

Smart India Hackathon 2020

Software edition

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INTRODUCTION

Introduction to SIH 2020

The world's largest open innovation model was organized from August 1 to August 3 2020. Smart India Hackathon is a nationwide initiative to provide students with 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. The first three editions SIH2017, SIH2018 and SIH2019 proved to be extremely successful in promoting out-of-the-box thinking in young minds, especially engineering students from across India.

However, SIH 2020 had hit a wall because of the COVID-19 situation. Which is where the experience of the InnovatioCuris (IC) team was handy. IC had already conducted two large hackathons, Ideathon and Samadhan for COVID-19 solutions and had a deep understanding of the processes involved in a virtual event.

Stakeholders Involved

40

Nodal Center (NCs)

66

Problem statement owners (PSOs)

1126

Evaluators

1001

Teams

(10000+ students)

Organisations Involved



Ministry of Education



i4C



InnovatioCuris



Architecture

Identified Risks



Data Inconsistency



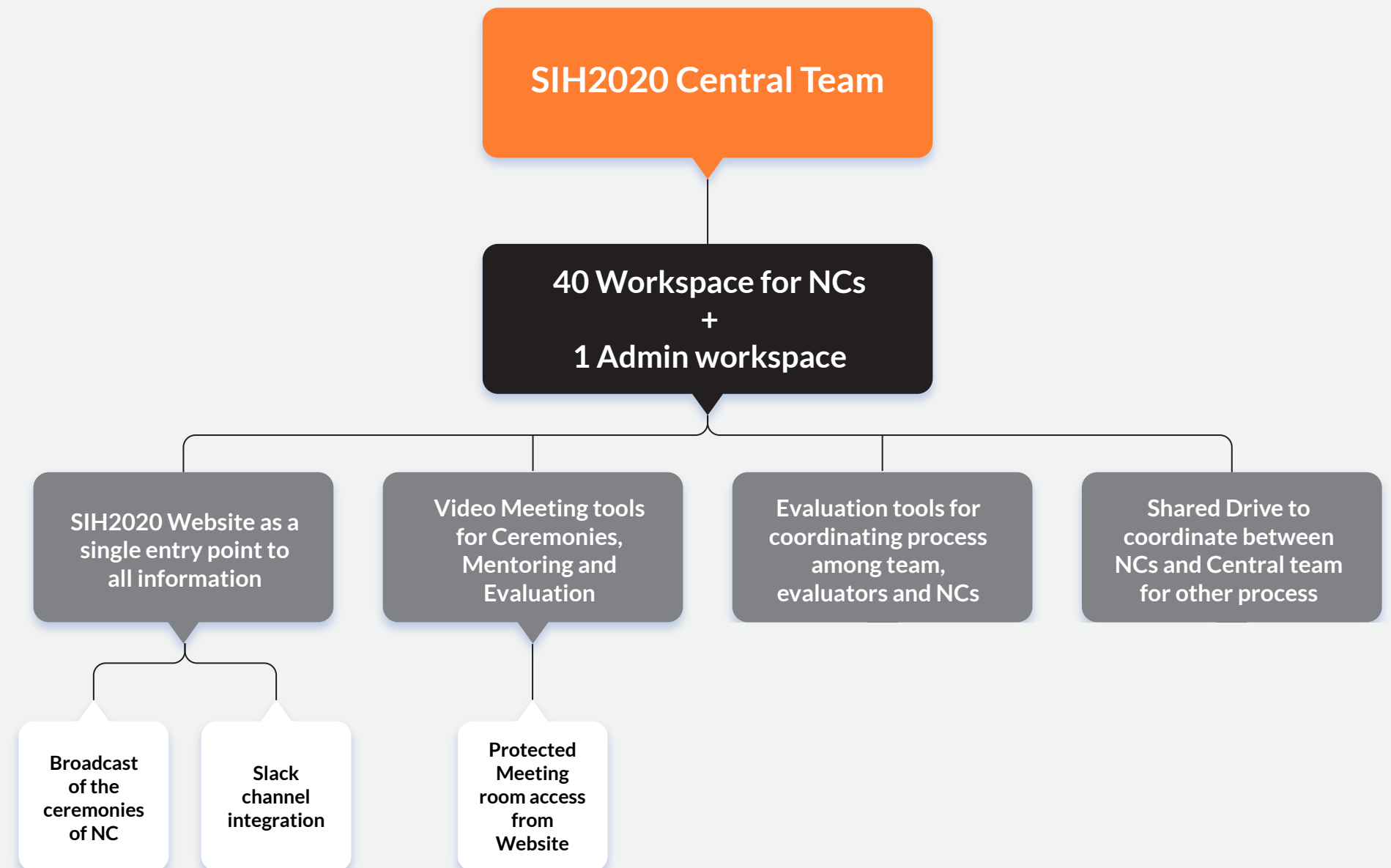
Lack of trained manpower



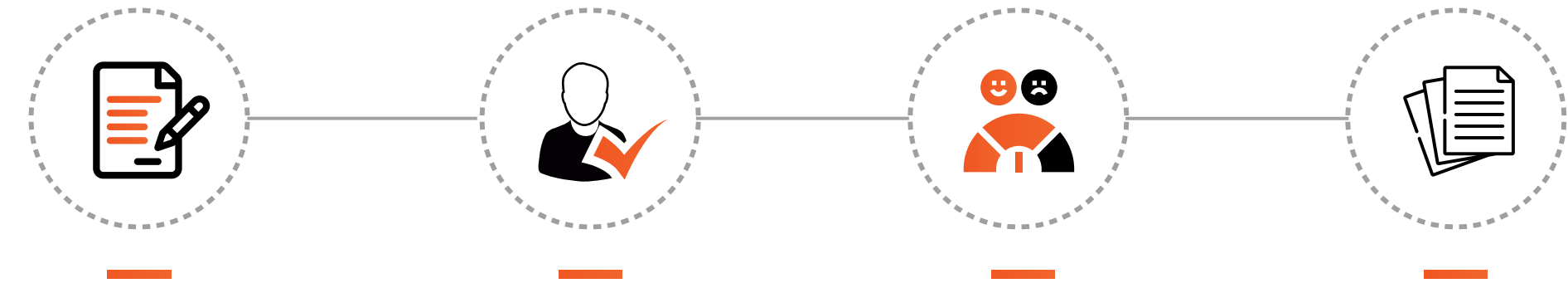
Internet connection



Cyber Attacks



SIH Processes



Registration

Google form by NC
Communication with all
NC Slack workspace

Participants Attendance

Links provided by SIH team
Evaluation Coordination
public channels in slack

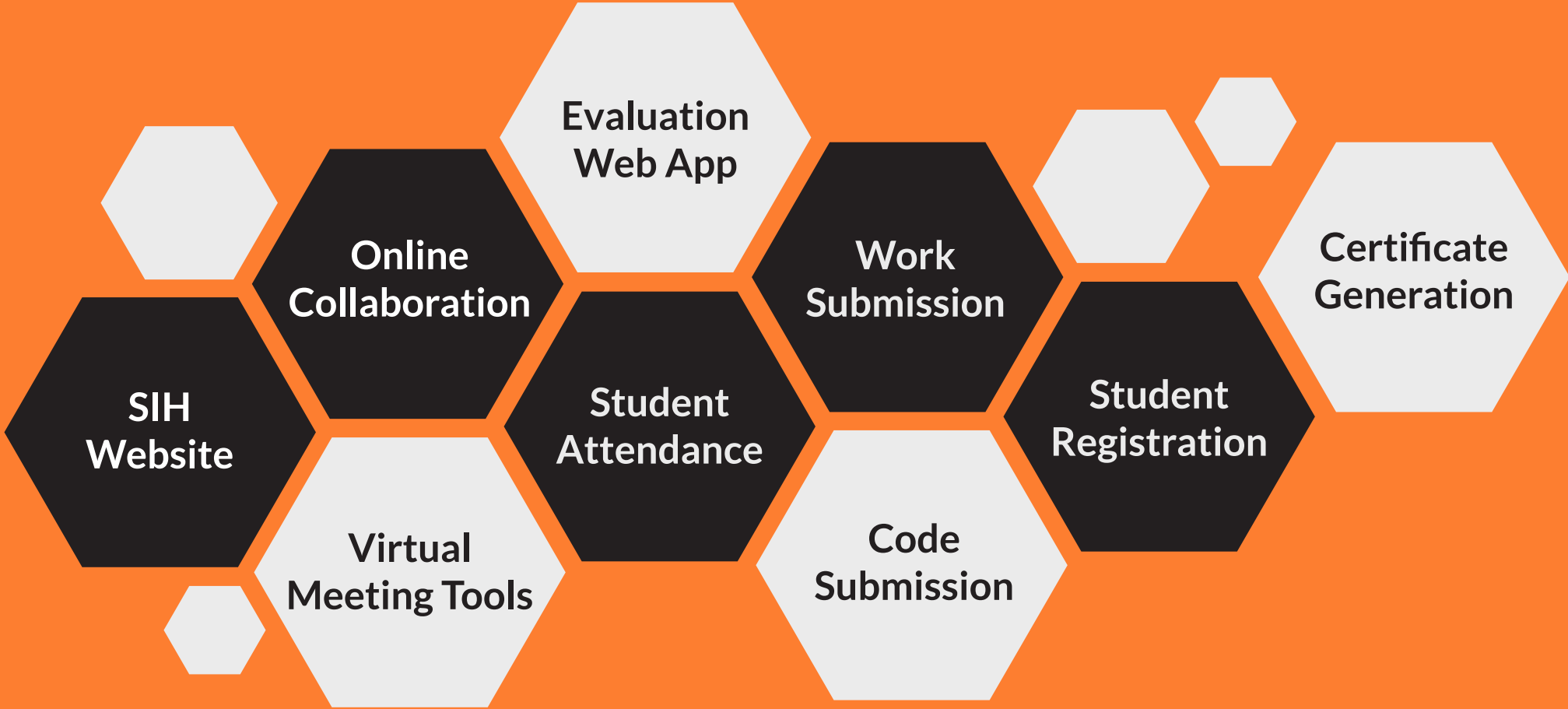
Evaluation Meeting

Online meeting rooms provided
by the Nodal Centers
Evaluation Scoring
SIH provided Portal

