

DIRECTOR'S REPORT

Indian Institute of Technology (IIT) Bhubaneswar Research and Entrepreneurship Park was incorporated on 12 October 2017 as a section-8 (not for profit) company and was registered with the Registrar of Companies (Roc), Cuttack. It's registered office is at Samantapuri campus of IIT Bhubaneswar, Bhubaneswar, Khurda, Odisha 751013 . The prime objective of this Company is to promote entrepreneurship, research and start-up activities. Such a Section-8 Company will also help IIT Bhubaneswar in R&D Projects to receive grants under various Government schemes promoting entrepreneurship, research and start-up activities. Eventually the park will operate within the permanent campus of the IIT where 70 acres space has already been earmarked for the Company.

Since incorporation the governance of the company is vested on BoD headed by Prof. R. V. Raja Kumar, Director, IIT Bhubaneswar as chairman and two other directors Prof. R. K. Panda, Dean R&D, IIT Bhubaneswar, and Dr. Yogesh Bhumkar, PIC Start-up Centre, IIT Bhubaneswar. But from 27th April 2022 the governance of the Company is vested on the Board of Directors (BoD) headed by Prof. Sujit Roy, Dean R&D IIT Bhubaneswar as the chairman, Dr. Debi Prosad Dogra, PIC Start-up centre IIT Bhubaneswar as director. From 10th August 2022 Mrs. Purabee Purnasha Mishra has joined as CEO of the company.

The Company emphasized on promoting entrepreneurship and innovation not only in the state of Odisha but also in the surrounding states. There are numerous colleges and universities in Odisha and nearby states offering various courses, such as engineering, science, and agricultures, to their students. Therefore, a rich pool of talent is available in and around IIT Bhubaneswar which needs to be tapped for innovation, research, and the entrepreneurship activities. To shape their innovation and promote their entrepreneurship interests, the Company will act as a noble Centre.

A Centre of Excellence on 'Virtual and Augmented Reality' tasked with incubating start-ups and fostering high-ends, futuristic research, has started functioning at the IIT Bhubaneswar Research and Entrepreneurship Park. Setting-up of the incubator on virtual and Augmented Reality at IIT Bhubaneswar is a landmark initiative in promoting research, technology incubation and product development in the country. The centre will be one of its kind in the country to be set up by collaborative research.

The Odisha MSME (Micro, small & medium Enterprises) Department signed a memorandum of undertakings (MoU) with IIT Bhubaneswar. Software Technology Parks of India (STIP) and Mrs. Susmita Bagchi, noted Odia writer and wife of Mr. Subroto Bagchi, Chairman of Odisha Skill Development Authority (OSDA) had too contribute Rs. 2.50 crore each to make the Company functional and fulfill its objectives.

During the financial year 2017-18, the Company received Rs. 5 crore as a contribution from the Government of Odisha and from an individual interested in promoting such activities (Ms Susmita Bagchi) to set up a centre of Excellence on 'virtual augmented Reality' as indicated below:

- | | | |
|------|-------------------|--------------------------------|
| (i) | Ms Susmita Bagchi | Rs. 2.50 crores (October 2017) |
| (ii) | Govt. of Odisha | Rs. 2.50 crores (January 2018) |

IIT BHUBANESWAR RESEARCH AND ENTREPRENEURSHIP PARK

The centre of Excellence on Virtual and Augmented reality is undertaking state-of-the-art research and developing test facility/laboratories for advanced algorithms, applications and methods in aid of Virtual and Augmented Reality for immersive visualization and allied areas. It is also offer highly focused courses on augmented reality (AR) and virtual reality (VR) to the students. That apart, the centre would help in developing application platforms for specific skill development programmes based on industry need relevance. The centre will be a state-of-art incubator for the benefit of the start-ups, researches, and faculty and building entrepreneurs. It will leverage a high-performance computing facility available at IIT Bhubaneswar and faculty resources for research and applications in the areas including AR/VR and other allied areas. IIT Bhubaneswar will encourage its highly talented faculty and student resources to participate in carrying research, incubate technologies and take to entrepreneurship in AR/VR and related areas promoted by the Company.

