

HACK MITWPU '23

ONE HACKATHON. FIVE TRACKS.
MILLION PROBLEMS. BILLION MINDS.

EVENT REPORT



**ORGANISERS
AND
SPONSORS**





ORGANISERS



Dr. Vishwanath Karad
MIT WORLD PEACE UNIVERSITY | PUNE
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS



SPONSORS





TABLE OF CONTENTS

Purpose & Objective	05
Strategy in action	07
Pre Hackathon Programs	10
The Ceremonies	12
Statistics	15
Events at a Glance	17
The Hackathon	19
Summary	23
Core Team Committee	26
What's Next?	31
News Coverage	34



THE OBJECTIVE AND PURPOSE



THE PURPOSE

To systematically foster the culture and importance of Innovation across our university. Aiming to discuss, encourage, motivate, and nurture Innovations and talent across the MIT-WPU Students leading to become and think like entrepreneurs.

THE OBJECTIVE



Help Students to Create Breakthrough Innovations / Futuristic Directions



Developing Innovation Teams to Work on Impactful Projects



Connecting Academia-Business Ideas with New Technologies for Bigger Impact



Mentoring Innovation Projects for Mind to Market Success



STRATEGY IN ACTION



LOADING...





STRATEGY IN ACTION

HackMITWPU will continue to specialize in Engineering, Design, Agriculture, Health, and Business. This is the foundation on which we build our future. Hack MIT-WPU will embed our educational experience in a vibrant, research-led, inno-preneurial environment. By learning alongside researchers and industry practitioners, who are experts in their fields, MIT-WPU students will gain the practical, entrepreneurial, and intellectual skills to tackle societal problems.

HackMITWPU will build a supportive, inclusive, and highly motivated faculty community (guru) across all disciplines, functions, and activities. This will help the university to attract and retain the talented and diverse pool of experts we need to achieve our mission. MIT-WPU will enrich the student experience.

Providing a broad range of activities, services, and support for MIT-WPU students beyond their studies helps them to develop wider talents and to be successful. Hack MIT-WPU will build strong relationships with challenge providers' problem statements. This lifelong exchange of ideas and support will benefit the world.

Domains and Technologies impacting quality of Life	Technology	AI and ML	Communication Techno.	Internet of things (IoT)	Block Chain Techno.	AR/VR/MR	Cloud Computing & Hybrid C	Quantam computing	Big Data and Analytics	Robotics & Process Automat	Cyber Security	Parctice Areas	Design	Social Science & Manigt.	Consciousness Studies	-Emerging Exponential Technologies and practice areas can be added
DOMAINS													Objectives			
Healthcare technologies and medical devices																Making healthcare effective, affordable, inclusive, Responsive & Sustainable to all
Manufacturing and Industry 4.0																Improving competitiveness of Indian mfg Industries
Energy & Sustainability																Making alternative and renewable energy affordable
Agriculture and Food Technologies																Be a supplier to the world market
Sustainable Design and Habitat																Affordable and sustainable habitat for all
Media and Entertainment																Foster new age technology and experience
Defense, space and Security																Apply science and technology to lend an edge and indigenize the country's security
Advanced Material and Infrastructure																Achieve leadership in hardware and infra.
Education and Business Excellence																Transforming education and management practices