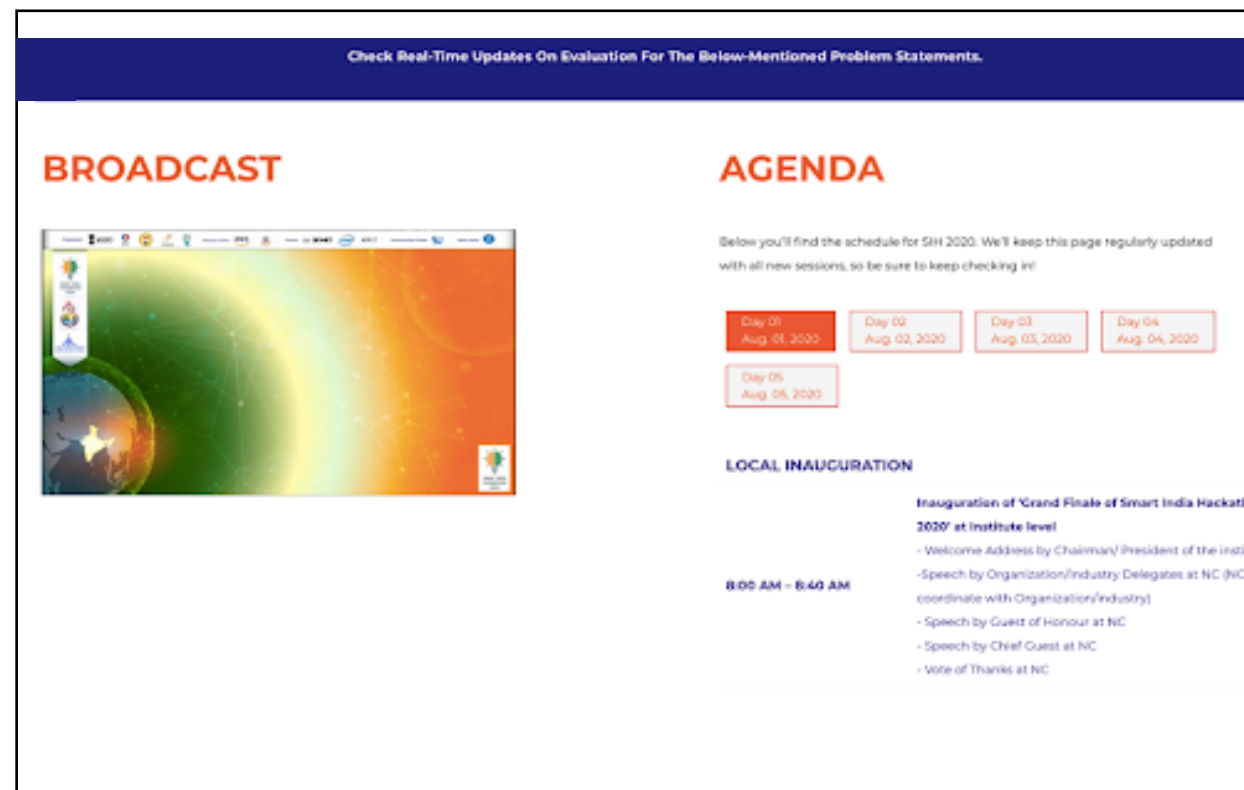
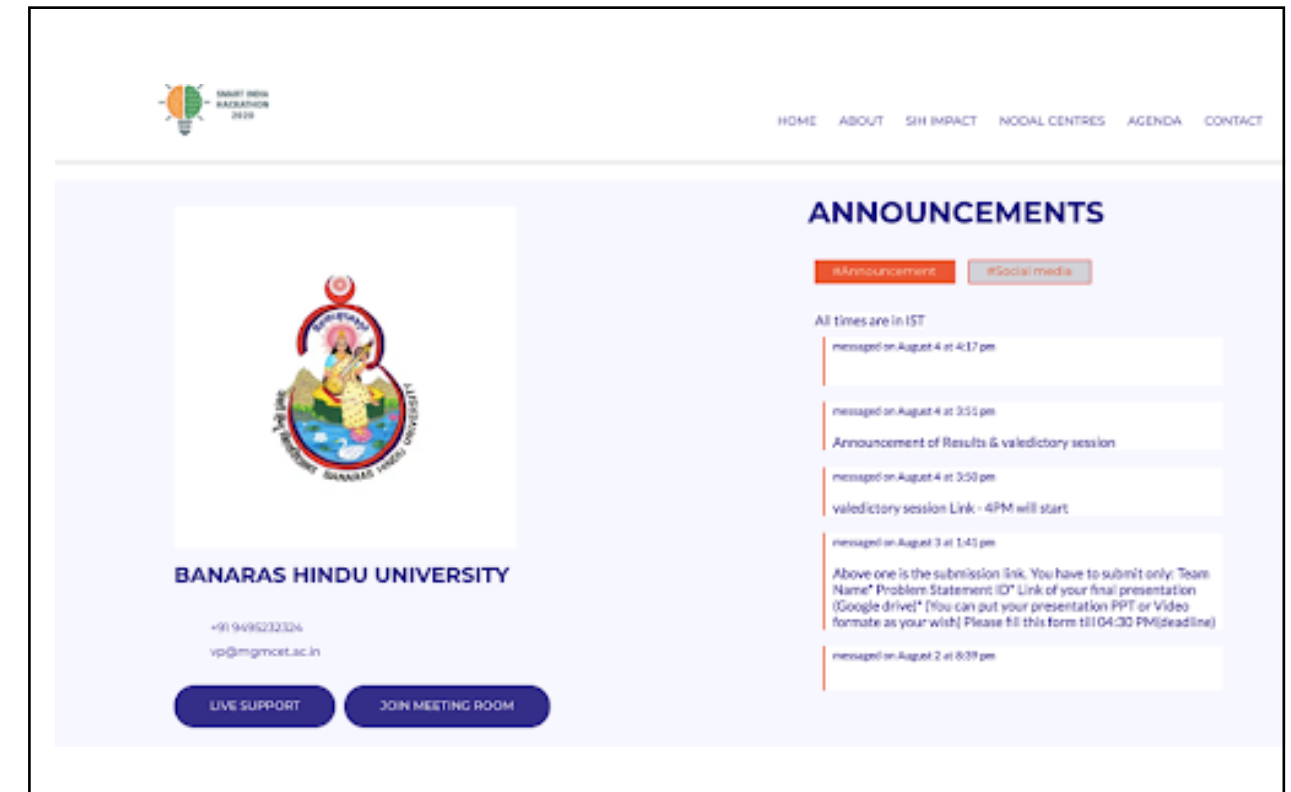