Entrepreneurial activities:

- The IIT Bhubaneswar Start-up Centre was inaugurated on 20 June 2016 by the Director, IIT Bhubaneswar.
- The institute has earmarked more than 50,000 sq. ft. area for the start-up centre.
- Invitation for opening start-ups and relevant application forms are uploaded on the Institute Website and are also sent to various colleges/ universities/ industrial enterprises in and around the State of Odisha which includes Andhra Pradesh, West Bengal, Jharkhand, Chhattisgarh etc.
- Advertisements regarding invitation for opening start-ups are also sent to leading newspapers.
- Villa mart, one of the promising start-up incubated in the IIT Bhubaneswar's start-up centre has made it to the top 10 list of social enterprises at the sixth edition of Tata Social Enterprise Challenge (TSEC). Currently, operational in Nayagarh District, Villa Mart provides a mobile market place besides making available around 260 items of vegetables, grocery and other essential commodities for the villagers at their door steps.

Activities of some of the start-ups:

Government of India has initiated the start-up India program to rebuild the innovation ecosystem in India. India Institute of Technology Bhubaneswar has been participating in this program in a spirited way. With the objective of encouraging students to take up entrepreneurship, the institute has established an in-house technology incubator and start-up centre, as a part of well thought of incubation-cum-entrepreneurial eco-system. The aim of IIT Bhubaneswar Start-up Centre is to identify and nurture good innovations by way of encouraging them to open start-ups and provide technical, financial, marketing and legal support to incubate their ideas. The IIT Bhubaneswar Start-up Centre has more than 50,000 square feet of space available for start-ups and is mentored by eminent faculty members of the Institute and have access to the start-of-art laboratories of the Institute to tinker their innovative ideas. Information about some of the young entrepreneurs of IIT Bhubaneswar are mentioned below.

(1) Vasitars Private Limited

IIT BHUBANESWAR RESEARCH AND ENTREPRENEURSHIP PARK

As an outcome of the Research work carried during undergraduate years on composites, Mr. Vishwas Chandra Khan along with few other alumni of IIT Bhubaneswar, started a company "Vasitars Private Limited" for providing a quality and economical solution to the oil and gas companies for solving pipeline repair problems.

Vasitars Private Limited is a technology-based company. The company is governed by faculty members of Indian Institute of Technology (IIT) and industry experts from diverse background in pipeline technology. Company claims to be the first Indian company to provide "Complete in-situ Composite Repair Solution" to all kind of damage scenarios in transmission pipeline by using their Patent Registered innovation "Nano Filler Reinforced Polymer Composite wrap to Repair Corroded Pipelines". Company's products are designed to provide structural reinforcement, leak repair and corrosion prevention for pipeline and industrial pipe-works. In the similar line, company has completed few projects with IOCL Paradip, IOCL Faridabad, Tata Steel Jamshedpur, Tata Power, BPCL, Mumbai Port Trust, ONGC Karaikal, Water Resources Department, Govt. of Odisha etc. Various clients have appreciated and acknowledged work completed by Vasitars Pvt. Ltd.

Vasitars has already partnered with one of the biggest Oil Marketing Companies (OMCs) in India for validating the proof of concept for their product. As the mutual agreement, company is working with the partner OMC for developing the product so that it meets the market requirement and can beat international product on quality and cost. Company received 'National Building Innovators Award 2017' by national Research Development Corporation, Ministry of Science & technology in presence of Honorable President and 'B. K. De Memorial Award' as the best innovative award project, IIT Bhubaneswar. Company was selected for festival of Innovation-2017 & 2018 at Rashtrapati Bhavan and won Innovation and B-plan Competition at IIT Kanpur, IIT Khragpur, XIMB Bhubaneswar & Investor's Drive at E-summit'17, IIT Bhubaneswar. Company was also among finalist in IIGP 2.0, Kalam Innovation. Mr. Vishwas Khan and other members received award on 20th Technology Day, New Delhi.

