

L. D. College of Engineering, Ahmedabad
Summary of activities during lockdown period

10th June 2020

1. **Online assignments for evaluation and practice:** Regular classes of BE Sem 8 were commenced from 9/12/2019 while for BE Sem 4 and 6 the same were commenced from 12/12/2019. Therefore almost three months of teaching was completed before the pandemic situation disturbed the regular teaching activities. Majority of the continuous evaluation of theory and practical work was completed before lockdown. For evaluation of remaining portion and practice, online assignments were given to the students. The assignments were submitted by the students online and the same were evaluated by the faculty members. Regular classes of BE Sem 2 were commenced from 20/01/2020. Continuous evaluation of theory and practical work was going on. Online assignments were also given to the students for evaluation and practice.
2. **Online teaching and mentoring sessions:** During the period from 16/03/2020 to 14/04/2020, teaching of various classes was continued through various online platforms like Google classrooms, Google meet, WebEx etc. Faculty members also shared their presentation and class notes.
3. **Faculty contribution in online activities:** During the lockdown, faculty members were actively involved in various online activities like online teaching and mentoring sessions, assignment preparation and evaluation, preparation of presentations, preparation of MCQ assignments, conduction of online quizzes etc.
4. **Online final year project review KAIZEN 2K20:** Due to lockdown, project evaluation was conducted through online mode. Students were informed well in advance about the presentation schedule. They were also informed not to panic and make a presentation based on work done before lockdown and whatever is at hand. Almost all the students enthusiastically participated and listened to the suggestions given by faculty members and external experts.
5. **Final year project abstracts on department website for reference:** After online project review, all the final year students were asked to submit an abstract of their projects. The abstracts were compiled by all the department and have been uploaded on the website of the college for reference to the pre-final year students.
6. **Five year roadmap of the institute (Proposal preparation):** As per national perspective plan and motivated from emerging demand of technology, LD College of Engineering has prepared a proposal for 5 year Roadmap. The proposal primarily focuses on Resources required for New Electives, New Post Graduate courses and Advanced Laboratories for Research and Innovation.
7. **MCQ practice sessions for Sem 2, 4, 6 UG programmes:** Anticipating online MCQ examination and to prepare the students for various competitive examination like GATE, MCQ based assignments were given to the students of BE Sem 2, 4 and 6. Online quizzes were also conducted based on the MCQ.
8. **Department level scrutiny of SSIP applications:** Students having innovative ideas were motivated to apply for SSIP projects online. Application was flashed on college website and the students were motivated to apply. Department level and online scrutiny were conducted online. Projects have been sanctioned to the successful innovators.
9. **Application for AICTE – Utkrishth Sansthan:** College collected the data as per the requirements of AICTE and applied for the same.

10. **Preparation of institute level documentary of activities:** The institute had made continuous efforts to engage the students in one or other way through various technical activities like assignments, quiz, online project mentoring etc. In order to highlight all these activities in an effective manner, a small documentary was prepared by the institute. Prof. K. B. Bhojania, Head of the Bio-medical department, coordinated the work.
11. **Finishing school online trainings:** Education department, Government of Gujarat arranged online trainings under finishing school component. 833 students of the institute had taken trainings by professional trainers under finishing school component. Trainings were provided in the areas of Communication and soft skills, Technical content by TCS, Byju's etc. Overall mentoring and co-ordination was done by Prof. S. M. Datta, along with the departmental coordinators.
12. **Institute level scrutiny of SSIP applications:** Despite the challenging situation due to corona COVID-19 pandemic, Student Startup and Innovation Policy cell of the institute was operational through online platforms. Mentoring to the projects was continued by the concerned faculty mentors through online meeting and telephonic conversation. In addition to this, applications were invited for next phase of SSIP funding. Scrutiny of applications was done using online platforms in the presence of industry/academia representatives and sanction letters are issued for 21 shortlisted teams in phase VI.
13. **COVID Projects and Patents:** 3 Innovative projects won at National COVID competitions, the hardware and PoC were completed and Patents have been filed during Lockdown.
14. **Webinar series by the institute:** In order to take benefit of alumni and other experts in touch with the institute through Industry-Institute Interaction, webinar series was arranged by the institute for the students and faculty members. Total 80 webinars were arranged on various themes by different departments of the institute during the period 24-03-2020 to 03-06-2020.
15. **Internal review of ME dissertations:** As a part of academic activity, review and internal evaluation of M.E. Sem IV dissertations were carried out by all the departments of the institute. The important difference this time was that the reviews were carried out by the faculty members using online tools like Google meet, Webex etc.
16. **Faculty mapping and literature review for ME Sem 3 dissertations:** In order to make an early start and make best use of the available online resources and time, all the departments had done the exercise to map PG sem II students with concerned guides for dissertations to be done in coming semester. The students have done literature survey and discussed the tentative areas of research with the students.
17. **Participation in Mock MCQ test conducted by GTU:** Almost all the students of BE sem II, IV and VI of our institute took part in the Mock MCQ test organized by GTU.
18. **Panel discussion on "Design Innovation and Engineering to build a new India":** Eminent speakers Shri. M Nagrajan, IAS, Director, Higher Education, Gujarat; Dr. Prof. PVM Rao, Head Dept of Design, IIT Delhi; Mr. Rohit Swaroop, Director, Explorra; Dr. A. N. Badalkar, Joint Director, GSBTM shared their views on the interesting topic of panel discussion. Approx. 300+ faculty members and 1000+ students were benefited from the activity. Dr. RajulGajjar, Principal, LDCE Ahmedabad was the moderator for the panel discussion.
19. **Data mining on LinkedIn for LDCE Alumni, Preparing coffee table book:** The placement cell of the institute had done a very good activity to collect profiles of eminent alumni using social networking platforms and shared the profiles with departments. This in turn was helpful to the department in arranging webinars on various themes. Moreover, this activity helped us

