

Parul[®]
University

NAAC
GRADE **A++**

Centre for Distance and Online Education (CDOE)

PU Digital Hackathon

Innovate. Build. Transform.



2nd & 3rd August 2025



Mode: Online



Open to All

16 domains | 150+ problem statements | Endless possibilities

About Parul University

Parul University is a multidisciplinary destination of learning and innovation, propelling quality in higher education with a record of being India's youngest private university to receive NAAC A++ accreditation in the first cycle. Situated in Vadodara, Gujarat, Parul University is an embodiment of the nation's essence of cultural heritage blended with modern innovations and academic practices for student enrichment, while fostering national and global development. The University is an amalgamation of faculties and institutes that offer a plethora of diploma, undergraduate, postgraduate, and doctoral programs in numerous disciplines. Through its uniquely structured, industry-linked, and field-aligned programs, the University holds a noteworthy record of fulfilling the infinite dreams of students, by launching their lucrative careers towards high trajectories through start-up incubation and impeccable placement records. The 150-acre eco-friendly campus is home to over 50000+ offline students and 6000+ online students from every State of India and over 3,500+ international students from 75+ countries, making Parul University a truly culturally global destination. In recognition of Parul University's excellence in education it has been awarded for being the Best Private University in Western India by Praxis Media and Best University in Placements by ASSOCHAM and the Most Outstanding University in West Zone for having Highest Nationalities in Campus at the World Education Summit Awards.

About Centre for Distance and Online Education

The Centre for Distance and Online Education (CDOE) at Parul University is a dedicated academic division committed to offering quality education through flexible and accessible online learning formats. Rooted in the University's ethos of academic excellence and innovation, the CDOE is designed to support learners who aspire to upgrade their skills without compromising on their professional or personal responsibilities. The Centre offers a carefully curated set of Online Diploma and PG Diploma programs that address emerging industry needs and equip learners with practical, job-oriented knowledge. Offered under the umbrella of Parul University—accredited with NAAC A++ and recognized by UGC—these programs reflect the institution's commitment to making impactful education accessible to all. The CDOE combines subject expertise with digital pedagogy to deliver a rich, interactive, and learner-focused experience.

PU Digital Hackathon at a Glance

The PU Digital Hackathon is a premier 48-hour online innovation challenge that empowers the next generation of digital innovators through collaborative problem-solving and cutting-edge technology. Designed specifically for distance and online learners, the event bridges the gap between theoretical knowledge and practical application by offering a dynamic platform to showcase technical skills and creativity. Participants work in teams to develop innovative solutions across 16 diverse domains, including Cybersecurity, FinTech, EdTech, Smart Cities, and more, with a strong focus on real-world problem-solving and societal impact. Whether you're a coder, design thinker, or business strategist, the hackathon fosters collaboration, continuous learning, and the creation of meaningful, impactful solutions.

Central to the hackathon is the IBT Framework:

- Innovate: Think outside the box to tackle real-world challenges
- Build: Convert ideas into functional prototypes
- Transform: Create solutions that can change industries and communities

Why You Can't Miss PU Digital Hackathon

- 16+ Real-World Problem Domains – From FinTech to Smart Cities, tackle challenges that matter.
- 48 Hours of Non-Stop Innovation – Build, code, create, and pitch—all in two action-packed days.
- 100% Online & Accessible – Participate from anywhere, anytime—no boundaries, just ideas.
- Unlimited Innovation Opportunities – Dream big, build fast, and solve smart.
- Team-Based Collaboration – Connect with diverse minds, build together, grow together.
- Exciting Prizes & Recognition – Showcase your skills and stand a chance to win big.
- Mentorship & Learning – Get guided by experts, sharpen your thinking, and learn industry-ready skills.
- Impact-Driven Themes – Solve problems that create real social and technological impact.

Who can participate?

The PU Digital Hackathon is open to all learners from varied academic backgrounds. Whether you're from Engineering, Computer Applications, Management, Social Work, Liberal Arts, or Commerce, this inclusive event welcomes coders, design thinkers, strategists, and changemakers alike. If you have an idea, a vision, or simply the passion to solve problems—this hackathon is for you.



1. Cybersecurity & Privacy

Protecting Student Data on Learning Platforms

Propose a privacy policy and security checklist for EdTech platforms catering to students.

