

A Presentation On



**SMART INDIA
HACKATHON '17**

World's Biggest Hackathon

Organized By

**AICTE, MHRD, MyGov, NASSCOM, UGC, i4c and
Persistent Systems**

<http://innovate.mygov.in/sih2017>

What is Hackathon

“ An event, typically lasting several days, in which a large number of people meet to engage in collaborative computer programming ”

History

- **Inclusive Innovations – 2013**

Innovations especially in areas of Healthcare & Medicine, Agriculture
Mechanical Engineering, Electrical Engineering, Energy and Water

- **India Innovation Initiative (i3) 2014**

Innovations shortlisted in 10 categories like Health, Water, Sanitation
Agriculture, IT, Education

- **Digital Pune Hackathon 2015**

Sustainable digital innovations for solving current challenges of
Pune city

Introduction

- Initiators

All India Council for Technical Education (AICTE) ,
Ministry of Human Resource Development, Govt. of India
MyGov, NASSCOM, UGC, i4c and Persistent Systems

- Aim

To create a model where energy and creativity of these youngsters would be used to develop innovative digital solutions

Theme

- Problem statements by 25+ Govt. ministries/institutions/departments.
- Around 600 Problem Statements
- Challenge for our students to develop innovative digital solutions
- Team Formation
- Evaluation of Idea – Novelty, Clarity, Complexity, feasibility, practicability, sustainability, scale of impact, and potential for future work progression.

Timeline

1. Announcement of Smart India Hackathon 2017
2. Identification of Pan India Centers
3. Publishing problem statements on website
4. Mega announcement of event via print media
5. Deadline for Idea submission
6. Extended Deadline for submission
7. 1st Level scrutiny & short listing
8. 2nd Level scrutiny & short listing
9. Announcement of selected teams
10. Finalizing technology stack per team
11. Smart India Hackathon Finale

Government Agencies

Govt Agency	Problem Statements	Govt Agency	Problem Statements
Airport Authority of India	43	Department of Science & Technology	9
All India Council for Technical Education	15	Indian Council of Medical Research (ICMR)	28
Department of Atomic Energy	16	Indian Space Research Organisation (ISRO)	53
Department of Biotechnology	17	Ministry of AYUSH	15
Department of Chemicals and Petrochemicals	3	Ministry of Development of North Eastern Region (DoNER)	11
Department of Defense Production	29	Ministry of Earth Sciences	30
Department of Empowerment of Persons with Disabilities	7	Ministry of Electronics & Information Technology (MEITY)	21
Department of Industrial Policy and Promotion	8	Ministry of External Affairs	18
Department of Posts	11	Ministry of Food Processing	15
Department of Rural Development (DRD)	25	Ministry of Environment, Forests & Climate Change	28

Sample Problem Statements

Department of Atomic Energy

- Personal radiation dosage calculator
- Digital Public Outreach Platform For Nuclear Energy
- Head Counter
- Machine learning based control strategy development for plant status monitoring and detection of OFF-Normal conditions
- Personnel Identification System
- Software for Face Recognition out of CCTV footages
- Cyber Attacks Threat Map
- Need of a software for Radiation dose monitoring
- Blood bank App
- Vulnerability analysis in 64-bit Linux binaries

Team Formation

- A maximum of 3 teams per institute can participate.
- All team members should be from same college
- Each team would comprise of 6 members with at least 1 female member. An all-female team is perfect too! And two mentors
- All members **MUST** be well versed with programming skills.

Appreciation

- 1st prize Rs.1,00,000/-
- 1st runner up Rs.75,000/-
- 2nd runner up Rs.50,000/-

Intellectual Property Right

Intellectual property (IP) of the idea would belong to the institute and the team members jointly.

Team members will make their product available free for the government institution for which they are working.

Submission Template

Ministry Category :
Problem Statement :
Team Leader Name :

Problem Code
College Code :

Describe your idea / Solution / Prototype here

Describe your Technology stack here

Idea / Approach details

Describe your Use Case here

Describe your Dependencies / Show stopper here

Way Ahead

Description	Timeline
Awareness for TE & BE Students – Comp & Electrical	Tue 10 th January 2017
Awareness for TE & BE Students – IT & E&TC	Wed 11 th January 2017
Awareness for TE & BE Students – Mech & Civil	Thu 12 th January 2017
Identify mentors and problem statements	
Online Registration Opens	Tue 10 th January 2017
Online Registration Closes	Sat 14 th January 2017
Special Training from IIT Bombay	Mon 16 th January 2017
Scrutiny and Final Selection of Teams at VPKBIET	Tue 18 th January 2017

Coordinators - SPOC

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Thank You !!