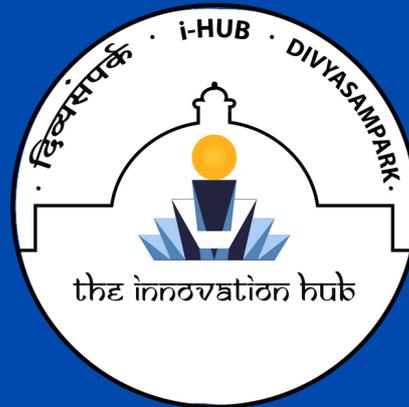




सत्यमेव जयते

Department of Science & Technology
Govt. of India



iHUB DivyaSampark

IIT Roorkee

A Joint initiative of Government of India, Department of
Science & Technology (DST) and Indian Institute of Technology
(IIT Roorkee)

Quarterly

NEWSLETTER

October to December 2023

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About

iHUB DivyaSampark:

iHUB DivyaSampark a section 8 company (Non-Government Organization) is a Technology Innovation Hub, at IIT Roorkee and is set up under National mission on Interdisciplinary Cyber Physical systems (NM-ICPS), initiated by Department of Science & Technology (DST) to build innovative solutions, to train manpower and encourage entrepreneurship for the world's current challenges like affordable health care, Industry 4.0 sustainable smart cities and defense.

VISION & MISSION



iHUB DivyaSampark aims to enable an innovative ecosystem in new age technologies like AI, ML, Drones, Robots, data analytics (often called CPS technologies) and becoming the source for the next generation of digital technologies, products and services by promoting, enhancing core competencies, capacity building, manpower training to provide solutions for national strategic sectors and becoming a key contributor to “Digital India” and “Aatmanirbhar Bharat”.



*Building an
Innovation Tribe...*

Message from CEO:



Mr. Manish Anand
Chief Executive Officer
iHUB DivyaSampark,
IIT Roorkee

Since the inception of our journey, the aspiration has been to establish this hub as one of Asia's most prestigious platforms. This will serve as a comprehensive channel for all relevant participants in the innovation ecosystem - researchers, startups, corporates, venture capitalists, and policymakers.

Looking back on our three-year journey, I am elated to share that our organization has progressed in alignment with our envisioned path. We have effectively attained significant milestones, most notably in the training of over 20,000 students residing in remote and hilly areas, in emerging technologies. Additionally, we have successfully established labs for AR/VR, IoT, and Drones, providing a platform for hands-on learning. Our support extended to 26 startups, four of them have received national awards, and also supported 253 undergraduate students through fellowships.

We are proud of signing numerous impactful MoUs, including one that positively influenced our partner's stock price.

These collective efforts exemplify the strength of our teamwork, yielding remarkable results that propel us closer to the pinnacle of success, and strengthen our vision and mission.



The 3rd National Workshop on Technology Innovation in Cyber-Physical Systems (TIPS 3.0), organized by the Department of Science and Technology (DST) under the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS) hosted by C3i Hub at Indian Institute of Technology, Kanpur. We were honored to be part of this remarkable event, it has redefined our perspective on technology and its limitless possibilities, with a vision to reshape India's technological innovation landscape in CPS.

At IHub DivyaSampark, we believe that knowledge knows no boundaries. With immense pride, we unveil our state-of-the-art facility at our spoke Shoolini University, strategically placed in the remote and hilly areas, which was inaugurated by the honorable Chief Minister of Himachal Pradesh, Sukhwinder Singh Sukhu. This groundbreaking endeavor has been made possible through the support and vision of the Department of Science and Technology (DST), who believes in our mission to empower students in hilly and remote areas. It's a hub of innovation, featuring cutting-edge technology including drones, AR/VR, and Internet of Things (IoT). Through such initiatives, we are trying to make knowledge accessible to everyone, everywhere!





We are pleased to announce that iHUB DivyaSampark has achieved significant milestones, and we celebrate this occasion on October 20th, 2023. iHUB DivyaSampark has provided opportunities in the CPS domain and some of the achievements are shared here.

iHUB Sharda announced a new initiative, “Startup Clinic” a nurturing space for startups, offering emotional support and expert guidance to foster financial growth, while providing investors with insights and steering startups comprehensively across various facets.



Our spoke iHUB Sharda organized the event Bizzgrow’ 23 to connect the new entrepreneurs in new and emerging technologies. This event opened the startups with unique ideas in agriculture, healthcare, environment, smart cities, assistive devices, drones, EVs.