(2) Machphy Solution Private Limited

Cold chain is major problem in India that leads to major losses and impedes the growth of various sectors of markets. The sectors majorly affected are agricultural & healthcare. Mr. Pradeep Rout along with few others have formed a start-up to provide highly efficient thermoelectric cooling systems which are portable & highly reliable. Products include charge and go facility along with am solar powered a backup for running the system throughout the day. The overall product is intended to be affordable than complementary items available in the market, have minimal running cost and has an added advantage of being eco-friendly with a minimal maintenance requirement.

Solution provided by the start-up is unique in terms of the used refrigeration technology and the customization provided to customers. Product does not use any compressor or harmful refrigerant to cool down the system, rather solid state refrigeration technique are as used for having compact, extremely reliable cooling system with a low maintenance cost. In absence of battery power the freezer depends on solar power, making its sustainable and eco friendly. Start-up has also designed the cool box for transporting vaccine which can maintained temperature preciously and provided sufficient back-up power to transport. Developed technology is useful to the farmers and fisher man on their site operation.

IIT BHUBANESWAR RESEARCH AND ENTREPRENEURSHIP PARK

At present, start-up has been incubated at the Technology Incubator centre, IIT Bhubaneswar and has a direct customer base of 80+ customers in the state of Odisha, Bihar, Jharkhand and Chattisgarh and indirect customer base 400+ customers in India. Start-up has received initially funding for photo type development from IIT Bhubaneswar along with a technological mentorship and access to laboratories. Start-up has been benefitted by the Government initiative such as start-up India program, Start-up Odisha program and Create Indo-Israel forum (IELTA training program).

(3) **METFO**

Mr. Santosh Sahoo along with few other started a company "METFO" which is associated with a batch production of high quality metal foams with variables porosity using hybridization of powder metallurgy and space holders. In recent years, meta foams have emerged as a popular cutting edge material for thermal, structural and energy storage. However, poor quality of production and cost factors seems to be the main reason for its limited acceptance. Start-up aims at provide high quality metal foam at a significantly reduced cost using hybrid technology. It is expected that the metal foam produced by the start-up will be very useful and reduce the gap between academic innovation and industrial requirements.

(4) **SakRobotix**

SakRobotix is an Indian startup at startup Centre, IIT Bhubaneswar that designs, develop, research, and sell Robots, Robotics DIY KIT, Robotics toys, and offer online robotics education. The company's hardware product includes 35 different Robotics DIY (Do it yourself) learning kit, the robotics teddy bear, the stair climbing robot and teaching robot. SakRobotix's Education platform Gyanx is an open robotics learning platform with unique robotics application oriented courses. "SakRobotix Research Centre" across premium institute/university as an Industry institute Partnership Program where the company focuses on engaging students into robotics product development and produces outcome as product with patent.

(5) **CompositeS-2D**

CompositeS 2D deals with carbon based composite materials (e.g. fiber or nanotube or graphene) for thermal management of electronic components such as LEDs, or microchips etc. The primary focus here to manufacture and test the thermal interface materials (TIM)/heat spreader for the market which needs better conductive (thermal) materials with time. The unique microstructure of Carbon fiber or nonotube has been exploited here while making the composites for planar or 3D structures. Future line of work would be focused on new application area such as composite tiles for roof to reduce the indoor temperature using waste plastic. Carbon fiber filaments for 3-D printing would be another area of thermal management of electric/battery driven vehicles where design and implementation will be priority.

(6) **Oceanfront Tech LLP (Wedium)**

IIT BHUBANESWAR RESEARCH AND ENTREPRENEURSHIP PARK

In the current scenario it is understood that how crucial the wedding is. Wedium checks the background of each and every service professional and their experience in the field, if they could deliver according to the standards set by Wedium. The technology is to keep customers informed in real time basis.

