



नव उज्ज्वल e-innovation Hackathon



SIEMENS

Introduction

Model Club, BIT Sindri is organizing an e-hackathon from 4th of August to 6th August, 2020. With COVID-19 creating a global crisis with gloom and doom trying to creep into our lives, mankind waits with a bated breath for the scent of rejuvenation and the freshness of creativity. "Nav Ujjwal e-innovation Hackathon" is an attempt in the direction to rekindle the flame of innovation and to present the cognizant minds of the nation with an opportunity to probe into some of the intricate real-life problems and to come up with their new-fangled solutions.

MODEL CLUB PRESENTS

NAV UJJWAL E-INNOVATION HACKATHON

IN ASSOCIATION WITH **SIEMENS** CENTRE OF EXCELLENCE

POWERED BY **eventornado**

EVENT DATE
AUGUST 04th-06th

DECLARATION OF RESULT
AUGUST 09th

REGISTRATION OPEN
JULY 16th-28th

REGISTRATION
QR CODE

WIN EXCITING PRIZES
GOODIES AND E-CERTIFICATES

REGISTER AT:
[HTTP://E-HACKATHON.MODELCLUBBIT.COM/INDEX.HTML](http://e-hackathon.modelclubbit.com/index.html)

FREE REGISTRATION

CONTACT US:

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Model Club(<https://modelclubbit.com/>) is an attempt to manifest the technical mind set, personality development and success stories of this Premier Technical Institution of Jharkhand. This club is the only technical club established by the BIT administration in 1976 for conducting technical activities for the young technocrats of our college. After its establishment, in early seventies this club is on the way to scaling new heights every year continuously by organizing various technical events. Now this organization is getting greater heights under the subtle guidance of our Patron, Honourable Director sir Prof (Dr.) D.K Singh and Professor In-charge, Dr. R.P. Gupta.



OUR PATRON

Prof. (Dr.) D.K. Singh
Director, B.I.T Sindri



OUR PROFESSOR IN-CHARGE

Dr. R.P. Gupta
Professor In-Charge, Model Club

Event Participation and involvement

This event has got the association of Siemens, COE, B.I.T Sindri and is powered by a European Problem-solving Platform Company “Event Tornado”.

The registration for this hackathon started on 16th of July and last date was 28th of July 2020. This event got a great participation of around 514 Registrations (Teams -181) from various premier institute of India.

The Institutes such as IIT Roorkee, IIT Kharagpur, IIT Bhilai, IIM Ahmedabad, IIM Ranchi, IIM Bangalore, NIT Patna, NIT Raipur, NIT Rourkela, Jadavpur University, IIIT Ranchi, IITU BHU, IIM Indore, BIT Mesra, IIIT Bhopal etc is going to take part in this event.

About 80 Participants from BIT Sindri will be competing with these Premier institutes. This will be surely a healthy competition for all the students.

Timeline for the Event(<https://www.facebook.com/modelclubbit/>)



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PRESENTS



**REGISTRATION AND
ABSTRACT SUBMISSION**
(16 - 28TH JULY, 2020)



**ROUND 2:
REVOLUTION ROUND**
(5TH AUGUST, 2020)

results

**ABSTRACT
SUBMISSION RESULT**
(2ND AUGUST, 2020)



**ROUND 3:
D-DAY ROUND**
(6TH AUGUST, 2020)



**ROUND 1:
BRIDGE ROUND**
(4TH AUGUST, 2020)



**RESULT
DECLARATION**
(9TH AUGUST, 2020)

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e-innovation
Hackathon

IN ASSOCIATION WITH

SIEMENS
CENTRE OF EXCELLENCE



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modelclubbit



www.modelclubbit.com



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About the Problem Statements (Innovation Challenges)

#ENCOUNTER_THE_PROBLEM



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Each year there are approximately 8 million tonnes of plastic that enter the oceans, which is equivalent to emptying a garbage truck full of plastic into the oceans, every minute !

#ENCOUNTER_THE_PROBLEM



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According to the National Commission for Safai Karamcharis, a manual scavenger dies every five days in a sewer, septic tank or a manhole.

PROBLEM STATEMENTS

1. Save the Planet

I. Dry and Wet waste management II. Plastic pollution in oceans III. Groundwater contamination IV. Excessive use of electronic signal equipment affects the life of birds, animals, and humans.

2. COVID-19

I. Chemical-free, non-toxic sanitization solutions II. Non-contact and efficient delivery solutions III. Social distancing instruments - Educational Institutes Reopen IV. Rectify the problem of vapor formation on the spectacles while wearing the mask

3. IoT based Industrial Problems

I. Drone /Robot-based system for cleaning railway tracks II. Road traffic management III. The solution to water wastage IV. Road accident prevention

4. Being Human

I. Human scavenging of potholes II. Technology to help vulnerable sex workers to save themselves from sexually transmitted diseases. III. Ease of accessibility and the management of the water in villages IV. Technology to monitor the friendly interaction between humans and animals in zoos

5. Welfare via Augmented Reality

I. Educational Solutions for better understanding II. Application in Defence Industries and factories III. Applied for the benefit of disabled people. IV. Miscellaneous problems

6. Differently-abled People

I. Social distancing measures. II. Exams and Education III. Sanitation measures IV. Miscellaneous problems

7. Public Health and Sex Education

I. Monitoring mental and physical health II. Technology to help women with birth spacing III. Managing the massive volumes of patient-related data IV. Disposal Sanitary pads

8. Agriculture and Food Security

I. Live to monitor crops and soil health II. Alert farmers of the outbreak of pests and diseases. III. Accurate weather information for optimizing irrigation IV. Improving data collection processes to address issues of food security.