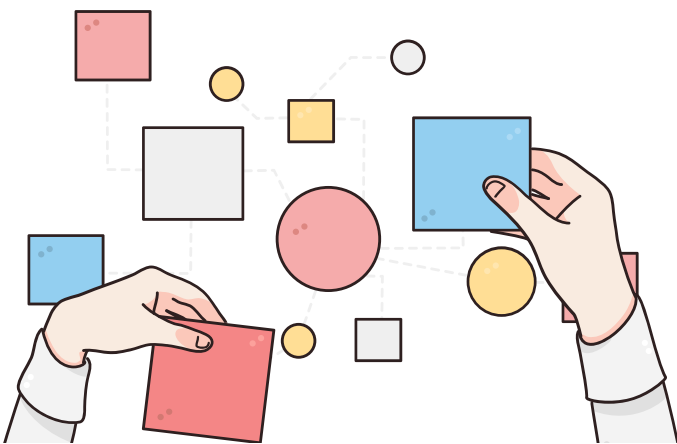
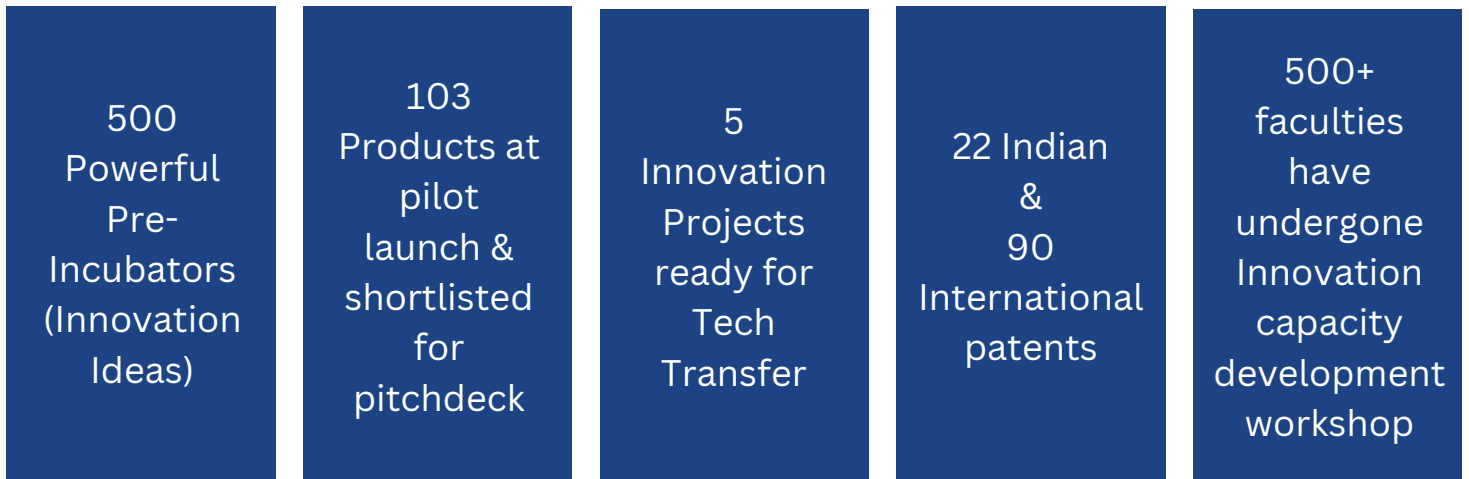


STRATEGY IN ACTION

The Main emphasis is to create a strong pre-incubation pipeline with the functional prototype or technology readiness as an outcome across the university, where 500 academic projects are prevalent. Hack MIT-WPU expects 100 powerful pre-incubation innovation projects in the next 3 years.

Eventually, the pre-incubation – incubation – startup ecosystem will lead MIT-WPU's Research and Innovation breakthrough.

MIT-WPU has allotted 5 crore funds last year and each innovation project received a grant of up to 1 lakh. MIT-WPU is proposing to accelerate the life cycle of innovation projects, innovation coordinators, officers, and new product development officers (Proposed Posts) will be handholding the various projects. MIT-WPU Accelerator has been working on powerful 50+ ideas at the pre-incubation level and the contribution for the year 2022 looks like this so far:



PRE-HACKATHON PROGRAMS





PRE-HACKATHON PROGRAMS

Mind to Market was an innovative workshop to zeal in entrepreneurship and innovative attitude amongst the students. Students were tutored about the process of developing a new product and bringing it to the market. It was a pioneering workshop regulated by Mr. Manish Patil.

The Workshop allowed students to learn about developing technical and adaptive business capacities. 250+ students participated in the innovative building and iterative process that requires a blend of creativity, business acumen, and technical skills to flourishingly bring a new product to the market.