2. Digital Privacy Awareness for Rural Communities

Design a multilingual campaign to educate rural users about strong passwords, OTP safety, and phishing.

3. Cyber Hygiene Toolkit for Small Businesses

Create a simple toolkit (poster/manual/video) to help microenterprises assess and improve their cybersecurity.

4. Safe Browsing Curriculum for High School Students

Develop an interactive module (video/story/game) for schools on online safety and responsible browsing.

5. Cyberbullying Awareness and Response App

Ideate a community-driven mobile app for reporting and addressing online harassment.

6. Privacy Labels for Everyday Apps

Propose a simple labeling system that non-tech users can understand about app permissions and data sharing.

7. Cybercrime Awareness through Comics or Short Films

Create engaging media to explain common cybercrimes and prevention tips to diverse audiences.

8. Fake News and Misinformation Detection Training

Design a workshop model for arts and social work students to identify and respond to digital misinformation.

9. Community Helpline Model for Reporting Cybercrime

Build a mock-up of a helpline workflow for citizens to report scams and get immediate help.

10. Social Media Safety Guide for Young Professionals

Create a downloadable handbook on profile protection, fake accounts, and privacy settings.

2. Secure Digital Transactions

1. Designing UPI Help Cards for Elderly Users

Create a physical or digital card explaining step-by-step secure UPI use.

2. Awareness Campaign on Fake Payment Receipts

Build a campaign kit for shopkeepers to detect fraudulent payment screenshots.

3. Simplified Digital Wallet for Rural Women

Propose a wallet interface or learning flow to help women with basic education use digital payments.

4. Transaction Record Book for Non-Tech Vendors

Design a printable format for small vendors to record and verify payment details securely.

5. Secure Payment Poster for Small Shops

Create visual materials showing Do's and Don'ts for safe transactions.

6. Microloan Awareness App for Street Vendors

Build a concept for an app educating users on safe borrowing and avoiding digital loan traps.

7. Gamified Learning App on Financial Fraud

Develop a prototype quiz/story app to teach common digital frauds and how to avoid them.

8. Rural Merchant Digital Onboarding Guide

Design a training model to help non-tech merchants adopt digital payment methods securely.

9. Transaction Confirmation System for Community Groups

Propose a receipt confirmation flow (SMS or printed) for group savings or rotating credit groups.

10. Safe Donation Model for Social Campaigns

Ideate a system to securely accept small donations online for social causes or student-led initiatives.

3. EdTech & Smart Learning

1. Gamified Student Attendance System

Design a point-based system to reward consistent online class attendance.

2. Bridge Course Platform for Career Shifting Learners

Propose a short course format for arts/commerce graduates to explore tech skills.

3. Interactive Peer Learning App for Doubt Solving

Ideate an app where students can share and solve each other's academic queries anonymously.

4. Digital Mentor-Mentee Pairing System

Build a prototype or plan for matching students with mentors based on interests and needs.

5. Dashboard for Tracking Skill Growth

Propose a Google Sheet/dashboard that maps acquired certifications to future goals.

6. Virtual Classroom Engagement Analytics

Design a report system for teachers to track interaction, doubts, and participation.

7. Career Pathfinder for Online Students

Ideate a tool that recommends skill paths based on self-assessment and trends.

8. EdTech Adoption Strategy for Government Schools

Propose a non-technical plan to help rural schools adopt free digital tools and content.

9. Parental Dashboard for Monitoring Progress

Design a simplified progress report format for parents of online learners.

10. Subject-wise Community Discussion Forum

Create a forum model (like Reddit or Quora) for doubt-solving and resource sharing.

4. Smart Cities & IoT Solutions

1. Waste Collection Feedback App

Design a simple app or form to report missed garbage pickups in residential areas.

2. IoT-based Water Leak Detection Concept

Ideate a low-cost sensor or reporting system to identify water leakage in society pipelines.

3. Traffic-Free School Zones

Propose a community-led solution to reduce traffic during school hours (maps, routes, volunteers).

4. Digital Notice Board for Local Governments

Create a system where local authorities can post updates digitally and residents can respond.

5. Public Transport Accessibility Map

Build a mock interface showing the accessibility (ramps, steps, etc.) for public buses and stops.

