



Institute Name: LJ POLYTECHNIC, AHMEDABAD

1. Title of the Activity: Civil Hackathon 2025

2. Name of the Faculty/Coordinator: Ms. Pavitra Bhatt & Mr. Chintan Panchal

3. Department / Program Name: Civil Engineering Department

4. Date & Duration of the Activity: Date(s): 03/10/2025 From: 9:30 AM To: 4:00 PM

5. Objectives of the Activity:

- To develop a strong understanding of teamwork and collaboration.
- To learn where and how conceptual design work is carried out.
- To identify the challenges encountered during structural design.
- To gain knowledge of quantity estimation techniques.
- To effectively integrate and apply the combined knowledge of design and estimation.

6. Description of the Activity:

A Hackathon 2025 was effectively organized for semester 5 students, concentrating on the critical subjects of "Design of Reinforced Concrete Structures" and "Estimating and Costing." This full-day event saw nine teams, each with seven members, tackling the challenges head-on. The teams were tasked with designing individual structural components for various types of rooms in buildings and estimating the total construction costs, including materials and labor.

By the end of the day, each team submitted their work, and the evaluation was conducted based on their active participation, teamwork and mastery of the core concepts in both subjects. This event was instrumental in enhancing student's practical skills and in solidifying their understanding of structural design and cost estimation.

7. External Participation:

a) Invited Speaker/Dignitary/Resource Person:

Name: _____

Designation: _____

Affiliation: _____

b) Number of External Participants: _____

8. Internal Participation:

- a) Number of Faculties involved: 2
- b) Number of Non-Teaching Employees involved: 0
- c) Number of Students involved: 62
- d) Mode of Participation: Offline

9. Learning Outcome Achieved:

The learning outcomes for students participating in Hackathon 2025 include the application of theoretical knowledge in real-world scenarios, enhanced teamwork and collaboration skills, and improved critical thinking and problem-solving abilities. Students will acquire hands-on experience in cost estimation, develop effective project management skills, and strengthen their presentation and communication skills. Additionally, they will gain familiarity with industry standards and best practices in structural design and cost estimation. Overall, these outcomes will better prepare students for future challenges in the engineering field and enhance their contributions to professional projects.

10. Photographs / Screenshots:



11. Feedback from Students (if any):

12. Attendance Sheet:

LJ Polytechnic, Ahmedabad (CL-5A)

Hackathon Event

Attendance Record

Date: 3/10/25

S#.	Enrol. #.	Student Name	Sign.
1	23012250510001	AFAQUR RAHMAN	AB
2	23012250510006	BHARVAD YASH PUNAMBHAI	Yash
3	23012250510008	CHAUDHARY HARESHKUMAR RAMESHKUMAR	H.
4	23012250510010	CHAUHAN RAJVARDHANSINGH LAXMANSINGH	Rajv
5	23012250510011	CHAVDA SAHIL GANPATBHAI	Sahil
6	23012250510012	CHIRAYU ASHOK CHAUDHARY	Chiray
7	23012250510014	DAVE MANUSH BHARGAVBHAI	Manu
8	23012250510016	DESAI VISHVASH DHARMENDRA	Vishv
9	23012250510018	FARZAN VIMADALAL	Farzan
10	23012250510019	GADHIYA DEEP SURESHBHAI	Deep
11	23012250510020	GAUTAM SUNIL NANKURAM	Sunil
12	23012250510022	GOSWAMI YAJAT SANJAYGIRI	AB
13	23012250510023	HARSHIL PINTUBHAI PATEL	AB
14	23012250510024	JADAV DHAIRYA HARSHADKUMAR	D.
15	23012250510025	JAGJIT SINGH	AB
16	23012250510026	JAINAM KARTIKBHAI SHAH	J.K.
17	23012250510028	KAPISH S PATEL	K.
18	23012250510030	KAVAR DHURV MAHESHKUMAR	D.
19	23012250510033	KO. PATEL AJAYBHAI NANJIBHAI	Ajay
20	23012250510035	KOTHARI SAIYAM MILAPBHAI	Saiyam
21	23012250510036	LALAVAT SANKET SHYAM	Sanket
22	23012250510037	LUHAR RUDRA CHHAGANBHAI	Rudra
23	23012250510038	MAKWANA PARTH RAVIKUMAR	PARTH
24	23012250510042	MALI BOBI RAMNIVAS	Bobi
25	23012250510043	MEHTA NIRMIT MILIND	Nirmit
26	23012250510044	MEMON TAHA MOHAMMADIBRAHIM	Taha
27	23012250510045	METALIYA AAYUSH GOPALBHAI	Ayush
28	23012250510047	MIRZA MUBIN AJAZBAIG	Mubin
29	23012250510051	ODD ADITYA BIPINBHAI	Aditya
30	23012250510052	PACHCHIGAR HARSHWARDHAN WALMIKI	Harsh
31	23012250510053	PANCHAL PANTH SHAILESHBHAI	P.
32	23012250510054	PANCHOLI OM PRADIPKUMAR	Om
33	23012250510055	PARMAR AKSHAT DILIPBHAI	Akshat
34	23012250510057	PARMAR RUDRA ELESBHAI	Rudra
35	23012250510058	PARMAR TIRTH VITESHCHANDRA	Tirth
36	23012250510060	PATEL MO. UVESH HANIFBHAI	Uv
37	23012250510061	PATEL NEEL SANDIPKUMAR	Neel
38	23012250510062	PATEL PRANSHAV CHIRAGKUMAR	Pranshav
39	23012250510063	PATEL PRATHAM PRAVIN	Pratham
40	23012250510064	PATEL SHIVAM RAMESHBHAI	Shivam
		Name of Faculty	Akash
		Signature of Faculty	Akash