MIND TO MARKET

250+ Students



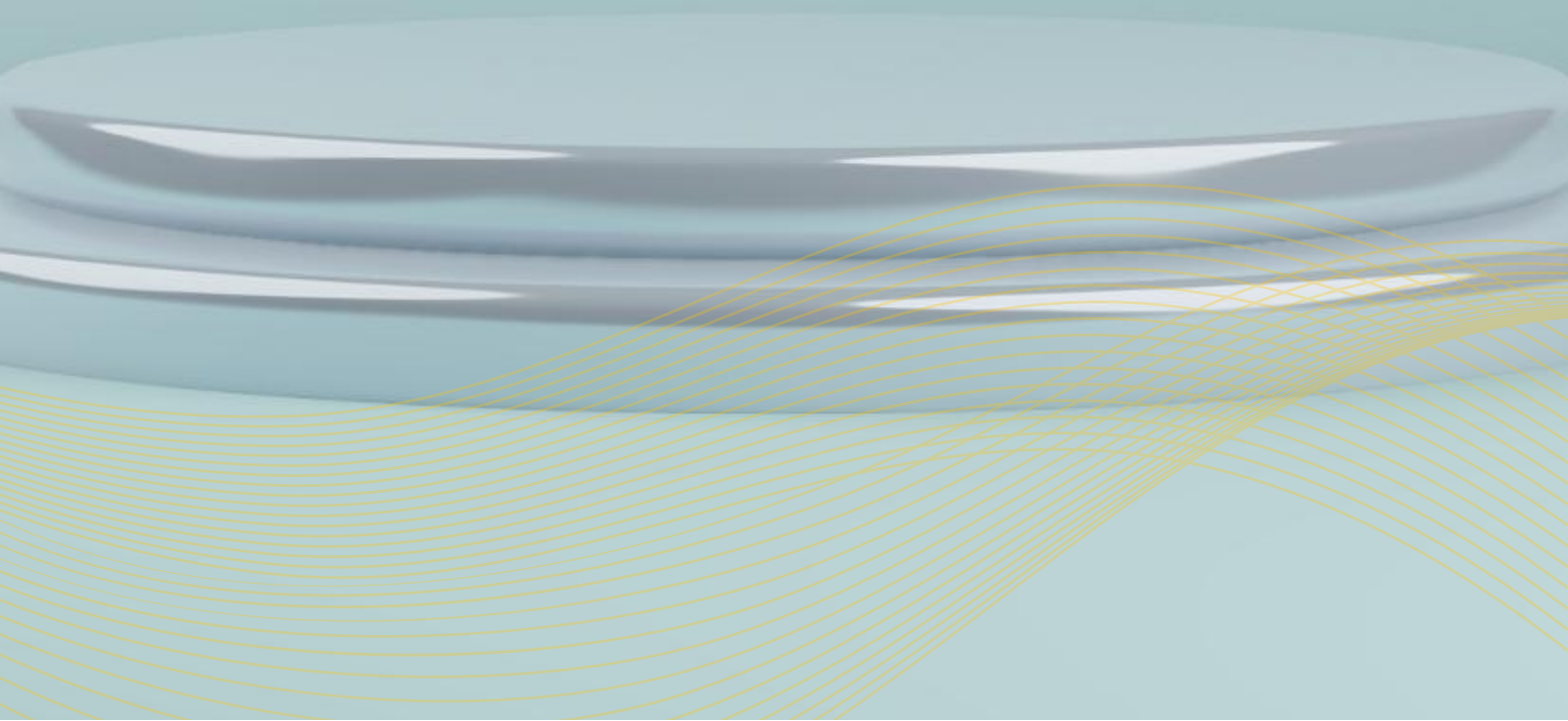
90+ Faculty

CAPACITY BUILDING WORKSHOP FOR FACULTY

The Innovation Hands-on Workshop was aimed at enabling the faculty members to identify the commercial potential of their research work & projects. The workshop pushed the faculties to think critically & improve upon current projects and research work and define new research work with this innovation mindset.

The two-day extensive workshop conducted by Mr. Manish Patil was attended by 90 + faculties to enhance and learn Campus to Market & Technology Commercialization Readiness. The Innovative Hands-on trickled down in making the start-up environment at MIT-WPU truly supportive and stronger.

THE CEREMONIES



THE CEREMONIES

INAUGURAL CEREMONY

1ST MARCH 2023

The inaugural ceremony of a Hackathon was a typical kickoff event, in the presence of Hon'ble Executive President and chief patron Shri. Rahul V Karad, distinguished guest speakers, Mr. Neelesh Borkar and Mr. Sanjay Katkar, teachers, and budding entrepreneurs of the MIT World Peace University. It created a positive and collaborative atmosphere that encouraged creativity, innovation, and teamwork for the three-day Annual Innovation Hackathon 'HackMIT-WPU' 2023. The dignitaries on the dais boosted the confidence and motivated the students to be 'the job giver and not the job seeker.'

