----------|--------|---------------|-----------|
| 1 | PG Diploma in Data science | II | Even | 14-Feb-22 | 10-Jun-22 |
| 2 | PG Diploma in Digital Marketing | P-I | Yearly | 1-Oct-21 | 31-Mar-22 |

Note: If the number of teaching days falls less than 90 days in the academic session due to some unforeseen reasons, it would be the responsibility of each College/Institute to make good the loss by arranging extra classes.

Diwali Vacation: 1st November 2021 - 13th November 2021 as per Government resolution no PaRaCh/2018/61/Kh-I dated 4th June 2021


Registrar 13/10/21