



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

FOUNDER CHANCELLOR
Dr. Patangrao Kadam
M.A., LL. B., Ph. D.

Accredited by NAAC With 'A' Grade
Approved by AICTE, New Delhi & Affiliated to Shivaji University, Kolhapur
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PRINCIPAL
Dr. Vijay Ghorpade
M.E., Ph. D. (Computer)

NAAC SSR CYCLE- 2



Criterion 3	Research, Innovations and Extension
Key Indicator 3.2	Innovation Ecosystem
3.2.1 Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, Establishment cell, Incubation centre, and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident.	

Smart India Hackathon 2022

- **Organizing Department:** Bharati Vidyapeeth's College of Engineering, Kolhapur
- **Name of Activity:** "Smart India Hackathon 2022"
- **Name of Coordinator:** Mr. A. A. Desai
- **Date of Activity:** 1 March 2022 to 31 March 2022
- **Participants:** All Final Year B. Tech Engineering Students
- **Details of Activity:**

This hackathon was conducted by the BVCOE, Kolhapur to encourage the students and drive the spirit of Competitive Programming among other Computer enthusiasts and also hardware on 26 th March 2022. All the students of T.Y. B.TECH and Final Year B.Tech were given time to develop and demonstrate their Project/Model, and the model developed is evaluated by jury members. There were two main rounds of evaluation. First round is held at department level round and nominated teams selected for final inter departmental round and finally 4 teams are nominated for SIH 2022. The 4 jury members evaluated all the teams works.

There are total 9 teams participated in the internal hackathon from various departments in the software and hardware categories out of which 5 top teams are nominated for the SIH2022.

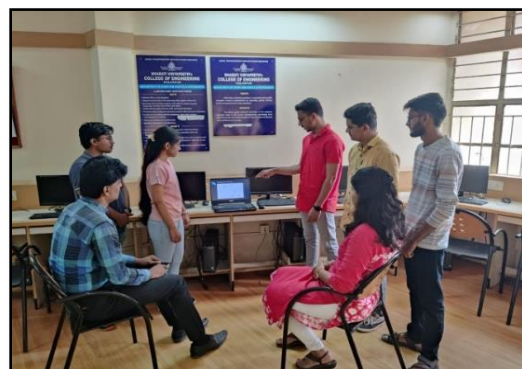
- **Objective of Activity:**

To provide a platform to Students to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving.

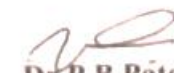
- **Outcome of Activity:**

- 1.Harness the creativity and expertise of the students
2. Build a funnel for 'Start up India' campaign
- 3.Crowd source solutions for improving governance and quality of life

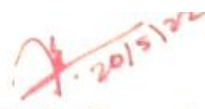
Photo:




Mr. A. A. Desai
SIH SPC


Dr. P. B. Patole
IIC Coordinator


Dr. S. S. Pawar
IIC Conveyor


Dr. V. R. Ghorpade
Principal



BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR.

Smart India Internal Hackathon Hackathon Report-2022

ABOUT SIH2022:

Smart India Hackathon 2022 is a nationwide initiative to provide students a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving. Talented youngsters from all over the country offer out-of-the-box solutions to problems. In SIH 2022, the students will have the opportunity to work on challenges faced within various Ministries, Departments, Industries, PSUs and NGOs, to create world class solutions for some of the top organizations, including world industries, thus helping the Private sector hire the best minds from across the nation. For nominating the finalized 4 teams from software edition and Hardware Edition, BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR, conducted Internal Hackathon.

Internal Hackathon:

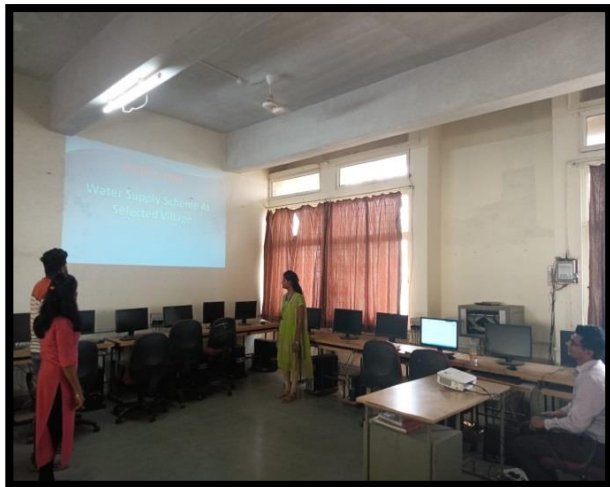
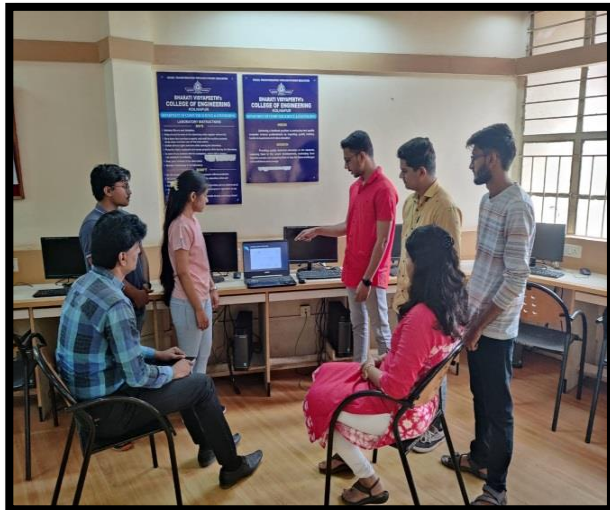
This hackathon was conducted by the BVCOE, Kolhapur to encourage the students and drive the spirit of Competitive Programming among other Computer enthusiasts and also hardware on 26th March 2022. All the students of T.Y. B.TECH and Final Year B.Tech were given time to develop and demonstrate their Project/Model, and the model developed is evaluated by jury members. There were two main rounds of evaluation. First round is held at department level round and nominated teams selected for final inter departmental round and finally 4 teams are nominated for SIH 2022. The 4 jury members evaluated all the teams works.