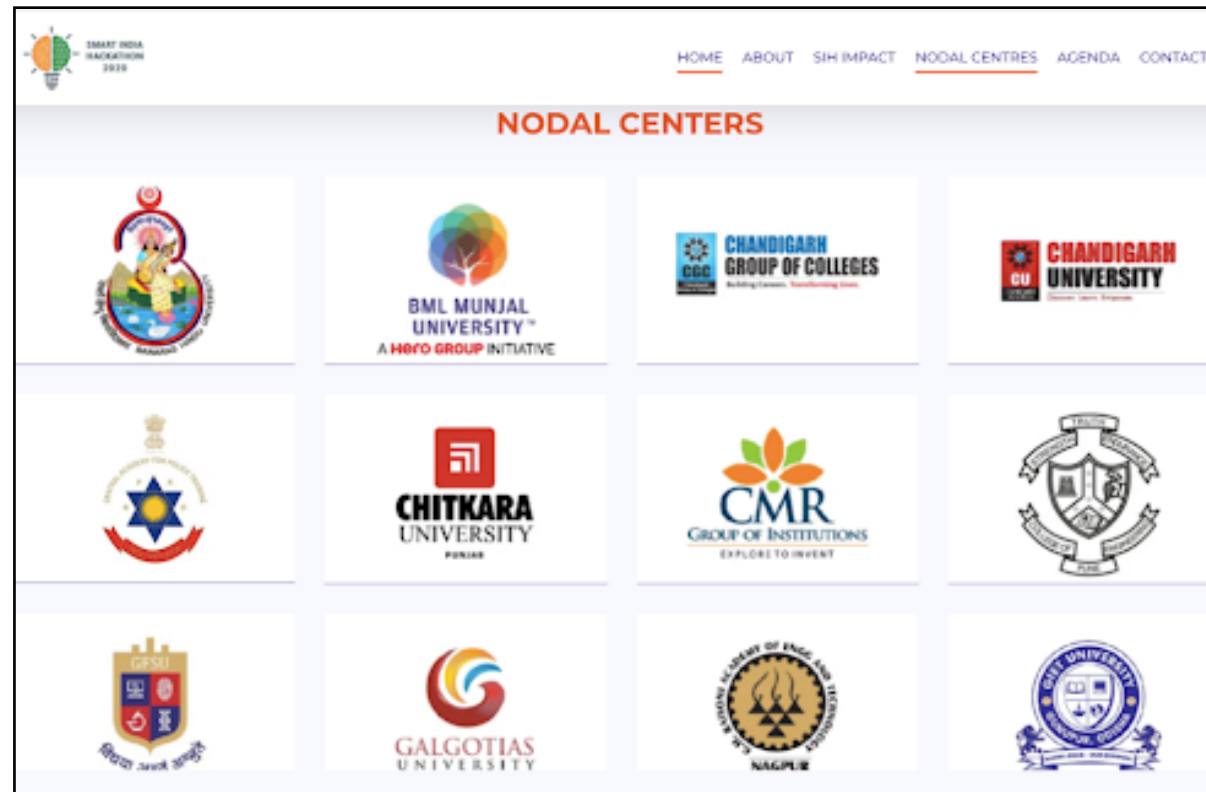
Student work Submission

