



INSTITUTE OF ADVANCED RESEARCH
The University for Innovation

Established under the Gujarat Private Universities Amendment Act 2011 and recognized under section 22 and 2(f) of UGC



Name of Organizing Committee/Coordinator:

Event Type (Co-curricular/ Extra-curricular)	University-level Co-curricular Activity organized by DBB, IAR (1 st Biotechnology Breakthrough Hackathon- BBH 2023)		
Date(s) of the Event	24 th August to 5 th September, 2023		
Department of Biotechnology and Bioengineering: No. of Students participants No. of Faculty participants	Students: 64	Active participation of IAR students and sincere efforts of the Faculty organizing committee, Volunteer student committee and IAR (HR dept, IT dept, Canteen, Non-teaching staffs, etc)	
Department of Computer Sciences and Engineering: No. of Students participants No. of Faculty participants	Students: 46	The event was highly successful due to the active participation of students from all dept. at IAR	
Department of Business and management: No. of Students participants No. of Faculty participants	Students: NA		
Other University/Institute: No. of Students participants No. of Faculty participants	NA		
Sponsoring authority	SSIP (10,000 INR)		



INSTITUTE OF ADVANCED RESEARCH
The University for Innovation

Established under the Gujarat Private Universities Amendment Act 2011 and recognized under section 22 and 2(f) of UGC

	11, 000 INR Collected from Registration		
	Total Budget= 21,000 INR		

Name of Organizing Committee/Coordinators:

Patron: Brig. P.C. Vyas, Director, IAR

Hackathon Chairperson: Dr. Narendra Kumar, Head of the Dept. DBB, IAR

Hackathon Convener: Dr. Shubhita Tripathi, Asst. professor, DBB, IAR

Faculty Organizing Committee: Dr. Alok Pandya, Dr. Gajendra Singh Vishwakarma, Dr. Abhishek Chandra, Dr. Jyotin Katesia, Mrs. Bhavana Singh

Purpose/motive of the Event:

By utilizing the potential of students, the 1st Biotechnology Breakthrough Hackathon, geared towards the biotech sector, aims to leverage the power of digital technologies to develop novel technologies, enhance existing technologies for better patient outcomes, digitize manual methods to improve healthcare efficiency and modernize other area of biological sciences. The students will make an intensive team effort towards a particular goal by the end of the hackathon. From designing the concept, through product development, students will have access to hands-on training in one location. Biotechnology Breakthrough Hackathon; a 14 days Hackathon was conducted to solve real problems in the Biotech Domain.

Number of participants: 110 participants

Brief overview of the Event:

Transforming the biotech industry with new digital innovations requires a holistic approach that encompasses various aspects of research, development, production, and healthcare delivery. These innovations could drive transformation and create a unified platform that integrates data from various sources - genomics, clinical trials, real-world evidence, patient data, and more. Advanced data analytics and AI can help uncover insights that drive breakthroughs in drug discovery and personalized medicine. By utilizing the potential of students, the Biotechnology Breakthrough Hackathon, geared towards the



INSTITUTE OF ADVANCED RESEARCH
The University for Innovation

Established under the Gujarat Private Universities Amendment Act 2011 and recognized under section 22 and 2(f) of UGC

biotech sector, may leverage the power of digital technologies to develop novel technologies, enhance existing technologies to better patient outcomes, digitize manual methods to improve healthcare efficiency and modernize other area of biological sciences. The student will make an intensive team effort towards a particular goal by the end of the hackathon. From designing the concept, through product development, students will have access to hands-on training in one location. Biotechnology Breakthrough Hackathon is a 14 days Hackathon conducted to solve real problems in the Biotech Domain.

Date and place of activity: 24th August to 5th September, 2023; IAR, Gandhinagar

Report for social media:

1. LinkedIn link-https://www.linkedin.com/posts/iargandhinagar_biohackathon-biotechinnovation-digitalbiotech-activity-7098228181685432320-Pa7e?utm_source=li_share&utm_content=feedcontent&utm_medium=g_dt_web&utm_campaign=copy
2. Instagram link-<https://www.instagram.com/iaruniversity/reel/CwuUYx-Lo3U/>

Feedback from Students: Students gave very positive and encouraging feedbacks for this hackathon

Payment advice from the Accounts department:

Guest/expert invited: Mr. Niraj Shah, Arihant Satiata

Activity details with outcome:

- A total of 110 students from both Dept. of biological sciences & bioengineering as well as Dept. of computer sciences & engineering participated in this first university level hackathon
- The event started with the inauguration of the BBH 2023 hackathon and ribbon cutting by our honorable director, Brig. P.C. Vyas along with our external expert (guest), Mr. Niraj Shah
- This was followed by the tour of the exhibition by our esteemed dignitaries where the participant teams showcased their innovative products with enthusiasm
- The honorable team comprising of our dignitaries appreciated the efforts of our student participants and gave them valuable feedback
- The participants teams were evaluated by our judging panel (Faculty experts and external guest) under two categories viz. "Idea category" and "Prototype category". A total of 12 teams competed in the Prototype category and 8 teams in the Idea category.



INSTITUTE OF ADVANCED RESEARCH

The University for Innovation

Established under the Gujarat Private Universities Amendment Act 2011 and recognized under section 22 and 2(f) of UGC

- A keynote session on entrepreneurship and product building was delivered by our external guest, Mr. Niraj Shah, Arihant Satiate who shared with our participants some valuable pointers on building good & effective products.
- The last session of the event was valedictory session where top 3 teams in prototype category received cash prizes (sponsored by SSIP) and certificates and top 3 teams in idea category received certificates.
- The event was highly successful and students gave extremely positive feedback as well as highlighted their willingness on participation for similar future hackathons.