6. Women Safety Mapping in Public Areas

Develop a crowdsourced platform to rate public safety in city zones based on real experiences.

7. IoT Bin Fill-Level Reporting (Manual Alternative)

Design a reporting method where garbage collectors can scan/report bin status without tech.

8. Smart Lighting Based on Community Needs

Propose a plan to optimize public lighting based on area activity levels (surveys or sensors).

9. Air Quality Awareness Dashboard for Schools

Create a visual report card on local air pollution with tips for students and parents.

10. City Feedback Week Campaign Kit

Design a campaign plan to collect citizen feedback across wards on sanitation, roads, and noise.

5. Tech-Driven Business & Entrepreneurship

1. Business Model Canvas for a Campus Startup

Fill out and present a canvas for a real or imagined student venture.

2. Social Media Plan for a Local Brand

Design a one-month social media calendar using Canva or other tools.

3. Product Pricing Strategy Template

Build a pricing sheet to help home bakers, crafters, or tutors determine selling prices.

4. Customer Feedback Collection Toolkit

Create feedback forms, QR-based suggestions, or in-store comment models for startups.

5. Digital Branding Kit for Microbusinesses

Design logos, name suggestions, taglines, and online banners for a local or rural business.

6. Marketing Video for a Student Startup

Produce a 1-minute pitch or promo video using a mobile phone and editing app.

7. E-Brochure for a Service-Based Startup

Develop an e-brochure (PDF/Canva) to explain features, pricing, and value.

8. Website Mockup for Solopreneurs

Build a homepage or landing page using free website builders (no-code tools).

9. Profit Forecasting Sheet for a Seasonal Business

Create a Google Sheet template to help track revenue and costs over time.

10. Pitch Deck for Startup Funding

Design a basic investor presentation including problem, solution, market, and revenue model.

11. Community-Based Business Incubation Plan

Propose how rural entrepreneurs can be trained and mentored using local resources.

12. Customer Persona Profiles for Product Testing

Build user profiles and feedback scenarios to test a prototype or service idea.

6. Social Impact & Accessibility

1. Accessible Website Redesign for NGOs

Audit and suggest improvements for NGO websites to make them more accessible (font size, alt text, navigation).

2. Inclusive Education Toolkit for Children with Disabilities

Design a set of printable/digital learning aids for children with visual, hearing, or mobility impairments.

3. Community Feedback System for Government Services

Create a voice/QR-based feedback model for rural citizens to report issues with public schemes.

4. Accessibility Audit of Public Spaces

Conduct a survey and propose improvements for ramps, signage, and facilities at a college or public area.

5. Volunteer App to Connect Social Workers with Causes

Ideate an app that matches student volunteers with NGOs and local impact initiatives.

6. Mobile Literacy Program for Domestic Workers

Create a campaign or toolkit to train house helpers in using basic apps like WhatsApp and Gpay.

7. Low-Tech Financial Literacy Program for SHGs

Design a curriculum or printable material for Self Help Groups on savings, loans, and digital banking.

8. Assistive Tech Prototypes Using Everyday Materials

Build simple devices (e.g., bottle cap gripper, paper-based Braille aids) using DIY materials.

9. Awareness Campaign for Menstrual Hygiene in Rural Schools

Create videos, posters, and sessions for social work/commerce students to roll out.

10. Accessibility Grading System for Local Shops & Cafes

Propose a scoring method for ramps, entrance width, and service experience for specially-abled customers.

7. Healthcare & MedTech Innovation

1. Patient Intake Form Redesign for Low-Literacy Users

Create a picture-based, multilingual version of a basic hospital form.

2. Digital Queue Management for Clinics

Design a low-cost mobile/web system to manage waiting lines in small clinics or PHCs.

3. Mental Health Tracker for Students

Propose a self-care journaling app or toolkit to track moods and get wellness tips.

4. Health Record Booklet for Rural Women

Design a physical or digital logbook to record pregnancy, child vaccination, or nutrition status.

5. First Aid App for Emergency Situations

Develop a simple, step-by-step emergency guide app that works offline.

6. Diet Tracking Sheet for Diabetic Patients

Create a weekly printable diet + sugar monitoring log in regional languages.

7. Awareness Poster Series on Non-Communicable Diseases

Design a campaign for schools and workplaces to spread awareness about diabetes, BP, and obesity.