Links provided by SIH team Opening/
Valedictory
Ceremony Meeting tools of the choice
of the NC, broadcast on Youtube

Technical Building Blocks



SIH website



Online Collaboration (Slack)

The screenshot displays a Slack interface for a workspace named 'MIT_SIH2020'. The current channel is '#ak211_beml_limited'. The left sidebar shows navigation options like 'Get started', 'Mentions & reactions', and a list of channels, with '#ak211_beml_limited' selected. The main chat area shows a conversation where 'Admin_SPOC_Sucheta_MIT' asks for shortened links and names for meeting links. A pinned message provides a Microsoft Teams link for an AK211 mentoring session. The right sidebar shows a list of 24 members in the channel.

MIT_SIH2020 | Sachin Gaur

#ak211_beml_limited | 24 | 2

Get started
Next: Add a profile photo

- Mentions & reactions
- People & user groups
- Apps
- File browser
- Show less

Channels

- # announcements
- # ask_me_anything
- # mu455_bharat_electronics_li...
- # social_media
- # ak211_beml_limited**
- # nh447_ncr_corporation_india...
- # mu456_bharat_electronics_li...
- # ak210_beml_limited
- + Add a channel

Direct messages

- Slackbot** (4)
- Admin_Sachin_IC (you)
- + Invite people

Message 1: Admin_SPOC_Sucheta_MIT 9:34 PM Yesterday
Mam pls shorten then link and put
U can delete this mesg
Give names to meeting links so that all will understand

Message 2: Admin_Rajashree_MIT 9:34 PM
ok

Pinned by Admin_SPOC_Sucheta_MIT
AK211 mentoring session link for first day (Aug 1st) : <https://tinyurl.com/mentoring-AK211>

Microsoft Teams
Join conversation (3 kB)

is it fine

Message 3: Admin_SPOC_Sucheta_MIT 9:37 PM
Yes mam 👍

Message 4: Admin_Shubb_MIT 9:40 PM
was added to #ak211_beml_limited by Admin_Rajashree_MIT, along with Admin_Rajlee_MIT.

Message 5: Admin_SPOC_Sucheta_MIT 9:43 PM
@Admin_Rajashree_MIT Ok Mam. 😊

Message 6: Admin_Rajashree_MIT 9:45 PM
👍

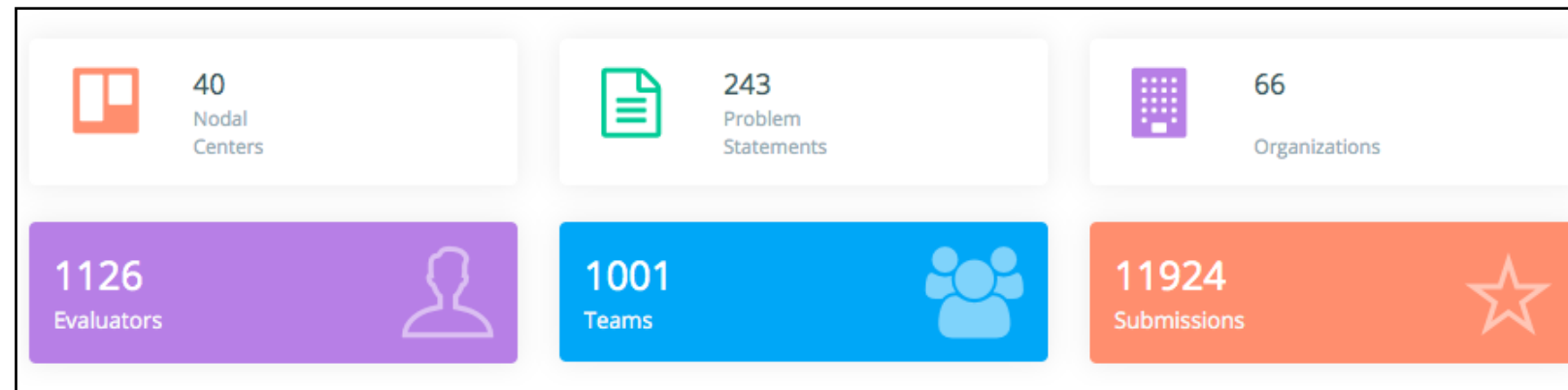
You are viewing #ak211_beml_limited

Details #ak211_beml_limited

- Admin_Alok_IC ●
- Admin_Parthvee_IC ●
- AK211_Reka_Worryless ●
- Admin_SPOC_Sucheta_MIT ●
- AK211_Akash_Incognito ○
- AK211_Anunay_Evaluator ○
- Clarion_IC ○
- AK211_Divya_Worryless ○
- AK211_Bore Gowda S B_Evaluator ○
- AK211_Jagadeesh_Worryless ○
- AK211_Kaviya_Worryless ○
- AK211_Mahesh_Incognito2020 ○
- AK211_Mohan_Incognito2020 ○
- AK211_Monisha_Incognito2020 ○
- AK211_Niranjan_Evaluator ○
- AK211_Pavithra_Worryless ○
- AK211_Prathmesh_Incognito2020 ○
- AK211_Rahul Kumar_Worryless ○
- Admin_Rajashree_MIT ○
- AK211_Rajesh_Worryless ○