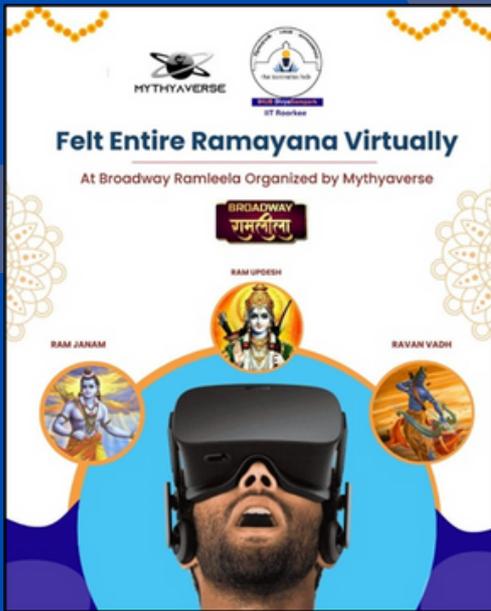
TechXR Innovations Pvt. Ltd., the Startup of iHUB DivyaSampark has received two out of ten Awards from the renowned and Asia's biggest event, India Mobile Congress (IMC) 2023 #IncredibleIndia.



One of our startups had the opportunity to be part of the most prominent tech event ever. The event was organized by GITEX GLOBAL Largest Tech & Startup Show in the World, which is one of the most influential technology companies in the Middle East. Spirinova Technologies: Revolutionizing with Generative AI, who started their journey in 2022 and reached 1 crore revenue in the first nine months of operations.

Being a part of a game-changing innovation, IDR Doot Mk-1 nano drone, India's first Nano drone. Recognized by Union Minister Dr. Jitender Singh at the "Indian Military Heritage Festival", this versatile drone is set to aid the Indian Army in critical operations. With the ability to identify 80 objects, a lightweight design (200g), 30 minutes of flight time, and a top speed of 80 kmph, this is a milestone worth celebrating.





iHUB DivyaSampark's startup Mythyaverse in collaboration with the Aryan Heritage Foundation in the production of Broadway Ramleela, the utilization of the latest technologies, a three-hour show emerged as divine.

Magnificent 3rd international conference on Unmanned Aerial System in Geomatics (UASG 2023), co-organized by iHUB DivyaSampark at Kuala Lumpur, Malaysia from November 20th to 21 2023. This two-day workshop event is dedicated to UAS technology. This workshop is the sole center for various researchers, stakeholders, scientists, academics, etc. Connect and share ideas for the future and adaptation in the UAV sector.



1st Annual SemiX Summit! Co-organized by iHUB DivyaSampark @ IIT Roorkee and Indian Institute of Technology, Bombay. This event aims to provide the platform to initiate startups, industry-relevant research, customers, and many more.



THE REVOLUTION ON

The Startups in Cyber-Physical to cater the Hilly States. In association with DIT UNIVERSITY and iHUB DivyaSampark

THE REVOLUTION!
iHUB DivyaSampark and DIT University have taken the initiative for the startups and invited them to participate in one of the remarkable event "THE REVOLUTION", to make their dreams come true with emerging technologies in the CPS domain. This event was all about connecting startups to interested investors, curious buyers and stakeholders.

Our very first CSR activity with Vivo India Pvt. Ltd. With NCERT as a Partner. iHUB DivyaSampark, IIT Roorkee has partnered as knowledge partners with vivo India for the vivo Ignite: Technology & Innovation Awards 2023.

राष्ट्रीय शैक्षिक अनुसंधान और प्रशिक्षण परिषद्
National Council of Educational Research & Training

vivo
Ignite
Technology & Innovation Awards

#JoyOfBeingInspired

Inviting young innovators to
submit their prototypes now and win!

Prizes and rewards worth
₹ 30 Lakh+

The advertisement features logos for NCERT, vivo Ignite, and IIT Roorkee. It includes a hashtag #JoyOfBeingInspired and an illustration of a person using a microscope.



One of our supported startups Evigway Technologies Pvt. Ltd. has successfully completed the MoU signings with INSPACE, Dept of Space, and the Govt of India for the programs with ISRO.



Dtown Robotics, a startup supported by iHUB DivyaSampark, gained recent recognition on an Amazon Prime reality show as they strive to secure a spot in the Top 10 in "Mission Start-अब." based on entrepreneurs and their wonderful journey of profound passion for contributing to their nation, making their journey an inspiring tale for numerous individuals

Unveiled our collaboration on the main stage at AISS by joining hands with DSCI to give a boost to the capabilities in cybersecurity and technical innovations capabilities in the nation. N-CoE, a joint initiative between DSCI and MeitY, aims to accelerate cybersecurity technology development and entrepreneurship in India. This year, we're setting up dedicated pods at AISS to showcase the country's vibrant startup ecosystem to high-profile stakeholders.