Glimpses of BBH 2023 Hackathon





INSTITUTE OF ADVANCED RESEARCH
The University for Innovation

Established under the Gujarat Private Universities Amendment Act 2011 and recognized under section 22 and 2(f) of UGC





INSTITUTE OF ADVANCED RESEARCH
The University for Innovation

Established under the Gujarat Private Universities Amendment Act 2011 and recognized under section 22 and 2(f) of UGC





INSTITUTE OF ADVANCED RESEARCH
The University for Innovation

Established under the Gujarat Private Universities Amendment Act 2011 and recognized under section 22 and 2(f) of UGC





INSTITUTE OF ADVANCED RESEARCH

The University for Innovation

Established under the Gujarat Private Universities Amendment Act 2011 and recognized under section 22 and 2(f) of UGC





INSTITUTE OF ADVANCED RESEARCH
The University for Innovation

Established under the Gujarat Private Universities Amendment Act 2011 and recognized under section 22 and 2(f) of UGC





INSTITUTE OF ADVANCED RESEARCH
The University for Innovation

Established under the Gujarat Private Universities Amendment Act 2011 and recognized under section 22 and 2(f) of UGC



INSTITUTE OF ADVANCED RESEARCH
The University for Innovation

Established under the Gujarat Private Universities Amendment Act 2011 and recognized under section 22 and 2(f) of UGC

Media coverage: None

Link to the FB Page/Google Meet/YouTube link: NA

Attendance of participant/attendees: Attended (Separate sheet attached for registration)

Signature

Dr. Narendra Kumar

(BBH Hackathon Chairperson,
HOD, DBB, IAR)

Signature

Dr. Shubhita Tripathi

(BBH Convener & Coordinator),
DBB, IAR

Date: 28/11/2023

Place: IAR, Gandhinagar



INSTITUTE OF ADVANCED RESEARCH

The University for Innovation

Established under the Gujarat Private Universities Amendment Act 2011 and recognized under section 22 and 2(f) of UGC

PROTOTYPE CATEGORY

Attendance sheet

TEAM CODE	TEAM MEMBERS		
BBH QP1	Ojasvi Kushwaha	Yash Singh	-
	<i>Ojasvi</i>	<i>Yash</i>	
BBH QP2	Jahnvi Goyal	Patel Irniteeben Chandrakan	Masoom Pragnesh Rava
	<i>Jahnvi</i>	<i>I.C. Patel</i>	<i>Masoom</i>
BBH QP3	Pushpa changani	Vaishali Chaudhari	Vishva patel
	<i>Pushpa</i>	<i>Vaishali B</i>	<i>Vishva Patel</i>
BBH QP4	Mruga Raval	-	-
	<i>Raval</i>		
BBH QP5	Dhrumi Lolariya	Swati Shukla	Saanvi Panchal
	<i>Dhrumi</i>	<i>S. Shukla</i>	<i>Panchal</i>
BBH QP6	Malvika Shukla	Saloni Malik	Dhruvesh Maiya
	<i>Malvika</i>	<i>Saloni</i>	<i>D</i>
BBH QP7	Deepak Singh Paliha	Dhanraj rana	Vaidehi gohil
	<i>Deepak</i>	<i>Dhanraj</i>	<i>V. gohil</i>
BBH QP8	Dwij Niravbhai Baxi	Deval Fuletra	Mit Prajapati
	<i>Dwij/B.</i>	<i>Deval</i>	<i>Mit</i>
BBH QP9	Manav Dodani	Soham Shukla and Aditya sir	Sparsh shah
	<i>Manav</i>	<i>Soham A</i>	<i>Sparsh</i>
BBH QP10	Yash N. Sinha	Swati S. Sundriyal	Maitri Shah
	<i>Yash</i>	<i>Swati</i>	<i>Maitri</i>
BBH QP11	Astha Chaudhari	Ayushi Rana	Jeet gajjar
	<i>Astha</i>	<i>A. Rana</i>	
BBH QP12	Prashant karbele	Ruturaj kardode	Sumit kosare
	<i>Prashant</i>	<i>Ruturaj</i>	<i>Sumit</i>



INSTITUTE OF ADVANCED RESEARCH
The University for Innovation

Established under the Gujarat Private Universities Amendment Act 2011 and recognized under section 22 and 2(f) of UGC

Attend

IDEA CATEGORY

TEAM CODE	TEAM MEMBERS		
BBH QI 1	Tisha Shah	Hetvi Patel	-
BBH QI 2	Abhishek Pradipsinh R	Disha Jaypalsing Giras	Dinkal kirtibhai Leuva
BBH QI 3	Archi Sharma	Keerti Maheshwari	Vivek Tiwari
BBH QI 4	Nidhi Yadav	Vaishnavi Newaskar	-
BBH QI 5	Mayur solanki	Kiya suthar	Kuldeep solanki
BBH QI 6	Vedant Bhayani	Het Kansagara	Heli Patel
BBH QI 7	Patel Poojan Nitinkum	Vishwa Chavda	Patel Tarang
BBH QI 8	Dhruva Suthar	Nihar Suthar	Yovan Badarshahi