See All 24 Members

Virtual Meeting Tools: MS teams, Google meet, Zoom, Cisco webex etc Evaluator Web Application



BML Munjal University

Show 10 entries Search:

PS ID	Title	Organization	Evaluator	Teams Participating																																																																																										
AD357	AD357	Education department Gujarat	Mr. Rishabh Vij Mr. Rakesh Pandey Dr Goldie Gabrani Dr. Purnendu Shekhar Pandey	<table border="1"> <thead> <tr> <th colspan="10">Participating Teams</th> </tr> <tr> <th>Team Name</th> <th>College</th> <th>Leader Name</th> <th colspan="2">Round #1</th> <th colspan="2">Round #2</th> <th colspan="2">Round #3</th> <th></th> </tr> </thead> <tbody> <tr> <td>Ctrl_Alt_Defeat</td> <td>GOVERNMENT POLYTECHNIC, ADDANKI</td> <td>Abhishek Raghuvanshi</td> <td>Mr. Rishabh Vij</td> <td>Mr. Rishabh Vij</td> <td>Mr. Rishabh Vij</td> <td>Mr. Rishabh Vij</td> <td>Mr. Rishabh Vij</td> <td>Mr. Rishabh Vij</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Mr. Rakesh Pandey</td> <td>Mr. Rakesh Pandey</td> <td>Mr. Rakesh Pandey</td> <td>Mr. Rakesh Pandey</td> <td>Mr. Rakesh Pandey</td> <td>Mr. Rakesh Pandey</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Dr Goldie Gabrani</td> <td>Dr Goldie Gabrani</td> <td>Dr Goldie Gabrani</td> <td>Dr Goldie Gabrani</td> <td>Dr Goldie Gabrani</td> <td>Dr Goldie Gabrani</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Dr. Purnendu Shekhar Pandey</td> <td>Dr. Purnendu Shekhar Pandey</td> <td>Dr. Purnendu Shekhar Pandey</td> <td>Dr. Purnendu Shekhar Pandey</td> <td>Dr. Purnendu Shekhar Pandey</td> <td>Dr. Purnendu Shekhar Pandey</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Mr. Rishabh Vij</td> <td>Mr. Rishabh Vij</td> <td>Mr. Rishabh Vij</td> <td>Mr. Rishabh Vij</td> <td>Mr. Rishabh Vij</td> <td>Mr. Rishabh Vij</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Mr. Rakesh Pandey</td> <td>Mr. Rakesh Pandey</td> <td>Mr. Rakesh Pandey</td> <td>Mr. Rakesh Pandey</td> <td>Mr. Rakesh Pandey</td> <td>Mr. Rakesh Pandey</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Dr Goldie Gabrani</td> <td>Dr Goldie Gabrani</td> <td>Dr Goldie Gabrani</td> <td>Dr Goldie Gabrani</td> <td>Dr Goldie Gabrani</td> <td>Dr Goldie Gabrani</td> <td></td> </tr> </tbody> </table>	Participating Teams										Team Name	College	Leader Name	Round #1		Round #2		Round #3			Ctrl_Alt_Defeat	GOVERNMENT POLYTECHNIC, ADDANKI	Abhishek Raghuvanshi	Mr. Rishabh Vij	Mr. Rishabh Vij	Mr. Rishabh Vij	Mr. Rishabh Vij	Mr. Rishabh Vij	Mr. Rishabh Vij					Mr. Rakesh Pandey	Mr. Rakesh Pandey	Mr. Rakesh Pandey	Mr. Rakesh Pandey	Mr. Rakesh Pandey	Mr. Rakesh Pandey					Dr Goldie Gabrani	Dr Goldie Gabrani	Dr Goldie Gabrani	Dr Goldie Gabrani	Dr Goldie Gabrani	Dr Goldie Gabrani					Dr. Purnendu Shekhar Pandey	Dr. Purnendu Shekhar Pandey	Dr. Purnendu Shekhar Pandey	Dr. Purnendu Shekhar Pandey	Dr. Purnendu Shekhar Pandey	Dr. Purnendu Shekhar Pandey					Mr. Rishabh Vij	Mr. Rishabh Vij	Mr. Rishabh Vij	Mr. Rishabh Vij	Mr. Rishabh Vij	Mr. Rishabh Vij					Mr. Rakesh Pandey	Mr. Rakesh Pandey	Mr. Rakesh Pandey	Mr. Rakesh Pandey	Mr. Rakesh Pandey	Mr. Rakesh Pandey					Dr Goldie Gabrani	Dr Goldie Gabrani	Dr Goldie Gabrani	Dr Goldie Gabrani	Dr Goldie Gabrani	Dr Goldie Gabrani	
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Smart India Hackathon 2020

