

**A J Institute of Engineering & Technology, Mangaluru**

ORGANIZED BY

**Department of Computer Science and Engineering**

IN ASSOCIATION WITH

Training & Placement Department

Student Development Club

**24-HOUR NATIONAL LEVEL HACKATHON**

# SINGULARITY

*Driven by Code, Defined by Innovation.*

**40**

Teams

**160**

Participants

**24**

Hours

**Rs. 2.5L**

Budget

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**PROPOSAL & BUDGET DOCUMENT**

Singularity is about bringing students from different colleges together to build real projects in 24 hours. Since our institution's founding in 2016, we've wanted to create a platform where students move past just theories and start shipping actual code.

This event is for the builders—students who have ideas but need the right environment and a bit of pressure to turn them into working solutions.

### **What makes Singularity different?**

- Real-world industry problem statements instead of toy projects
- Industry mentors interacting directly with participants on the floor
- Multiple diverse tracks across Computer Science and emerging technologies
- Focus on building and shipping impactful solutions, not just pitching ideas
- 24-hour collaborative innovation environment
- Opportunity to showcase our institution's infrastructure, technical talent, and organizational capability before students, mentors, and industry experts from different colleges

### **Who is it for?**

- Undergraduate students including BTech, BE, BCA, BSc, and other technical streams
- Developers, designers, AI/ML enthusiasts, and innovators
- Students passionate about solving practical problems
- First-time hackers as well as experienced builders
- Teams looking for networking, mentorship, and collaboration opportunities

We focus on what you build, not just what you pitch. You get 24 hours of uninterrupted time, mentorship from actual developers, and a chance to turn a side project into a working prototype.

Top teams aren't just winning prizes—they're getting direct lines to internships and industry mentors who can help take their projects further.

## Evaluation & Team Structure

### How we judge progress

We use three check-ins to make sure you're on the right track and to help you unblock technical issues.

#### Phase A: Is it buildable? (4:00 PM)

We look at your stack and plan. Is this a 24-hour project or a 6-month one?

#### Phase B: Show us the code (8:30 PM)

Halfway point. We check your logic and how much of the core feature is actually working.

#### Phase C: The Demo (12:00 PM)

No slides-only pitches. Show us the live demo and how it handles edge cases.

### Team Dynamics

- **Configuration:** Strictly 4 members per team to balance roles (Frontend, Backend, Design, Data)
- **Capacity:** Capped at 40 elite teams (160 participants total) for high-quality mentorship
- **Tracks:** Multiple specialized tracks including AI/ML, Web3, and Social Impact
- **Support:** 1:5 Mentor-to-Team ratio for continuous technical guidance

## Innovation Tracks: What are we building?

1. Artificial Intelligence & Machine Learning Innovations
2. FinTech & Digital Finance Solutions
3. Web3, Blockchain & Decentralized Technologies
4. Sustainability, Climate Tech & Green Innovation

## Phase 1: Registration & Idea Screening

Participants register through the official event website or **Unstop**. During registration, teams will receive a list of problem statements and innovation tracks.

### Teams are expected to:

- Choose a preferred track/problem statement
- Prepare a short PPT presentation
- Build an initial prototype or proof of concept (optional but recommended)
- Submit their idea before the screening deadline

**Selection Criteria:** Innovation & originality | Feasibility | Technical approach | Problem relevance | Presentation quality.