9. Disaster and Hazard Management

I. Flood Management II. Earthquake Management III. Problems related to building constructions IV. Chemical factories disaster management

10. Nav Ujjwal Bharat Innovation

“The only way to discover the limits of the possible is to go beyond them into the impossible” – Arthur C. Clarke

To innovate, all one needs is to observe. Look around; you'll see millions of problems the country faces. The first step to solve is to find the underlying issues. This domain is all about thinking outside the box and solving the issues the country faces that have been overlooked by the organizers of the Hackathon. The participants can highlight any specific problem observed in our country or around the globe and give their developed technological/applied science solutions.

Jury (The Judgement Panel): Our Esteemed Professors, and Industry Expert.

Model Club is extremely proud to announce the judges for the National Level Event “Nav Ujjwal e-innovation Hackathon”.

The various Professors , Assistant Professors from the department of **CSE&IT , ECE, MECHANICAL ENGINEERING, ELECTRICAL ENGINEERING** along with the Industry Experts from the companies such as **BASF, SAP, AMAZON, HAL, Boeing Aeroplane , CIL, GOOGLE, L&T, SAIL, DRDO, ISRO, INFOSYS, HCL, Yamaha ,TATA MOTORS, IBM, Flipkart, Uber** etc. will be judging the event.

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PRESENTS
NAV UJJWAL E-INNOVATION HACKATHON | **JUDGE UNVEIL**
August 4-6

Mr. Shubham Kumar
Manager at Flipkart

Mr. Manoj Singh
DGM, HAL

Mr. Gaurav Sen
SDE, UBER

Mr. V. Akshay Bhardwaj
Mahindra War Room Finalist
IIM Ranchi Finance & Operation

Mr. Suman Ranjan
Assistant Professor
Electrical Engineering Department

Mr. Rakesh Roshan
Assistant Professor
Electrical Engineering Department

Mr. Akash Vaibhaw
Design Engineer, ST Microelectronics

Mr. Roshan Kumar
Assistant Manager
CIL

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August 4-6

Prof. (Dr.) Sanjay Kumar Singh
Head of Mechanical
Engineering Department

Mr. Kumar Ankit
Senior Technical Program Manager
Amazon Prime

Mr. S.K. Singh
Scientist, DRDO

Mr. Bal Krishna Baranwal
Delivery Head
Indian Business Operations, ICI

Mr. Prabhat Kumar Singh
Senior Developer at SAP
Co- founder of MLTag

Mr. Abhishek Chandra
SMT Project Management at
HCL Technologies

Ms. Niharika
Assistant Professor
Electrical Engineering Department

Mr. Avinash Pathak
SBM NMIMS Mumbai'22, Ex-L&T

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JUDGE UNVEIL
 August
 4-6


Mr. Vivek Gupta
 Software Engineer Google


Mr. Vinay Singh
 BASF, Ex- SAP
 Speaker


Dr. S.C. Dutta
 Head of Computer Science and Engineering Department


Mr. Ashwini Kumar
 SDE, Amazon


Mr. Dinesh Prabhakar
 Assistant Professor of Information Technology Department


Mr. Kaushal Prasad Nayak
 Full Stack Developer
 Boeing Aeroplane Company


Mr. Sanket Shikhar
 Vice President
 DATA TRAINED


Mr. Gaurav Singh
 Assistant Manager at
 Steel Authority of India Limited

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JUDGE UNVEIL
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 4-6


Mr. Arun Mandal
 Physical Design Engineer
 Synapse Design Inc.


Prof. Intiyaz Ahmed
 Head of Electronics & Communication Engineering Department


Mr. Ravi Singh Choudhary
 Director
 Sampurn Krishi Utthan Foundation


Dr. Nagesh
 SRF at Semiconductor Laboratories
 ISRO PhD from IIM


Mr. Rahul Shrivastava
 Senior Consultant
 Infosys Consulting


Mr. Anuj Pandey
 Assistant Professor
 Electrical Engineering Department


Mrs. pooja Sharma
 Assistant Professor
 Information Technology Engineering Department

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 4-6


Ms. Mansi Priya
 Data Scientist
 Yamaha Motors Solutions Pvt. Ltd.


Mr. Adarsh Kumar
 UPE3 ,Dehradun-Professor


Mr. Ashutosh Kumar
 Chief Executive Officer
 Asian Oilfield Services Limited


Mr. Ravindra Shah
 GM, Tata Motors


Mr. Amar Prabash Sinha
 Associate Professor
 Electronics & Communication Engineering Department


Mr. Arvind Kumar
 Assistant Professor
 Electronics & Communication Engineering Department


Mrs. Rupali Sharma
 Assistant Professor
 Information Technology Engineering Department

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 4-6


Mr. Dhawal Thacker
 Ex-L&T Engineer


Mr. Avinash kumar Sinha
 Senior Project Manager, Infosys


Mr. Manjeet Kumar
 Sr. Associate HR at Hero FinCorp


Dr. Sudhir Kumar Kashyap
 Senior Principal Scientist at CSIR


Mr. Praveen Kumar
 Assistant Professor
 Electrical Engineering Department


Dr. Amit Kumar Choudhary
 Assistant Professor
 Electrical Engineering Department


Mr. Tapan Nayak
 Assistant Professor
 Computer Science and Engineering Department

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