SOURCE OF INSPIRTION



Prof. Dr. Vishwanath Karad
Founder & President,
MAEER'S MIT GROUP & UNESCO
CHAIR

CHIEF PATRON



Shri. Rahul Karad
Executive President,
MIT-WPU

CHIEF GUESTS



Mr. Sanjay Katkar
CO-Founder and CTO,
Quick Heal Technologies



Mr. Neelesh Borkar
Vice President Operations,
Worley



THE CEREMONIES

VALEDICTORY CEREMONY

3RD MARCH 2023

The valedictory & prize distribution ceremony was graced by our source of inspiration Revered Prof. Dr. Vishwanath D Karad Sir and the esteemed guests Mr. Sanjay Annigeri, Mr. Sanjay Kamtekar, Mr. Asheesh Pandey, Mr. Anurag Garg, Mr. Ajay Todkar and Mr. Ashok Joshi. The three-day Annual Innovation Hackathon HackMIT-WPU 2023 was a triumphant alteration to several domains emerging with innovative ideas across the five tracks of Ideathon, Workathon, Pharmathon, Entrepreneurial, and Made in MITWPU provided a platform for participants to showcase their skills and come up with innovative solutions to real-world problems. Everyone expressed their gratitude & shared words of wisdom to inspire and propel heartfelt congratulations to all the winners and participants of the HackMIT-WPU 2023. Their Hard-work, dedication, and innovative ideas have made this event a resounding success.