*Shortlisted teams will be officially invited to the 24-hour finale.*

## Phase 2: 24-Hour Hackathon Flow

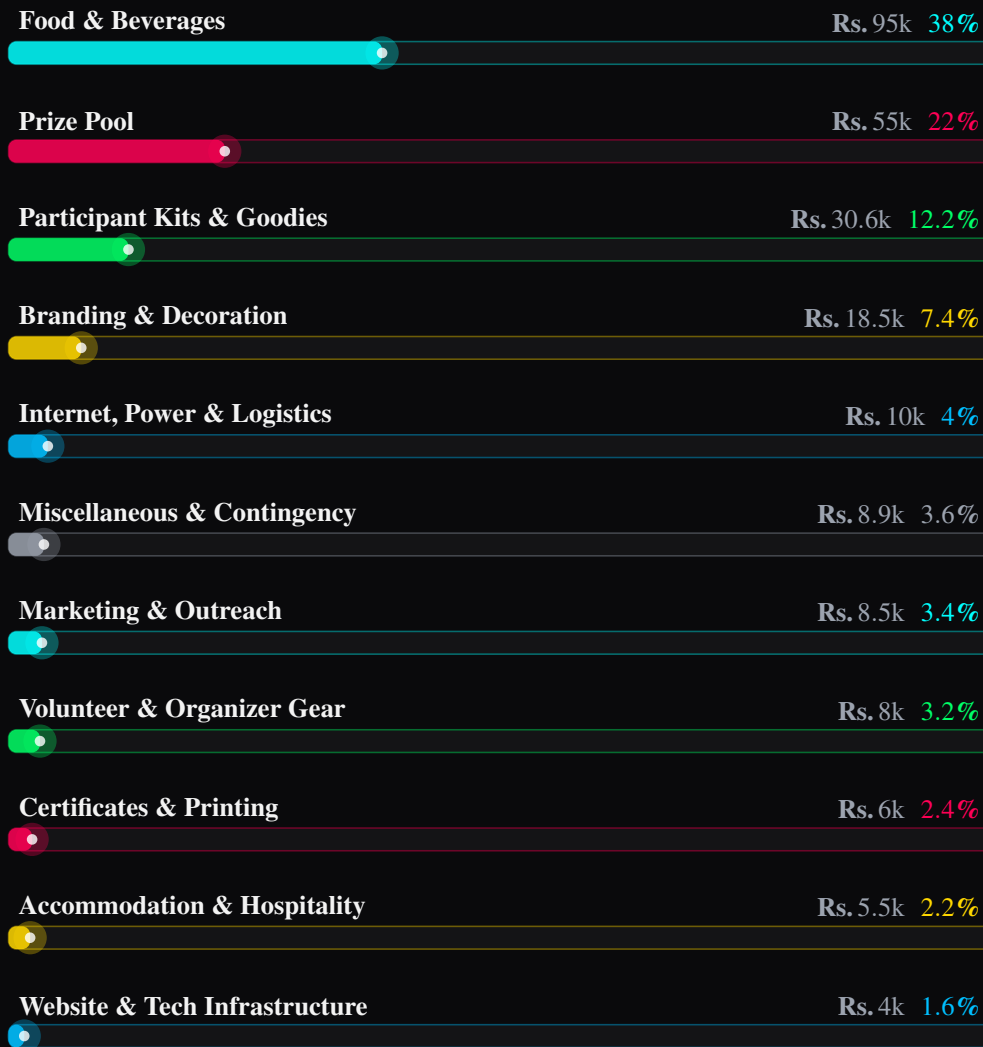


**Rs. 2,50,000****DETAILED BELOW**

| # | Category                   | Detailed Breakdown                     | Calculation         | Amount (Rs.)  |
|---|----------------------------|----------------------------------------|---------------------|---------------|
| 1 | Food & Beverages           | Day 1 Breakfast                        | 200 × Rs. 45        | 9,000         |
|   |                            | Day 1 Lunch                            | 200 × Rs. 85        | 17,000        |
|   |                            | Day 1 Dinner                           | 200 × Rs. 85        | 17,000        |
|   |                            | Day 2 Breakfast                        | 200 × Rs. 45        | 9,000         |
|   |                            | Day 2 Lunch                            | 200 × Rs. 85        | 17,000        |
|   |                            | Evening Snacks + Tea/Coffee            | 200 × Rs. 40        | 8,000         |
|   |                            | Midnight Snacks + Tea/Coffee           | 200 × Rs. 40        | 8,000         |
|   |                            | Mentor/Judge/Guest Hospitality         | Lump Sum            | 5,000         |
|   |                            | Water Bottles, Cups, Plates & Tissues  | Lump Sum            | 5,000         |
|   |                            | <b>Food &amp; Beverage Total</b>       |                     | <b>95,000</b> |
| 2 | Prize Pool                 | Winner Prize                           | Rs. 25,000          | 25,000        |
|   |                            | Runner-Up Prize                        | Rs. 15,000          | 15,000        |
|   |                            | Second Runner-Up Prize                 | Rs. 7,000           | 7,000         |
|   |                            | Jury Special Award                     | Rs. 4,000           | 4,000         |
|   |                            | Giant Cheque Printing                  | 4 × Rs. 500         | 2,000         |
|   |                            | Trophy/Glass Memento                   | Approx              | 2,000         |
|   |                            | <b>Prize Pool Total</b>                |                     | <b>55,000</b> |
| 3 | Branding & Decoration      | Main Stage Backdrop Flex               | Large Flex Print    | 4,500         |
|   |                            | Entrance Welcome Banner                |                     | 2,500         |
|   |                            | Sponsor Wall Printing                  |                     | 3,500         |
|   |                            | Direction Signage & Navigation         |                     | 1,500         |
|   |                            | Registration Desk Branding             |                     | 1,500         |
|   |                            | Neon/Accent Lighting Decor             |                     | 3,000         |
|   |                            | Misc Decoration Materials              | Tape, clips, stands | 2,000         |
|   |                            | <b>Branding &amp; Decoration Total</b> |                     | <b>18,500</b> |
| 4 | Participant Kits & Goodies | Goodies & Merchandise                  | 160 × Rs. 150       | 24,000        |
|   |                            | ID Cards                               | 180 × Rs. 12        | 2,160         |
|   |                            | Printed Lanyards                       | 180 × Rs. 18        | 3,240         |
|   |                            | Kit Packaging & Misc Supplies          | Lump Sum            | 1,200         |
|   |                            | <b>Participant Kits Total</b>          |                     | <b>30,600</b> |
| 5 | Volunteer & Organizer Gear | Volunteer T-Shirts                     | 20 × Rs. 400        | 8,000         |
|   |                            | <b>Volunteer Gear Total</b>            |                     | <b>8,000</b>  |

