

SPARK IDEATHON

Igniting Ideas, Inspiring Innovation

BACHELOR OF ENGINEERING – CSE

For 1st and 2nd Year Students

Spark*

Objectives

Spark is a hackathon designed to foster creativity, problem-solving, and innovation.

The event is divided into three main sections:

- Expert Guidance
- Coding Contest (Optional)
- PPT Presentation (Main Evaluation)

Expert Guidance

What?

- Mentorship sessions by industry experts & professors
- Insights on problem statements, tools, and technologies

Why?

- To **guide and inspire participants** so they start with clarity and confidence.

Coding Contest (Optional)

What?

- 3 different coding challenge on a dedicated platform (Quiz Type)
- Scoring:
 - Participation in any of 3 → **+0.5 mark**
 - Best in Category (Web/App/General) → **+1 mark**
 - Overall Topper (won in at least 2) → **+2 marks**

Why?

- To **recognize coding talent** and provide a fair chance to earn **bonus marks** without making it mandatory.

About Coding Contest

About the Contest:

- Completely **optional** (bonus marks only)
- Conducted in **3 rounds**, each focusing on a specific domain
- Format: **Quiz-based**, MCQs
- AI allowed for brainstorming but **speed matters** (time limit enforced)
- Students can participate in any round irrespective of previous rounds
- Top in at least 2 domains to get +2 marks bonus
- Best in one domain gets +1 mark bonus
- Participation in any round gets your team +0.5 marks

Rounds & Categories:

- **Round 1 – Web Development Quiz**
 - Covers HTML, CSS, JavaScript basics, frameworks, and best practices
 - Focus on fundamental and practical problem-solving
- **Round 2 – General Programming Quiz**
 - Core C, C++, Python concepts
 - Data Structures, Algorithms, Debugging scenarios
- **Round 3 – App Development Quiz**
 - Android, iOS, cross-platform (Flutter, React Native) basics
 - App architecture, UI/UX, APIs

PPT Presentation (Main Evaluation)

What?

- Each team presents their **idea and solution** through PPT (with demo if possible).

Scoring (10 Marks):

- Problem Understanding & Relevance → **2 marks**
- Creativity & Innovation → **3 marks**
- Technical Feasibility / Implementation → **2 marks**
- Presentation & Communication → **3 marks**

Why?

- To evaluate **clarity, innovation, and feasibility** — ensuring ideas are not just creative but also practical.

PPT Guidelines

Teams must prepare a PPT with max **12 slides** with these specific Slides:

- Title Page
(CU Logo + SPARK IDEATHON)
- Problem Statement
- Why This Problem Matters
- Proposed Solution
- Creativity & Innovation
- Target Users / Beneficiaries
- Tech Stack / Tools
- Implementation Plan / Workflow
- Prototype / Demo (if any)
- Results / Expected Outcomes
- Future Scope & Challenges
- Thank You + Contact Info

Why?

- To provide a **clear, uniform structure** for fair evaluation.

PPT Topics (Open Innovation)

7

Theme:

- Focus on **innovative solutions** in any technology domain
- Teams are free to **choose their own problem statement**

Suggested Domains (not limited to):

- Artificial Intelligence (AI) & Machine Learning (ML)
- Web3 & Blockchain
- App Development (Mobile/Desktop)
- Cybersecurity & Privacy
- Internet of Things (IoT) / Smart Systems

Example Idea Topics:

- AI-Powered Health Assistant – helps monitor daily health using voice & sensor data
- Blockchain-based Certificate Verification System – for universities & companies
- Mental Wellness App – gamified daily tracker for stress and focus improvement
- Smart Waste Management System – IoT-based solution for cities
- Web3 Crowdfunding Platform – decentralized, transparent fundraising

These are just examples, the more you imagine the more you score.....

Judging & Scoring

How?

- PPT Presentation = **Main evaluation (2+3+2+3 = 10 marks)**
- Coding Contest = **Optional bonus (up to +2, capped at 10 total)**

Why?

To maintain **fairness** while rewarding both **innovative thinking and coding excellence**.

Team Requirements

What?

- Team size: **Minimum 3, Maximum 4 members**
- Eligible students: **1st or 2nd year BE CSE, Chandigarh University**
- Each team must nominate **one Team Leader**

Why?

- To encourage **collaboration and fair participation**
- To ensure all teams are **balanced in size and academic background**
- A Team Leader provides **clear communication and responsibility**

Rewards & Recognition

- **Full Day Duty Leave (DL)** for all participants
- **E-Certificates** for every participant
- **Coding Contest Category specific Certificates** from respective clubs
(to be confirmed)
- **Trophies & Certificates** for **Top 3 Teams**

Rules

General Rules

- Teams must strictly follow **PPT Guidelines (12 slides max)**.
- **No similar/repeated content** between teams (plagiarism leads to disqualification).
- **All team members must be CU BE CSE students (1st or 2nd year)**.
- **One Team Leader** must be appointed for communication.

AI Usage Rules

- **AI is allowed for idea generation & coding contest support.**
- **AI is NOT allowed for direct PPT creation** (e.g., Gamma, Canva premade templates, or similar well-known design platforms). Using them = **direct disqualification**.
- Teams must **present in their own words**; AI-generated text must be customized.

Rules

Coding Contest Rules


- Participation earns **+0.5 mark**, Best in Category = **+1**, Best in at least 2 = **+2**.
- Contest will be **time-limited** – fastest and most accurate teams secure top positions.
- Use of AI is allowed in contest, but the faster team will be the winner

Strict adherence to time limit (5–6 minutes).

- Every team must give the floor to the **Team Leader at least once**.
- Teams must be ready for **Q&A by judges**.

Behavioral Rules

- Respect mentors, organizers, and other teams.
- Any form of **misconduct or unfair means** will result in disqualification.
- Judges' decision will be **final and binding**.



Thank You for Being a Part of Spark Ideathon!

🌟 Innovate • Create • Present • Win 🌟

- **Organized by:**
Chandigarh University – Dept. of CSE
- **Contact Information:**
Email: spark.ideathon@cumail.com
Phone: +91-XXXXXXXXXX
Website/Portal: CUSPARK.live