Weeklong workshop on FDP on Machine Learning with Special Focus on Electroencephalography Kicks Off at Bhaderwah Campus

IT CORRESPONDENT
BHADERWAH, DEC.

19: Weeklong workshop Faculty Development Program (FDP) on the topic "Machine Learning, Theory, and Application with a Special Focus on Electroencephalography, Document, and Sign Gestures Analysis." Organized by the Department of Computer Science and Information Technology Bhaderwah Campus, University of Jammu, in collaboration with HRDC centre, University of Jammu, iHUB Divya Sampark, IIT Roorkee & LTU Sweden commenced here today. The FDP is scheduled to take place from December 19th to December 23rd, 2023.

Prof. Umesh Rai, Vice Chancellor of the University of Jammu, in his message extended his best wishes to Bhaderwah Campus, particularly appreciating Department of Computer Science & IT, Bhaderwah campus for spearheading the organization of this weeklong workshop.

Prof. Rahul Gupta, Rector of Bhaderwah Campus in his message extending best wishes to the Department of Computer Science and Information Technology. Prof. Rahul Gupta specifically acknowledged faculty of Computer Sciences & IT at Bhaderwah Campus, for their instrumental role in organizing the FDP. The chief guest for the occasion was Harvinder Singh (IAS), Deputy Commissioner Doda, who addressed the august gathering. In his speech, DC Doda congratulated the Vice Chancellor of the University of Jammu for launching the "Design Your Degree" program, a unique initiative that transform the educational scenerios of the UT of JK. He emphasized the importance of women empowerment and commended the efforts of Bhaderwah Campus in host-



Photo by Surinder

tives. "This collaborative effort between Bhaderwah Campus, HRDC Centre JU, LTU Sweden and iHUB Divya Sampark, IIT Roorkee, marks a significant stride in fostering knowledge exchange and advancing research in the field of machine learning," he added.

Prof. Sandeep Pandita, Director HRDC centre in his message extebds his best wishes to the organizers of this workshop especially the department of Computer Sciences & IT

Dr. Jatinder Manhas, the Convener of the FDP, elucidated the objectives of the workshop during the inaugural session. The participants are set to benefit from the expertise of Dr. Rajkumar Saini, who presented a detailed lecture on machine learning theories and applications, with a specific focus on Electroencephalography, document analysis, and sign gestures analysis. Renowned expert Dr. Rajkumar Saini from Lulea University of Technology, Sweden, is serving as the distinguished resource person for the program. The initiative aims to explore the nuances of machine learning, focusing specifically on Electroencephalography (EEG), document analysis, and sign gestures analysis. Dr. Rajkumar Saini, the distinguished resource person,

covering the intricacies of machine learning theories and applications, with a specific focus on Electroencephalography, document analysis, and sign gestures analysis. His expertise and insights are expected to provide a valuable learning experience for the participants.

The weeklong FDP aims to foster a deeper understanding of machine learning concepts and their real-world applications, particularly in the domains of Electroencephalography, document analysis, and sign gestures analysis. The organizers express their gratitude to Dr. Rajkumar Saini, all the participants, and the esteemed guests for making this event possible. Dr. Abid Sarwar from the department of Computer Science and IT presented formal vote of thanks.

Present on the occasion include Dr. Neeraj Sharma, Dr. Subash Chander, Dr. Rakesh Sharma, Dr. Sunil Bhardwaj, Dr. Shayan Javed, Dr. Cherring Tandop, Mujeeb Shekh, Dr. Rohit Bhagat, Dr. Ajay Lakhnotra, Dr. Neeraj Kumar, Dr. Ashok Sharma SHO Bhaderwah Amrit Katoch, Mr. Wasim Akram, Ms. Shallu Kotwal, Abrar Ali Sheikh, Miss Priya Rani, Yaseer Ali, Parvesh Singh members from non-teaching department, officials from police and civil administra-

iHUB Bhaderwah Campus has shared a remarkable growth and development happening at our spoke, focusing on empowering women in remote and hilly areas. They hosted a one-week (19-23 December 2023) Faculty Development Program at the Bhaderwah Campus, University of Jammu, making strides in knowledge exchange and advancing research in machine learning. This program, with a special emphasis on women's empowerment, has garnered great media outreach, expanding our reach to more people.

iHUB DivyaSampark exhibited the latest innovations and interacted with students in "Empowering India: Nurturing Education, Innovation and Cultural Legacy" organized by IIT Roorkee on 24th Nov 23.



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