8. Telemedicine Explainer for Villages

Build a visual/audio-based guide to explain what telemedicine is and how to use it.

9. Menstrual Cycle Tracker with Local Customization

Ideate a culturally sensitive tracker app to encourage adoption in conservative areas.

10. Low-Cost Prosthetic Concept Using Recyclables

Propose DIY models for assistive aids using plastic bottles, cardboard, and cloth.

8. AI & Machine Learning Applications

1. Resume Screener for Campus Placement

Build a prototype that filters resumes based on keywords and basic logic.

2. Predictive Attendance Model for Classrooms

Use Excel + basic AI formulas to forecast which students may drop below 75% attendance.

3. Sentiment Analysis of Product Reviews

Analyze reviews of 100+ products to see which ones are most positively received.

4. AI-Powered Chatbot for College FAQs

Ideate a chatbot answering common student queries (admissions, exams, fees).

5. Emotion Detection from Text Messages

Build a basic model that categorizes text inputs as happy, sad, angry, etc.

6. Customer Segmentation using Survey Data

Use clustering logic to divide users into types (e.g., based on app usage or feedback).

7. AI-Powered Marketing Campaign Generator

Input: product + target group Output: 3 catchy ad slogans and a visual concept.

8. Fake News Classifier (Manual Tagging + ML)

Create a dataset of news and build a simple ML model that detects suspicious content.

9. Student Performance Predictor Based on Midterms

Design a dashboard that forecasts final scores using midterm and quiz results.

10. Voice Command System for People with Disabilities

Build or conceptually design a voice-only interface to operate lights, fan, etc.

9. Sustainable Tech & Climate Action

1. Household Carbon Footprint Calculator

Build a Google Sheet or web form to calculate monthly emissions based on lifestyle choices.

2. Plastic-Free Campus Campaign Plan

Design a full campaign rollout for a university to reduce single-use plastic usage.

3. Eco-Product Label Design for Local Shops

Propose labels for items made using sustainable materials (with QR code to educate consumers).

4. Compost Tracking App for Hostels or Flats

Create an app or poster system for tracking composting participation and impact.

5. Green Building Awareness Posters for Construction Workers

Design illustrated posters explaining eco-friendly construction tips in simple language.

6. Water Conservation Pledge System

Launch a digital + on-ground system where users take weekly water-saving challenges.

7. Energy Usage Report Card for Small Businesses

Create a sample report to show how cafes or salons can reduce their monthly electricity usage.

8. Recycling Bin Color Coding Awareness Tool

Build a community board or mobile guide to educate about correct waste disposal bins.

9. Digital Inventory for Upcycled Products

Build a catalog system for artisans who make upcycled crafts to display/sell online.

10. Sustainability Index for Colleges

Design a scoring system that tracks eco-initiatives like tree planting, recycling, solar use, etc.

10. FinTech & Financial Innovation

1. Expense Tracker for College Students

Build a mobile or Excel-based tool to track daily spends and savings goals.

2. Digital Piggy Bank App for Kids

Ideate a fun app where children learn saving by earning coins for chores.

3. Credit Score Awareness Video Series

Design short videos explaining how to build and maintain a healthy credit score.

4. Loan Comparison Sheet for Small Businesses

Create a template comparing bank loans, interest rates, eligibility, and documents needed.

5. Investment Literacy Campaign for Beginners

Develop a non-technical guide for understanding FD, SIP, PPF, and stock basics.

6. Fraud Alert Simulation Game for Rural Users

Design a board game or quiz app that teaches how to spot fake links and offers.

7. QR Donation System for Community Projects

Build a concept for safe, trackable donations using QR and UPI for local campaigns.

8. Financial Planning Dashboard for Event Budgets

Create a template for NGOs/students to plan and track event finances effectively.

9. Digital Wallet Awareness Poster for Local Vendors

Design printable awareness materials on using PhonePe, GPay, etc. securely.

10. Mock Investment Portfolio Challenge

Organize a simulation where students invest ₹1L in virtual stocks and track progress over 7 days.

11. HRTech & People Analytics

1. Workplace Satisfaction Survey Tool

Create a simple web form or sheet for internal feedback collection.

2. Candidate Evaluation Scorecard Template

Design an interview assessment sheet for HRs to rate soft skills, fit, and performance.