SOURCE OF INSPIRTION



Prof. Dr. Vishwanath Karad
Founder & President,
MAEER'S MIT GROUP & UNESCO
CHAIR

CHIEF PATRON



Shri. Rahul Karad
Executive President,
MIT-WPU

CHIEF GUESTS



Mr. Sanjay Kamtekar
VP Global Marketing & Strategy
CAMECA



Mr. Sanjay Annigeri
VP Global Marketing & Strategy
CAMECA



Mr. Anurag Garg
Managing Director & Country Head India,
Vitesco Technologies



Mr. Ajay Todkar
Director,
BizDev- US & Europe



Mr. Asheesh Pandey
Executive Director,
Bank of Maharashtra



Dr. Ashok Joshi
Founder, Microlin LLC,
Salt Lake City, USA



STATISTICS





STATISTICS

5 TRACKS
2500+ PARTICIPANTS
470+ TOTAL REGISTRATIONS

17 START-UPS
30+ INNOVATION PROJECTS
450+ MENTORS
100+ JURIES





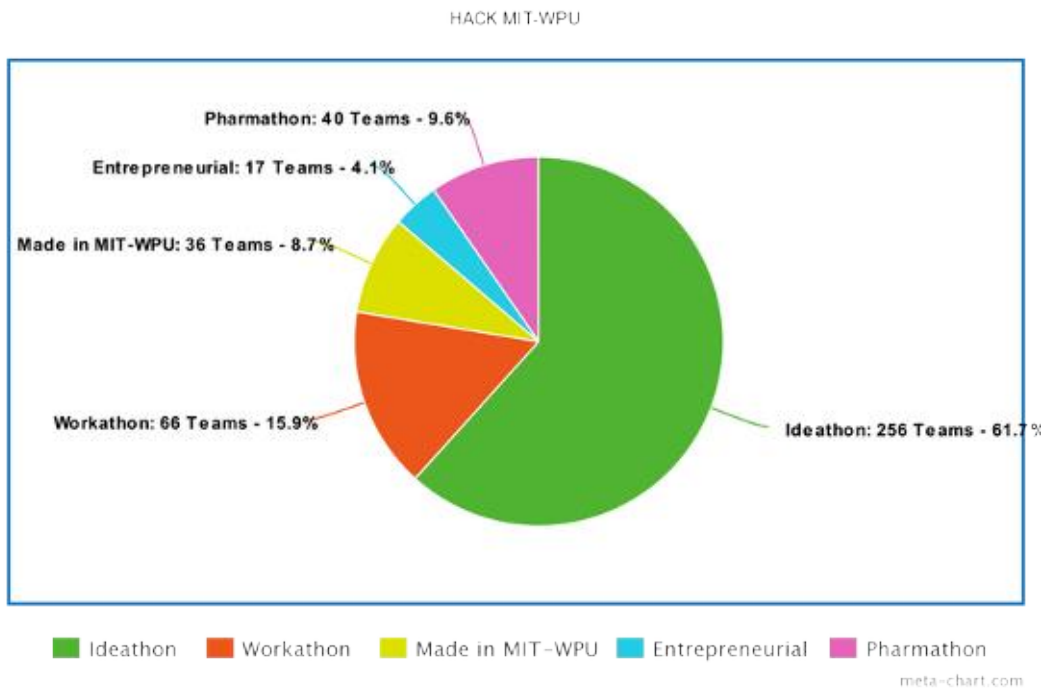
EVENTS AT A GLANCE



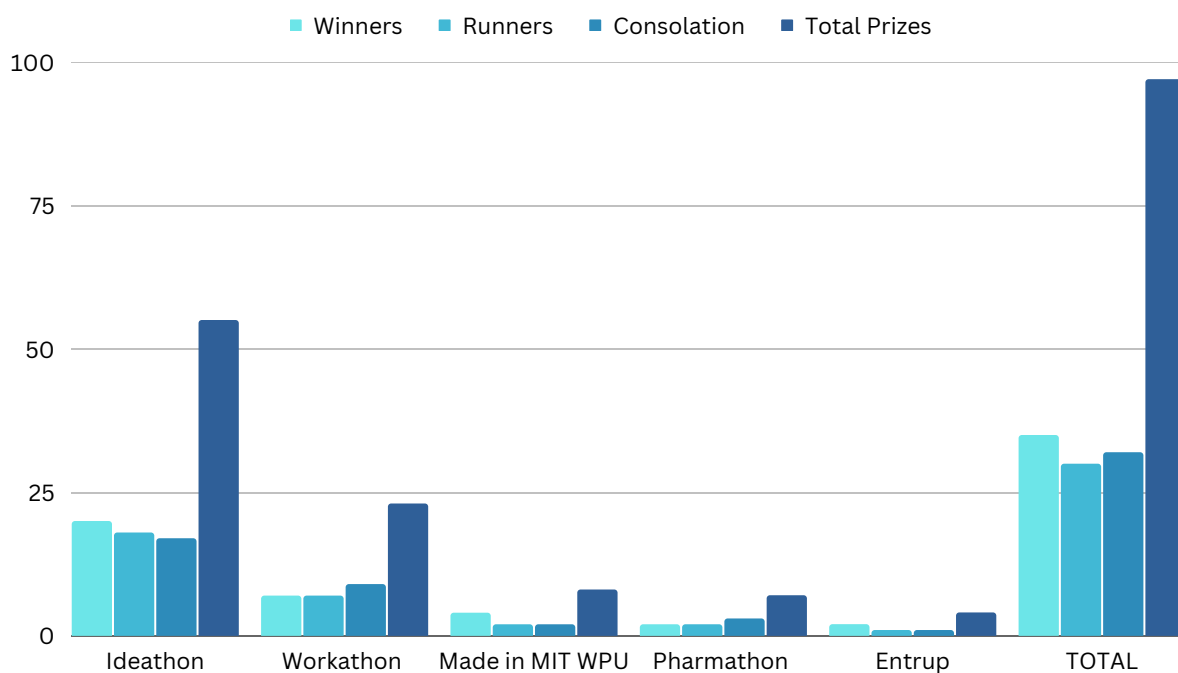


EVENTS AT A GLANCE

Participation of students in different tracks



Prizes given per track in the Hackathon



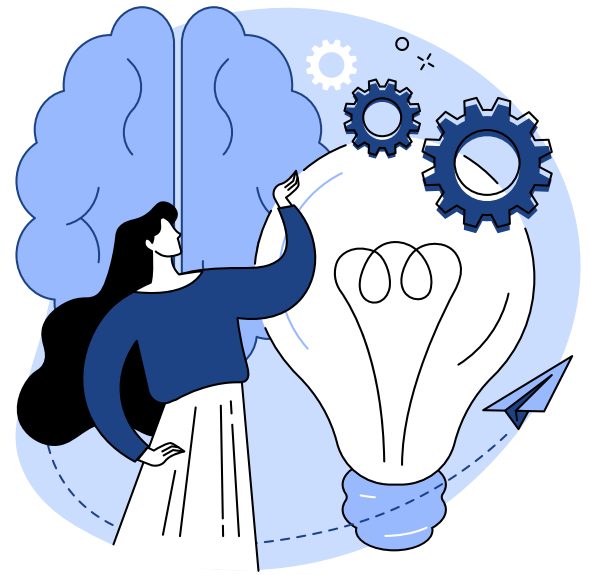


THE HACKATHON

THE HACKATHON

Ideathon - 290+ teams

The Ideathon track of the HackMIT-WPU 2023 Innovation Hackathon was a platform for participants to come up with innovative and out-of-the-box ideas for addressing real-world challenges. The participants were given a specific problem statement and were encouraged to brainstorm, ideate and come up with unique solutions. The teams worked tirelessly to develop their ideas, utilizing the latest technologies and tools. They were mentored by experienced professionals who provided guidance and support along the way. They brought a unique perspective to the problem statement, with their ideas ranging from AI-powered solutions for healthcare to sustainable farming practices. The initiation of making a business into a reality, Ideathon was a platform to discover and deceive potential Innovative Ideas, brainstorm and transpire an igneous solution & document it. Overall 290+ innovative ideas were put forth The ideas in a presentation format in front of juries.



Workathon - 60+ teams

The track stimulated a platform for participants to work on a problem statement and come up with a working prototype or solution. The participants were encouraged to work collaboratively, using their technical skills and knowledge to develop an innovative solution.

The presentations given by the teams were impressive, showcasing their technical skills and their ability to work under pressure. Each team demonstrated a deep understanding of the problem statement and presented a unique solution that had the potential to make a real impact.

A total of 60+ teams participated and submitted their code, a functional prototype, and a video demonstrating use cases and set-up procedures.



THE HACKATHON

Entrepreneurial - 20+ teams