Dashboard

PROBLEM STATEMENTS

Problem Statements >

Report

Participating Teams				
College	Round #1	Round #2	Round #3	Total Score
GOVERNMENT POLYTECHNIC, ADDANKI	AD357_mrrishabhvij	AD357_mrrishabhvij	AD357_mrrishabhvij	0
	AD357_mrrakeshpandey	AD357_mrrakeshpandey	AD357_mrrakeshpandey	
	AD357_drgoldiegabrani	AD357_drgoldiegabrani	AD357_drgoldiegabrani	
	AD357_drpurnendushekharpandey	AD357_drpurnendushekharpandey	AD357_drpurnendushekharpandey	
-	AD357_mrrishabhvij	AD357_mrrishabhvij	AD357_mrrishabhvij	0
	AD357_mrrakeshpandey	AD357_mrrakeshpandey	AD357_mrrakeshpandey	
	AD357_drgoldiegabrani	AD357_drgoldiegabrani	AD357_drgoldiegabrani	
	AD357_drpurnendushekharpandey	AD357_drpurnendushekharpandey	AD357_drpurnendushekharpandey	
Regency College of Hotel Management	AD357_mrrishabhvij	AD357_mrrishabhvij	AD357_mrrishabhvij	0
	AD357_mrrakeshpandey	AD357_mrrakeshpandey	AD357_mrrakeshpandey	
	AD357_drgoldiegabrani	AD357_drgoldiegabrani	AD357_drgoldiegabrani	
	AD357_drpurnendushekharpandey	AD357_drpurnendushekharpandey	AD357_drpurnendushekharpandey	

▶ Student Attendance and Work Submission

▶ Code Submission

▶ Student Registration and Certificate Generation

The screenshot shows the Xtreme dashboard interface. A modal dialog box titled "Generate Certificate" is open, asking "Are you sure you want to generate certificate for Jaya" with "No" and "Yes" buttons. In the background, a table lists team members with columns for Name, Email, Phone, Action, and Certificate. The "Generate" button in the Certificate column for the member "Jaya" is highlighted.

Name	Email	Phone	Action	Certificate
Jaya	chaurasiajaya18@gmail.com	8982351094	Edit Delete	Generate
Ayushi Mishra	ayushimishra1788@gmail.com	7389625245	Edit Delete	Generate
Dheeraj Raikwar	dheerajraikwarindian@gmail.com	9752222335	Edit Delete	Generate
Lokesh Sen	lokeshsen804@gmail.com	7610487589	Edit Delete	Generate
Shubham	mishrashubhamkumar786@gmail.com	7583073685	Edit Delete	Generate

The certificate is for the Smart India Hackathon 2020, Software Edition, Grand Finale (1st, 2nd & 3rd Aug. 2020). It is awarded to Jaya, a member of the team Portal_Pirates, for participating in the 'Smart India Hackathon 2020'. The certificate features logos for organizers MHRD, MIC, Persistent, and Platinum Partner AWS, along with the SIH logo.

Organisers: MHRD, MIC, Persistent, Platinum Partner AWS

Certificate of PARTICIPATION

This Certificate is awarded to

Jaya

of team Portal_Pirates

for participating in 'Smart India Hackathon 2020'

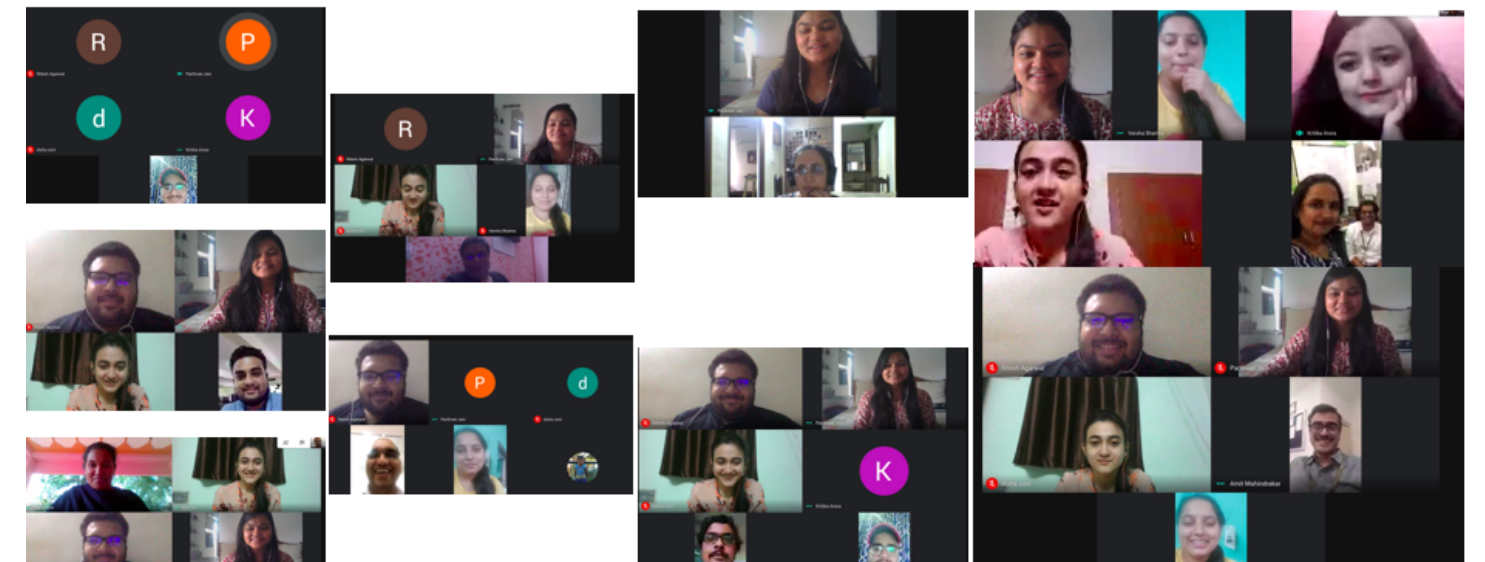
SMART INDIA HACKATHON 2020
SOFTWARE EDITION
Grand Finale
1st, 2nd & 3rd Aug. 2020