3. Onboarding Checklist App for New Joinees

Ideate a to-do app/checklist with progress bar and HR contact info.

4. Diversity Dashboard for Teams

Build a visual dashboard showing team diversity (gender, background, etc.).

5. Employee Recognition Model

Propose a point-based reward model for peer-to-peer appreciation.

6. Mental Health Check-In Bot for Employees

Design a simple chatbot or form asking weekly wellness questions.

7. AI Resume Matching System (Basic Logic)

Use keyword match logic to shortlist resumes for job descriptions.

8. HR Toolkit for Hiring Interns Remotely

Create templates for JD, task lists, feedback, and progress tracking.

9. Work From Home Productivity Tracker (Non-Surveillance)

Propose non-intrusive ways for employees to self-report task completion and breaks.

10. Soft Skills Upskilling Platform Plan

Ideate a platform where employees can learn communication, etiquette, and time management.

12. Business Analytics & Data-Driven Decision Making

1. Sales Dashboard for a Local Store

Build a Google Sheets dashboard to track sales, profit, and inventory levels.

2. Customer Feedback Analysis for a Café

Analyze reviews or survey data to find top likes/dislikes.

3. Marketing ROI Calculator

Design a sheet that compares marketing spend with returns across platforms.

4. Product Preference Survey & Report

Conduct a survey among 50 users and create a visual report with pie/bar charts.

5. Employee Satisfaction Analytics Report

Analyze hypothetical data on workload, hours, and feedback to generate insights.

6. Attendance Pattern Heatmap for Classes

Use Excel to map attendance % over days/weeks and spot drop trends.

7. Retail Trend Forecast Using Basic AI

Forecast next month's sales using previous data and linear prediction logic.

8. Budget Planning Tool for a College Fest

Create a Google Sheet with pre-defined categories to track and analyze event spending.

9. Digital Campaign Performance Dashboard

Build a model showing engagement metrics (likes, shares, reach) for a social media ad.

10. Compare Loan Repayment Options Over Time

Build an amortization calculator that shows impact of different EMI plans.

13. Operations & Supply Chain Innovation

1. Inventory Management Tool for Kirana Stores

Build a simple Excel template that tracks stock levels, reorder points, and expiry dates.

2. Delivery Route Optimization Plan

Propose route changes to save fuel/time for a local delivery service using Google Maps.

3. Vendor Evaluation Scorecard

Create a scoring model based on quality, delivery, and price.

4. Warehouse Layout Planner (Manual/Low-Tech)

Design an efficient layout for a small warehouse using pen-paper/Google Drawings.

5. Product Lifecycle Tracker

Create a sheet/dashboard to monitor products from raw materials to end-of-life.

6. Last-Mile Delivery Problem Solver

Propose a model for delivery in rural/remote areas using offline maps or local agents.

7. Return Logistics Strategy for E-Commerce

Build a process flow for returns, refunds, and reshipment.

8. Supplier Coordination App Mockup

Design wireframes for an app that helps small manufacturers track and communicate with suppliers.

9. Packaging Waste Reduction Plan

Suggest ways for a business to shift to reusable or biodegradable packaging.

10. Operations Checklist for a Food Truck Startup

Create a daily/weekly checklist for supplies, hygiene, and compliance.

14. Healthcare Management & Digital Health

1. Appointment Booking App for Local Clinics

Design a simple interface or form to streamline patient scheduling.

2. Medical Inventory Tracker for Pharmacies

Build a basic Excel sheet for stock, expiry, and reorder alerts.

3. Health Awareness Newsletter for College Students

Create content and layout for a bi-weekly digital newsletter on health topics.

4. Vaccination Status Dashboard for Communities

Propose a system for ASHA workers to update vaccination records in one place.

5. Wellness Calendar for Working Professionals

Design a printable or app-based plan for water intake, sleep, and movement goals.

6. Digital Prescription Format for Small Clinics

Build a form template for typing and printing prescriptions digitally.

7. Data Privacy Policy for Patient Portals

Draft a simple privacy policy for apps collecting health data.

8. Medical Record Wallet for Migrant Workers

Ideate a format or app to store basic health history when people move across states.

9. Awareness Posters on Lifestyle Diseases

Design multi-lingual posters about hypertension, diabetes, and cholesterol.