| #           | Category                    | Detailed Breakdown               |                       | Calculation  | Amount (Rs.) |
|-------------|-----------------------------|----------------------------------|-----------------------|--------------|--------------|
| 6           | Marketing & Outreach        | Instagram Promotions             |                       |              | 2,000        |
|             |                             | Poster Designing                 |                       |              | 1,500        |
|             |                             | Poster/Flex Printing             |                       |              | 3,000        |
|             |                             | Social Media Creative Assets     |                       |              | 2,000        |
|             |                             | Marketing Total                  |                       |              | 8,500        |
| 7           | Website & Tech Infra        | Hosting Charges                  |                       |              | 2,000        |
|             |                             | Registration & QR Setup          |                       |              | 1,000        |
|             |                             | Misc Technical Expenses          |                       |              | 1,000        |
|             |                             | Tech Infrastructure Total        |                       |              | 4,000        |
| 8           | Certificates & Printing     | Participant Certificates         |                       | 160 × Rs. 20 | 3,200        |
|             |                             | Volunteer & Organizer Certs      |                       | 30 × Rs. 20  | 600          |
|             |                             | Eval Sheets & Rulebook Print     |                       | Lump Sum     | 1,200        |
|             |                             | Xerox & Emergency Printouts      |                       | Lump Sum     | 1,000        |
|             |                             | Certificates & Printing Total    |                       |              | 6,000        |
| 9           | Internet, Power & Logistics | Backup WiFi Routers              |                       |              | 3,000        |
|             |                             | Extension Boards & Strips        |                       |              | 3,500        |
|             |                             | Adapters & Cables                |                       |              | 1,500        |
|             |                             | Charging & Cable Management      |                       |              | 2,000        |
|             |                             | Infrastructure & Logistics Total |                       |              | 10,000       |
| 10          | Accommodation & Hospitality | Guest/Mentor Accommodation       |                       |              | 3,500        |
|             |                             | Networking & Lounge Setup        | Chairs, tables        | 2,000        |              |
|             |                             | Hospitality Total                |                       |              | 5,500        |
| 11          | Miscellaneous & Contingency | Emergency Replacements, Expenses | Purchases, Unexpected | Lump Sum     | 8,900        |
|             |                             | Miscellaneous Total              |                       |              | 8,900        |
| GRAND TOTAL |                             |                                  |                       |              | Rs. 2,50,000 |

Total budget of **Rs. 2,50,000** distributed across 11 categories. The bars below show the proportional share of each category.



### Core Event Spend

- **Food & Beverages:** Rs. 95,000 (38%)
- **Prize Pool:** Rs. 55,000 (22%)
- **Participant Kits:** Rs. 30,600 (12%)

These three categories account for 72% of the total budget.

### Operations & Logistics

- **Branding & Decor:** Rs. 18,500 (7.4%)
- **Power & Logistics:** Rs. 10,000 (4.0%)
- **6 Other Categories:** Rs. 40,900 (16.4%)

Marketing, Volunteer Gear, Certificates, Accommodation, Website & Misc.