to build long term relationships with eminent personalities which will help us in our future endeavors.

20. **Placement grooming sessions by placed students for pre-final year students:** In order to make best use of available time with students, the placement cell of the institute had arranged placement grooming sessions. Placed final year students had shared key success tips with their juniors. Department wise online sessions were arranged for all pre-final year students. The students took part in this activity with great enthusiasm.
21. **Online access of library through e-resources:** LDCE Library has communicated with renowned publishers (Science Direct, Pearson, Wiley, McGrawHill) seeking their free services for remote access of e-Books and e-Journals. More than 4000 UG & 600+ PG students and 200+ faculty members have been benefited during the entire lockdown period. Thus full-fledged functioning of e-Library helped aspirants to continue their learning and research activities.

Table 1: Teaching-learning and assessment activities carried out during lockdown period from 16/03/2020 to 31/05/2020

Sr. No.	Activity	No.
1.	Total Number of Assignments prepared by the faculty members	1564
2.	Total Number of Assignments assessed by the faculty members including all divisions	2464
3.	Number of Class notes (reading material) circulated for various subjects by Google classroom, email or any other online mode	1729
4.	Number of MCQ quiz/assignment prepared by the faculty members	1285
5.	Number of MCQ quiz/assignment assessed by the faculty members including all divisions	4522
6.	Number of Video lectures (NPTEL, DTE BISAG, etc.)shared with the students	1884
7.	Number of online Video lectures /mentoring sessions conducted by the faculty members	399
8.	Number of online virtual labs conducted by the faculty members	209

Table 2: Academic activities carried out during lockdown period from 16/03/2020 to 31/05/2020

Sr. No.	Description	Duration	Outcome
1	Online assignments for evaluation and practice	March 16 to April 14 2020	As per Table 1
2	Online teaching and mentoring sessions	March 16 to April 14 2020	As per Table 1
3	Faculty contribution in online activities	March 16 Till date	As per Table 1
4	Online final year project review KAIZEN 2K20	April First week	389 projects of 14 different departments were evaluated
5	Final year project abstracts on department website for reference	April First week	Abstracts of all above projects uploaded on website
6	Five year roadmap of the institute (Proposal preparation)	April Second week onwards	Proposal prepared and first review meeting was held on 4/06/2020
7	MCQ practice sessions for Sem II-IV-VI UG programmes	April last week till date	As per Table 1
8	Department level scrutiny of SSIP applications	April third week	43 applications were reviewed by 8 different department
9	Application for AICTE – Utkrishth Sansthan	May 2 nd week	Data is being compiled and application will be submitted soon
10	Preparation of institute level documentary of activities	April last week	Documentary is prepared
11	Finishing school online trainings	May first week onwards	833 students have completed 6 weeks of training and quiz organized for the participants
12	Institute level scrutiny of SSIP applications	May first week	Total 21 applications are accepted and fund of Rs. 9,43,700/- is sanctioned for phase-6 projects
13	COVID Projects and Patents	May first week	3 Innovative projects won at National COVID competitions, the hardware and PoC were completed and 2 Patents filed
14	Webinar series by Institute	May first week onwards	80 webinars were arranged on various themes

15	Internal review of ME dissertations	May second and third week	Review of 156 students was done
16	Faculty mapping and literature review for ME Sem 3 dissertations	May second week onwards	Activity in progress for all the students of ME Sem 3
17	Participation in Mock MCQ test conducted by GTU	May 23 - 2020	1055 students participated for the mock test
18	Panel discussion on "Design Innovation and Engineering to build a new India"	May 25 - 2020	300+ staff and 1000+ students were benefited.
19	Data mining on LinkedIn for LDCE Alumni, Preparing coffee table book	April last week	Profile of 30 eminent persons shared with the departments
20	Placement grooming sessions by placed students for pre-final year students	May first week	11 webinars for placement grooming were conducted and more than 500 students were benefited
21	Online access of library through e-resources	March third week onwards	Free access of e-resources to all UG, PG students and faculty members