10. Clinic Efficiency Tracker

Develop a form or tool to track average waiting time and improve patient flow.

15. Marketing & Consumer Behavior

1. Customer Persona Development for a Local Product

Create 3–4 persona profiles using fictional or real interview data.

2. Instagram Reels Strategy for a Homegrown Brand

Plan 7-day reel ideas to increase engagement and promote storytelling.

3. Brand Awareness Survey Design and Insights

Design a form, collect responses, and present visual insights in slides.

4. Seasonal Campaign Plan for an FMCG Product

Create a mock campaign for festivals or exam seasons (posters, hashtags, timing).

5. Digital Ad Comparison Report

Compare and analyze 3 similar Facebook or YouTube ads for effectiveness.

6. Consumer Feedback Loop for New Launches

Design a process for collecting feedback, iterating, and relaunching products.

7. Visual Merchandising Ideas for Small Shops

Propose designs that increase footfall using color, layout, and display tricks.

8. Product Packaging Redesign for Young Consumers

Present 2–3 mock designs (Canva, Figma, etc.) to appeal to youth.

9. A/B Testing Plan for Ad Copies

Build a simple test plan to compare two slogans or messages.

10. Influencer Mapping for Local Services

Identify 5–10 relevant micro-influencers for a regional service and propose a pitch.

Important Dates:

Registration Opens: 01st July 2025

Early Bird Registration Ends: 10th July 2025

Proposal Submission Deadline: 22nd July 2025

Shortlisting Mail By: 25th July 2025

Hackathon Begins: 2nd August 2025

Hackathon Ends: 3rd August 2025

Final Submission: 3rd August 2025

Result Announcement: 5th August 2025

All timings in IST | Late submissions will NOT be accepted

Scan here for Registration:



Scan here for Payment:



Registration & Payment Process :

Step 1: Scan the registration QR and fill team details

Step 2: Pay ₹500 per team using the payment QR

Step 3: Receive confirmation email with event details

Team Registration Details:

- Team Size: 2-4 members (Including Team Leader)
- Only students allowed
- One registration per team
- Payment proof mandatory
- Valid student ID required
- Team leader will receive all communications
- No refunds after registration

Payment Details:

- ₹500 per team
- Account: Parul University
- Save payment screenshot and upload during registration

Awards & Recognition :

- **1st Place**: Cash Prize + E-Certificate
- **2nd Place**: Cash Prize + E-Certificate
- **3rd Place**: Cash Prize + E-Certificate
- All Participants : E-Certificates and Recognition

Evaluation Process & Rounds :

The PU Digital Hackathon follows a transparent, multi-stage evaluation to identify the most innovative and impactful solutions. Here's the complete flow:

Proposal Screening (Pre-Round 1)

Deadline: 22nd July 2025

- ✓ Initial review of submitted project proposals
- Screening Parameters:
- ✓ Alignment with selected domain
 - ✓ Originality and problem-solving potential
 - ✓ Feasibility of the proposed approach
 - ✓ Completeness of proposal submission

Only shortlisted proposals will move to Round 1. Non-selected teams will be notified by 25th July 2025.

Round 1: Idea Pitch & Q&A

Date: 2nd August 2025 (Hackathon Day 1)

- ✓ Live Idea Pitch by shortlisted teams (online)

Evaluation Parameters:

- Problem understanding and clarity
- Innovation & uniqueness of the solution concept
- Real-world relevance and impact potential
- Team collaboration and presentation skills

Top-performing teams from Round 1 will advance to Round 2

Round 2: Prototype Demonstration

Date: 3rd August 2025 (Hackathon Day 2)

✓ Live demonstration of working prototype or MVP

Evaluation Parameters:

- Functional progress and technical execution
- Effective use of chosen technology stack
- User-centric design and interface considerations
- Responsiveness to feedback received in Round 1

Finalists will be selected based on prototype quality and overall development

Final Round: Solution Showcase & Judging

Date: 3rd August 2025 (Evening)

✓ Final solution presentation to jury panel

Evaluation Parameters:

- Fully functional solution and completeness
- Technical depth and innovation
- Real-world impact and scalability
- User experience, interface, and aesthetics
- Clarity, confidence, and team presentation skills

Winners will be declared based on overall performance across rounds

Contact Details:

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