Capacity building of NCs: Success Mantra for SIH 2020

The organizing team conducted online sessions using Zoom video conferencing software for all the nodal center (NC) staff over a week. In turn, the NCs were instructed to organize multiple such training sessions for the student teams and evaluators participating in their NCs. Hence, in a matter of three weeks, capacity building of over 10,000 people was achieved using Slack for collaboration, various SIH processes and other practical aspects on going live, social-media management, etc;

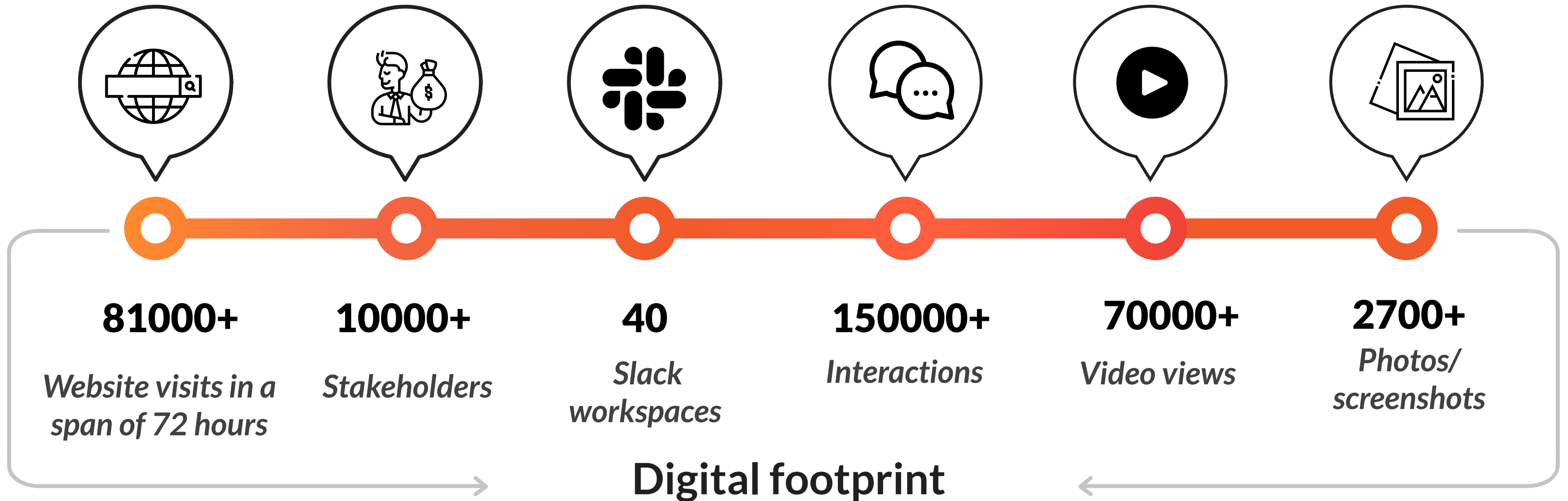
SIH Clinic: Having Fun and Solving Problems

The IC team also came up with an innovative concept of running a live troubleshooting meeting room over the three days using a Google meeting link (as link can be reused, easier to communicate), the NCs were encouraged to bring their problems and IC teams would quickly solve them. The fees for the clinic was a selfie of the client (NC representative) with the IC team, which generated some nice memories during the three days!



Digital footprint

Numbers quantify an event's impact, and being virtual we declare our numbers through website and Slack workspace analytics.



Contact Details

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Technical Setup and Best Practices

Sachin Gaur

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