LJ Polytechnic, Ahmedabad (CL-5B)

Hackathon Event

Attendance Record

Date: 3/10/25

S#.	Enrol. #.	Student Name	Sign.
1	22012250510017	SOLANKI JAIMIN PAESHKUMAR	AB
2	22012250510023	THAKOR KARTIK DASHRATHIBHAI	K
3	22012250510033	LALL MANDEEPSINGH	AB
4	22012250510038	RIYAWALA MOHD. SHAHIM MOHD. ASIF	Shahim
5	22012250510066	PANDYA SAGARKUMAR JAYESHBHAI	AB
6	23012250510067	PATHAN NAJEERKHAN MAIYUDDINKHAN	AB
7	23012250510068	PRAJAPATI HIMANSHU VISHAL	Himanshu
8	23012250510069	PRINCE UMAKANT PATEL	Prince
9	23012250510070	RAMI AKSHAT JAIMIN	Akshat
10	23012250510071	RAVAL DHAIRYA SANDIPKUMAR	Dhairya
11	23012250510073	SAMA ABRARBHAI NIZAMBHAI	Abdur
12	23012250510074	SAMA HASNAIN HABIBBHAI	Hasnain
13	23012250510075	SAMA NAFISH RAMZANBHAI	Nafish
14	23012250510076	SAUMYA OZA	Saumya
15	23012250510077	SETALVAD PRIT ARPANKUMAR	Prit
16	23012250510078	SHAH JAHAN DISHIL	Jahan
17	23012250510079	SHAIKH MOHAMMAD GYASUDDIN SHAKIL	Shakil
18	23012250510080	SHLOK SHAH	Shlok
19	23012250510081	SISODIYA MOHAMMADZAI MO. MOJIM	Mojim
20	23012250510082	SOHAM HARSH SHAH	Soham
21	23012250510087	THAKOR DHAVAL BALDEVBHAI	Dhaaval
22	23012250510088	THAKOR KULDEEPSINH DILIPSINHJI	Kuldeep
23	23012250510089	THAKOR ROHITBHAI ARVINDBHAI	Rohit
24	23012250510090	TRAPASIYA HETARTH ROHITBHAI	Hetarth
25	23012250510091	TRIVEDI AYUSH MEHULKUMAR	Ayush
26	23012250510092	UPADHYAYA PARV BALBHADRA	Parv
27	23012250510093	VADHIYA PURVAM HETALBHAI	Purvam
28	23012250510094	VANSHRAJ VAGHELA	Vanshraj
29	23012250510096	VATSAL RAKESHBHAI PATEL	Vatsal
30	23012250510097	VEGDA DARSHIL MAUBHAI	Darshil
31	23012250570901	DABHI MAN RAJESHBHAI	Man
		Name of Faculty	Chintan Chirag
		Signature of Faculty	Chintan Chirag

13. Activity Brochure/Notice:

14. Outcome Summary:

Students will apply theoretical knowledge to real-world scenarios, enhance teamwork and problem-solving skills, gain experience in cost estimation and improve project management and communication abilities.