HackMIT-WPU 2023 was a journey that nurtured students' entrepreneurial journey. The Entrepreneurial track of the Hackathon provided an excellent opportunity for the participants to showcase their entrepreneurship skills and develop their business ideas. The participants were given a problem statement and were encouraged to come up with a solution that not only addressed the problem but also had the potential to be turned into a viable business. 20+ teams showcased their business prototypes to experienced entrepreneurs and extracted the best from their feedback for further enhancement.





THE HACKATHON



Made in MIT-WPU - 35+ teams

We adhere to research and innovation as the core of the university. The Made in MIT-WPU track was a platform for the students of MIT-WPU who have been granted funding of 1 lakh to showcase their established business and gain insights from industry experts.

It was a platform for more than 35+ participating teams to showcase their technical and creative skills in enlarging an idea into a business.

Pharmathon - 35+ teams

The Pharmathon track of the HackMIT-WPU 2023 Innovation Hackathon was a platform for participants to come up with innovative solutions in the field of pharmacy and healthcare. The participants were given a specific problem statement and were encouraged to brainstorm, ideate and come up with unique solutions utilizing the latest technologies and tools in the field of pharmacy and healthcare. The track provided an excellent opportunity for the participants to showcase their expertise in the domain of Compounding, Medication therapy management, Drug Analysis, etc. in pharmacy and healthcare.





S U M M A R Y

SUMMARY



Innovation Hub, in collaboration with the Google Developers Student Club, organized the second edition of MITWPU's annual innovation hackathon - HackMIT-WPU 2023, which was a highly anticipated event that provided a unique platform for students from diverse backgrounds to showcase their innovative ideas and solutions. The five-track event offered a mix of technical, business-oriented, and pharmaceutical-advancement-focused challenges, making it more than just a technothon.

HackMIT-WPU '23 offered a wonderful opportunity for students to work with new technologies, gain industry-specific experience, and refine their ideas through feedback from expert juries. The interdisciplinary brainstorming platform allowed students to collaborate and work on real-world problems, enhancing their domain-specific skills, and fostering an entrepreneurial attitude.



Apart from the challenges, the event had numerous activities, including workshops, panel discussions, and keynote speeches from industry leaders, which added value to the participants' experience. The event was attended by a diverse range of students, including undergraduates, postgraduates, and Ph.D. scholars.



HackMIT-WPU 2023 brought an excellent opportunity for students to network with industry professionals and explore further in their respective domains. The event's success is a testament to the organizers' efforts in nurturing the entrepreneurial attitude amongst the students and promoting innovation in various domains.