## 5 Prize Structure: What's at Stake



## 6 Food & Fuel Plan

Nobody codes well on an empty stomach. Here's the detailed meal plan breakdown covering all 200 attendees (160 participants + 40 staff/mentors/guests).

| Meal Slot                      | Details                               | Rate        | Cost (Rs.) |
|--------------------------------|---------------------------------------|-------------|------------|
| Day 1 Breakfast                | Morning fuel on arrival               | 200 × Rs.45 | 9,000      |
| Day 1 Lunch                    | Main meal, Day 1                      | 200 × Rs.85 | 17,000     |
| Day 1 Dinner                   | Evening main meal                     | 200 × Rs.85 | 17,000     |
| Day 2 Breakfast                | Morning fuel, Day 2                   | 200 × Rs.45 | 9,000      |
| Day 2 Lunch                    | Final main meal                       | 200 × Rs.85 | 17,000     |
| Evening Snacks + Tea/Coffee    | 5:00 PM refreshment break             | 200 × Rs.40 | 8,000      |
| Midnight Snacks + Tea/Coffee   | 12:00 AM refreshment break            | 200 × Rs.40 | 8,000      |
| Mentor/Judge/Guest Hospitality | Special catering for guests & jury    | Lump Sum    | 5,000      |
| Water, Disposables & Tissues   | Water bottles, cups, plates & tissues | Lump Sum    | 5,000      |

**Total Food & Beverage Budget: Rs. 95,000**

A great hackathon needs more than just a venue. We've optimized the workspace for 24-hour coding—ensuring every developer has what they need to stay in the zone and keep building.

### 1. Volunteer Support

- **Team Gear:** Custom T-shirts for our 20 organizers so participants can easily find help when they're stuck.
- **On-floor Support:** Volunteers are trained to handle everything from WiFi issues to food distribution without disturbing the flow.
- **Total Allocation: Rs. 8,000**

### 3. Participant Kits & Goodies

- **Merchandise:** Goodies for all 160 participants ( $160 \times \text{Rs.}150 = \text{Rs.}24,000$ ).
- **ID Cards:** Printed ID cards for all 180 attendees ( $180 \times \text{Rs.}12 = \text{Rs.}2,160$ ).
- **Lanyards:** Printed lanyards for all 180 attendees ( $180 \times \text{Rs.}18 = \text{Rs.}3,240$ ).
- **Kit Packaging:** Bags and miscellaneous kit supplies (Rs. 1,200).
- **Total Allocation: Rs. 30,600**

### 2. Branding, Environment & Setup

- **Stage Backdrop:** Large flex printing for the main stage (Rs. 4,500).
- **Banners & Signage:** Welcome banners, sponsor wall, and navigation boards (Rs. 7,500).
- **Neon Lighting & Misc:** Accent lighting decor and mounting materials (Rs. 5,000).
- **Registration Desk Branding:** Dedicated desk setup (Rs. 1,500).
- **Total Allocation: Rs. 18,500**

### 4. Power, Internet & Logistics

- **Backup WiFi Routers:** Redundant high-speed internet for all 40+ teams (Rs. 3,000).
- **Extension Boards & Power Strips:** Dedicated power at every desk (Rs. 3,500).
- **Adapters & Cable Accessories:** Full cabling kit (Rs. 1,500).
- **Charging & Cable Management:** Organized cable setup (Rs. 2,000).
- **Total Allocation: Rs. 10,000**

#### Marketing & Outreach

Rs. 8,500

Instagram, poster design, flex printing & social assets

#### Certificates & Printing

Rs. 6,000

160 participant certs, 30 volunteer certs, rulebooks & xerox

#### Accommodation

Rs. 5,500

Guest/mentor rooms & networking lounge setup

#### Website & Tech

Rs. 4,000

Hosting, QR registration setup & misc technical expenses

To run a national-level hackathon, we rely on the college's existing infrastructure—from the main auditorium to 24/7 security and campus transport. This collaborative support is what allows us to host 160+ guests and maintain a high-energy environment for the full 24 hours.