Students selecting the problem statement from below mention segments given by SIH website.

Problem Sectors Segment:

- Agriculture, foodtech and Rural Development
- Smart Automation
- Blockchain and cyber security
- Clean and green technology
- Robotics and Drones
- Healthcare and Biomedical Devices
- Renewable Energy
- Smart Vehicles
- Waste Management
- Miscellaneous
- Smart Vehicles
- Waste Management
- Food Processing
- Miscellaneous

Photos of the event organized:







Judging Process:

SELECTION CRITERIA FOR GRAND FINALE OF SIH 2022

1. Evaluation criteria will include novelty of idea, complexity, clarity and details in prescribed format, feasibility, practicability, sustainability, scale of impact, user experience and potential for future work progression.
 - Does the project have a clear objective?
 - Is the objective relevant to the potential user's needs?
 - Is the solution workable? Acceptable to the potential user? Economically feasible?
 - Could the solution be utilized successfully in design or construction of an end product?
 - Is the solution a significant improvement over previous alternatives?
2. While selecting between 2 similar ideas, preference will be given to the team with maximum number of female members.
3. In event of a tie, the decision of the creator of the problem (ministry or organization) will be final.

Jury/ judges photos and details:

Evaluator name	Designation	Department	Mail I.D.	Contact no	Photo
Dr. S. S. Powar	Assistant Professor	E & TC Engg.	Sanjay.s.pawar@bharatividya peeth.edu	<u>7755900888</u>	
Dr. Rahul P Mirajkar	Assistant Professor	Computer	rahul.mirajkar@bharatividya peeth.edu	<u>9890098952</u>	
Dr. P. B. Patole	Assistant Professor	Mechanical	pralhad.b.patole@bharatividya peeth.edu	<u>7755900251</u>	

Mr. Mayur M More	Assistant Professor	Civil	mayor.more@bharatividya.eth.edu	<u>9975762992</u>	
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Teams Participating in the Internal Hackathon:

Sr. No.	Team Name	Students Name	Gender	Stream	Problem Statement
1	Team Yuva	Swapnil vasant kadam	Male	E&TC	Use of Digital Technology in addressing Non-Revenue Water (NRW)
		Aishwarya Bajirao Sutar	Female	E&TC	
		Pratiksha vijay naik	Female	E&TC	
		Milind topanna Sambrekar	Male	E&TC	
		Snehal Ananda Gurav	Female	E&TC	
		Dipali Vijay Bharmal	Female	E&TC	
		Swapnil vasant kadam	Male	E&TC	
2	Team Achiever	Tejashri Sadashiv Khot	Female	E&TC	
		Omkar Chandrashekhar Bandekar	Male	E&TC	
		Prajakta Ramchandra Desai	Female	E&TC	
		Vishal Dilip Patil	Male	E&TC	
		Tejaswini Arjun Patil	Female	E&TC	
		Shekhar Sambhaji Yadav	Male	E&TC	
3	Team Dreamer	Vaibhavi P Mali	Female	E&TC	
		Pratima S Vhatkar	Female	E&TC	
		Arpita R Patil	Female	E&TC	
		Amit A Patil	Male	E&TC	
		Harshal S Chavan	Male	E&TC	
		Prathmesh R Jadhav	Male	E&TC	
4	Team Bharati Experts	Patil Rutuja Krishnat	Female	Civil	
		Pawar Ashitosh Eknath	Male	Civil	
		Desai Prashant Hambirrao	Male	Civil	
		Gavate Sourabh Dasharath	Male	Civil	
		Mohite Sneha Sanjay	Female	Civil	
5	Team Bharati Giants	Hirugade Rhunali Vilas	Female	Civil	
		Jagadale Ruchita Rajesh	Female	Civil	
		Kurhade Snehal Alias Anuradha Sanjay	Female	Civil	