Overall, the event was a resounding success, and it is encouraging to see such initiatives being organized to empower the next generation of innovators and entrepreneurs.





CORE TEAM MEMBERS

HACK MIT-WPU 2023 REPORT



Dr. Vishwanath Karad

**MIT WORLD PEACE
UNIVERSITY** | PUNE

www.mitwpu.edu | www.mitwpu.ac | www.mitwpu.org

CORE TEAM MEMBERS

The Core Team Committee and students came together to bring you the HACK MIT- WPU. The team members who came forward and took the charge to make this event happen.

CHIEF CONVENER



Rahul V Karad
Executive President
MIT-WPU

ADVISOR



Dr. Ashok Joshi
Founder, Microlin LLC,
Salt Lake City, USA

CONVENERS



Prof. Dr. Ravikumar Chitnis
Vice Chancellor
MIT-WPU



Prof. Dr. Tapan Panda
Pro-Vice Chancellor
MIT-WPU



Prof. Dr. Milind Pande
Pro-Vice Chancellor
MIT-WPU

CO-CONVENERS



Dr. Ganesh Pokale
Registrar
MIT-WPU



Prof. Dr. Prasad
Khandekar
Senior Director CIAP
MIT-WPU



Mr. Pravin Patil
Senior Director
International Relations
MIT-WPU



Prof. Dr. Krishna Warhade
Dean-Research and Doctoral
Program
MIT-WPU



Prof. Dr. Kishnaprasad
Gunale
Assistant Professor
MIT-WPU



Dr. Samarth
Patwardhan
Director R&D



Dr. Vinay Mittal
Dean School of Computer
Engineering



Dr. Dinesh Seth
Dean Engineering and
Technology



Dr. Datta Dandge
Dean - Academics



Dr. Neeraj Mahidroo
Dean Pharmacy



Prof. Santosh Kumar
Dean – School of Liberal Arts



Dr. Gunjeet Kaur
Dean - School of Economics
& Commerce



Dr. Rohini Kale
Associate Dean - School of
Polytechnic and Skill
Development



Dr. Sakthi Ganesh
Murugesan
Controller of
Examinations



Mr. Jay Wadhvani
CAFO



Dr. Mahesh Thorwe
Director Operations

CORE TEAM MEMBERS

CORE ORGANISERS



Prof. Veshal Pawar
Assistant Professor
MIT-WPU



Dr. Avinash Patil
Research Associate
MIT-WPU



Dr. Arti Khaparde
Professor
MIT-WPU



Mr. Shankar Rane
Associate Director - Center
for Industry Academia
Partnership

CORE ORGANISERS - INNOVATION COORDINATORS



Dr. Amit Jomde
Innovation Coordinators
Division 1 MIT-WPU



Dr. Vinita Kale
Innovation Coordinators
Division 2 MIT-WPU



Dr. Satish Polshettiwar
Innovation Coordinators
Division 3 MIT-WPU



Prof. Shreyas Thakkar
Innovation Coordinators
Division 4 MIT-WPU

FACULTY INNOVATION COORDINATORS DIVISION 1



Dr. Nitin Pise
School of Computer
Engineering and Technology



Dr. Sumitra Motade
School of Electronics and
Communication Engineering



Prof. Amolkumar
Desale
School of Chemical
Engineering



Dr. Chetan Khadse
School of Electrical
Engineering



Dr. Abhishek Thote
School of Mechanical
Engineering



Dr. M. B. Sonawane
School of Civil
Engineering



Dr. Mrinal Deshmukh
School of Petroleum
Engineering



Prof. Surabhi Thatte
School of Computer
Science



Prof. Ketan Karandikar
School of Polytechnic -
Applied Science/
Mechanical/ IT/ E&TC/
Computer/ Civil

CORE TEAM MEMBERS

FACULTY INNOVATION COORDINATORS DIVISION 2



CA. Siddesh Waikar
School of Commerce



Dr. Jayraj Rajaiah
School of Economics



Prof. Parimal Maya Sudhakar
School of Government



Dr. Atul Fegade
School of Management
(UG)



Prof. Bhushan Shete
School of Public Policy

FACULTY INNOVATION COORDINATORS DIVISION 3



Dr. Manasi Mishra
School of Biology



Dr. Abdul Wasif Shaikh
School of Chemistry



Dr. Pankaj Koparde
School of Ecology &
School of Public Health &
School of Sustainability
Studies