### 1. Auditorium & Common Area

- **Primary Hacking Venue:** Access to the main auditorium for core hacking sessions, inauguration, and ceremonies
- **24/7 Connectivity:** Stable, high-speed WiFi network and continuous access to institutional technical infrastructure
- **Power Reliability:** Uninterrupted electricity support throughout the 24-hour event duration
- **Hospitality Area:** Designated dining and common spaces for participant gatherings and catering services
- **Operations:** Seating and stage setup support for the official opening and closing ceremonies
- **Refreshments:** Food court timing extension until 8:00 PM for participant snack access

### 2. Emergency & Resting Facilities

- **Medical Support:** Dedicated girls' room for emergency first-aid and rest support if needed
- **Accommodation:** Approximately 5 resting rooms within hostels for mentors, organizers, and emergency use
- **Operations:** Basic overnight support arrangements for event management and core team members

### 3. Campus Transit Support

- **Commuter Shuttle:** Bus transportation facility between Statebank and the college campus for guest convenience
- **Scheduled Trips:** Two major pickup/drop trips during peak reporting and closing hours
- **Staff Coordination:** Dedicated transport support for visiting mentors and external guests

### 4. Venue & Utility Management

- **Essential Utilities:** Access to 4th-floor washroom facilities throughout the entire event duration
- **Branding Space:** Permission to utilize the lobby and common areas for sponsor displays and banners
- **Sanitation:** Institutional support for maintaining cleanliness and basic venue management during the hackathon

### 5. Institutional Strategic Support

- **Financial Backing:** Strategic support for approximately 50% of the estimated event expenditure
- **Administrative Liaison:** Assistance in ensuring smooth execution of hospitality and institutional requirements
- **Operational Support:** Contribution toward core infrastructure, logistics, and participant management

Singularity isn't just a hackathon; it's an innovation hub where industry meets the next generation of builders. We offer our partners direct access to top technical talent, product feedback loops, and massive digital visibility.

160+

Elite Developers

15k+

Digital Impressions

Full

Resume Access

Direct

Product Adoption

### The Sponsorship Matrix: Quick Comparison

| Benefit / Asset             | Title    | Platinum | Gold     | Silver   |
|-----------------------------|----------|----------|----------|----------|
| Amount                      | Rs. 75k+ | Rs. 50k+ | Rs. 35k+ | Rs. 20k+ |
| Keynote Speaking Slot       | ✓        | –        | –        | –        |
| Dedicated Challenge Track   | ✓        | ✓        | –        | –        |
| Full Resume Database Access | ✓        | ✓        | –        | –        |
| Technical Workshop Slot     | ✓        | ✓        | ✓        | –        |
| Premium Booth Presence      | ✓        | ✓        | ✓        | –        |
| Social Media Reach (Posts)  | 5+       | 4+       | 3+       | 2+       |
| Logo on Website & IDs       | ✓        | ✓        | ✓        | ✓        |

## The Visionary Partner (Title)

## Rs. 75,000+

- **Keynote Slot:** 15-minute speaking slot during the opening or closing ceremony
- **Custom Track:** Define your own problem statement and judge the outcomes
- **Recruitment:** Full access to all participant resumes and project GitHub links
- **Premium Presence:** Largest booth in the central coding arena with 24/7 access
- **Digital Dominance:** 5+ dedicated reels/posts and logo on every single digital asset
- **Visual Impact:** Logo on stage backdrop, entry arch, and all participant lanyards

*All-Inclusive: Inherits all benefits from the Platinum, Gold, and Silver partner tiers.*

## The Innovation Partner

Platinum Sponsor

Rs. 50,000+

- **Workshop:** Host a 45-minute technical deep-dive session
- **Challenge:** Sponsor a specific category prize (e.g., Best AI App)
- **Talent:** Curated list of top 25% performers with interview notes
- **Branding:** 4+ social posts and prominent logo on event banners
- **All-Inclusive:** Inherits all Gold & Silver tier benefits

## The Growth Partner

Gold Sponsor

Rs. 35,000+

- **Demo Desk:** Dedicated space in the networking lounge for product demos
- **Swag:** Include your branded goodies or vouchers in the hackathon kits
- **Reach:** 3+ social media shoutouts and logo on the official website
- **Engagement:** Mentor teams and showcase your tool's capabilities
- **All-Inclusive:** Inherits all Silver tier benefits

## Access Partner

Silver Sponsor

Rs. 20k+

- Logo on sponsor wall
- 2 Social posts
- Kit mentions

## Associate Support

Local Partner

Rs. 5k–15k

- Small logo on site
- Event mention
- Appreciation certificate

## In-Kind Partner

Service/Product Based

- Food/Credits/APIs
- Logo on website
- Direct ROI with devs

*All partners receive a detailed impact report and professional photography of their presence at the event.*