		Shinde Sourabh Sardar	Male	Civil	
		Londhe Gandhar Dhondiba	Male	Civil	
		Patil Amey Haribhau	Male	Civil	
6	Team Eagle	Gayakawad Prakash	Male	Mech	Student Innovation
		Chougule Sujit	Male	Mech	
		Chougale Vishwanath	Male	Mech	
		Torgal Sohel	Male	Mech	
		Jadhav Omakar	Male	Mech	
		Rajugade Rutuja	Female	Mech	
7	Team Pheonix	Bhore Aishwarya Shahaji	Female	CSE	AI Based Chatbot to answer FAQs
		Gavali Vaishnavi Prashant	Female	CSE	
		Gondhali Akshata Uday	Female	CSE	
		Hajare Susmita Gangaram	Female	CSE	
		Hodage Vedika Padmakar	Female	CSE	
8	Team Alpha	Patil Vaishnavi Rajaram	Female	CSE	Real time tracking of students learning's outcomes and their academic progress across schools.
		Kulkarni Shrinivas Arun	Male	CSE	
		Kulkarni Varad Santosh	Male	CSE	
		More Pravin Sanjay	Male	CSE	
		Patel Harsh Jagdish	Male	CSE	
9	Team Beta	Aswale Divya Mohan	Female	CSE	Real time tracking of students learning's outcomes and their academic progress across schools.
		Belapurkar Unnati Prashant	Female	CSE	
		Bhosale Rohan Balasaheb	Male	CSE	
		Patil Pratiksha Ravindrakumar	Female	CSE	
		Raut Pranoti Krishnat	Female	CSE	

There are total 9 teams participated in the internal hackathon from various departments in the software and hardware categories out of which 5 top teams are nominated for the SIH2022.

Nominated Top Teams:

Sr. No	Team Name	Team Leader	Gender	Stream	PS No
1	Team Dreamer	Vaibhavi P Mali	Female	E&TC	BV799
2	Team Pheonix	Gavali Vaishnavi Prashant	Female	CSE	DR702
3	Team Alpha	Kulkarni Shrinivas Arun	Male	CSE	OS872
4	Team Bharati Experts	Patil Rutuja Krishnat	Female	Civil	
5	Team Eagle	Gayakawad Prakash	Male	Mech	SM960

Social Media Promotion :

https://m.facebook.com/story.php?story_fbid=698839384790923&id=107214260620108



This internal SIH 2022 can help to:

- Harness the creativity and expertise of the students
- Spark institute-level hackathons
- Build a funnel for 'Start up India' campaign
- Crowd source solutions for improving governance and quality of life
- Provide opportunity to citizens to provide innovative solutions to India's daunting problems.



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PRINCIPAL
Dr. Vijay Ghorpade
M.E., Ph. D. (Computer)

Ref. No. BV/COEK/469/2021-2022

Date : 24/03/2022

Sub: Smart India Hackathon 2022 – Nomination

I am pleased to nominate the below team from our college to participate in Smart India Hackathon 2022. AICTE Application No/ UGC Registration No for our college is 1-9321833305.

Team: <Team Dreamer>

	Name	Gender (M/F)	Email id	Mobile no.	Stream	Year
Team Leader	Ms. Vaibhavi Prakash Mali	F	vaibhavimali2819@gmail.com	9172953191	E&TC	2021-22
Team Member	Ms. Pratima Sanjay Vhatkar	F	Pratima.vhatkar892000@gmail.com	9112295337	E&TC	2021-22
Team Member	Ms. Arpita Rangrao Patil	F	arpitapatil5825@gmail.com	7030110548	E&TC	2021-22
Team Member	Mr. Amit Arun Patil	M	Amitpatil792000@gmail.com	7887958672	E&TC	2021-22
Team Member	Mr. Harshal Sameer Chavan	M	harshalchavan1710@gmail.com	8600187137	E&TC	2021-22
Team Member	Mr. Prathmesh Rajendra Jadhav	M	jadhavprathmesh2694@gmail.com	8625903908	E&TC	2021-22
Mentor	Dr. K.R. Desai	M	krdesai2013@gmail.com	7083968282		

Sincerely,

Dr. V.R. Ghorpade
Principal
BHARATI VIDYAPEETH'S
COLLEGE OF ENGINEERING
KOLHAPUR



Problem Statement Info ×

Idea Title	Template
Use of	View file
Problem Statement ID	BV799 122
Problem Statement Title	Use of Digital Technology in addressing Non-Revenue Water (NRW)
Description	With ever-increasing urban population growth and expanding area coverage, many water utilities in India struggling to provide clean drinking water to their consumers. Water supply issues are related to sources and usage of raw water; intermittent water supply and the quality of tap water at the consumers' end. One of the major challenge facing is the high level of water loss in distribution networks. "Non-Revenue Water" (NRW) is defined as the difference between the amount of water put into the distribution

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