Dr. Anil Pawar
School of Pharmacy

FACULTY INNOVATION COORDINATORS DIVISION 4



Dr. Yashpal Netragaonkar
School of Education &
Research



Prof. Vatsala Sutar
School of Design

CORE TEAM MEMBERS

STUDENT CORE TEAM



Aryan Yadav
Organizer



Rushikesh Patade
Organizer



Era Aggarwal
Organizer



Muskan Singh
Co-Organizer



Dipali Yadav
Co-Organizer



Tushar Mittal
Co-Organizer



Tanmay Panda
Technical Head



Monish Kamtikar
Technical Head



Amit Pile
Event Head



Jatin Chellani
Finance Head



Akshit Mahaur
Content Head



Shreya Patil
Social Media and Design Head



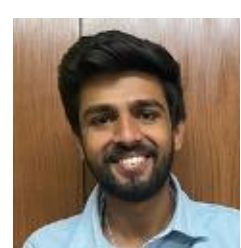
Kunal Tilaganji
Logistics Head



Ishan Oze
Jury Head



Neel Bafna
Jury Head



Atharva Bharadwaj
Sponsorship Head



Vedant Rawal
Marketing Head



Vansh Choudha
Security & Sponsorship Co-Head

WHAT'S NEXT?

HACK MIT-WPU 2023 REPORT



Dr. Vishwanath Handed
**MIT WORLD PEACE
UNIVERSITY | PUNE**
॥ १९९९-२०२३ ॥

WHAT'S NEXT?

Proposed Strategy for “Next Generation” Innovation Program



The salient features of the Innovation Practice Program are:

	Foundation Course	NGIP-1	NGIP-II
Duration	15 Days	30 days	6 months
Idea to Prototype	After 1 st year in summers	After 2 nd year in summers	Pre-final semester
Credit allotted	2 Credits-RIDE	2 Credits-Hackathon	15 Credits - Capstone Project/Final Projects
Industry Role	Skilling on Innovation and design thinking	200+ companies will come to provide problems statements	Companies will select candidates based of CGPA & NGIP- 1 and 2 performance
Facilitations	Experiential learning sessions - RIDE	INNOEVERSITY - Paper to Product Program	INNOEVERSITY – Mind to Market Program
Mentoring		1 Mentors from Industry + 1 Professor + 1 Entrepreneur	Paid internship with Industry Mentors
Assessment	Live concourse of conceptual understanding	Progress reports and daily updates by Mentors	Milestones and innovation outcomes

WHAT'S NEXT?

Conclusion and Winning Strategies at MIT-WPU:

HackMIT-WPU provided a roadmap for MIT-WPU for practicing successful innovations to create impact. This also confirmed career assurance of students at university no matter whether they take an entrepreneurial route or a job route and ensures possibility of more success in an ever changing world.

Winning Strategies by Innovation Hackathon:

- Achieving 500 pre-incubation ideas, 50 powerful incubation prototypes and 05 start-ups every two year.
- Co-creating School wise innovation projects portfolio (short term, medium term, and long term) based on chosen ten domains and ten technologies.
- Enable collaborations for building research-innovation acumen, fostering successful innovations and developing start-ups.



NEWS COVERAGE

HACK MIT-WPU 2023 REPORT



Dr. Vishwanath Karad
**MIT WORLD PEACE
UNIVERSITY** | PUNE
RESEARCH | INSPIRE | LEADERSHIP | PARTNERSHIP



REPORT CREDITS


Dr. Milind Pande
Pro Vice Chancellor
MIT-WPU

Prof. Vishal Pawar
Assistant Professor
MIT-WPU

Ms. Pallavi Lakhe
EA to Pro VC
MIT-WPU

Ms. Shreya Patil
Student
MIT-WPU

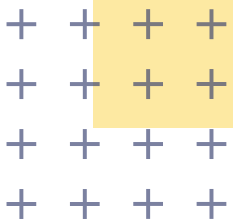
Mr. Akshit Mahuar
Student
MIT-WPU



HACK

MITWPU

HACK MIT-WPU
WEBSITE



@mitwpuofficial @innovation.hub_ @hackmitwpu