(7) Modern Acres India Pvt Ltd

Energy is precious and must be well organized for the future. The main objective of the company is to provide the lowest-cost power solution in India. Its mission is to make the homes and farms energy efficient and automated. Since the inception, the company has achieved a substantial reduction in total solar project cost, which includes a significant decrease in the balance of solar systems cost, which is possible through its value engineering, design, and procurement efforts.

(8) Archon Motors Pvt Ltd

The word Archon represents "Leader". An idea of an advanced electric mobility solution and to be the game changer in the EV ecosystem which is formed in 2015 to build its first prototype project which eventually got famed in various platforms. Convinced with the outcome and extensive research the company is determined to revolutionize the industry by providing the product to the consumers with the touch of traditional aspects. It believes in future-oriented technology and work on it to build a better tomorrow by changing a bit today.



Archon Motors and its team during presentation at Start-Up Odisha Conclave 2022

Various Programs and Facilities conducted by IIT REP

VARCoE, IIT Bhubaneswar Research and Entrepreneurship Park

IIT BHUBANESWAR RESEARCH AND ENTREPRENEURSHIP PARK

Virtual and Augmented Reality Centre of excellence is operational since 2018. Virtual Reality and Augmented Reality (VR and AR) have massive innovation potential across a wide range of industries and research fields. This research and innovation are currently used across a range of industries including – product and skill development, Health and medical science, art and architecture, transport, construction, tourism, entertainment, education, and productivity software. At present VARCoE is having 10-in house socio-economical relevant ARVR projects. These projects are in different stages of developments. For achieving goals of such great magnitude Government of Odisha, STPI, Philanthropists like Shri Subroto Bagchi and Mrs. Susmita Bagchi and IIT Bhubaneswar REP have come together to start this Centre of Excellence in ARVR (VARCoE). Few glimpses of SDARVR-2022 program conducted by IIT BBSR Research and Entrepreneurship Park.



The screenshot shows the website for the SDARVR-2022 program. The navigation menu includes: HOME, PARTICIPANTS, TOPICS, OBJECTIVES, PROGRAM SCHEDULE, IMPORTANT DATES, VENUE, and CONTACT. The main heading is "Skill Development on Augmented and Virtual Reality (SDARVR-2022)". Below it, the dates are "May 13-14, 2022. Timing: 09:30 AM-05:30 PM". The venue is "VARCoE, School of Electrical Sciences, IIT Bhubaneswar". It is organized by "Indian Institute of Technology Bhubaneswar". A prominent orange button says "REGISTER FOR FREE". The background features a futuristic, glowing interface with a hand interacting with a virtual globe.



Conclave and Hackathon on Virtual and Augmented Reality (AR/VR)

10thJan,2020

IIT BHUBANESWAR RESEARCH AND ENTREPRENEURSHIP PARK

IIT Bhubaneswar Research and Entrepreneurship Park in association with Software Technology Parks of India (STPI), and Govt. of Odisha is holding a Conclave on Hackathon on Virtual and Augmented Reality was inaugurated on 10th-12th Jan 2020 at IIT campus. The inaugural ceremony of the three days Conclave and Hackathon is inaugurated on above date where Shri. Omkar Rai, DG, STPI graced as the Chief Guest, Shri Manoj Kumar Mishra, IRTS, Secretary, E & IT Department, Govt. of Odisha as Guest of Honour and Prof. R.V. Raja Kumar, Director, IIT Bhubaneswar presided over.



Prof. R.V. Raja Kumar, Director, IIT Bhubaneswar during his inaugural address emphasized the importance of new age technologies such as Augmented Reality (AR) and Virtual Reality (VR), Artificial Intelligence (AI), Internet of things (IOT) and 5G communication are the current trends in IT, where systems are being developed to incorporate these and are important in realizing the Digital India dream, today. He said that the Hackathon is conceptualized to encourage creativity and technology development amongst the engineering students across the country, in AR-VR. He also briefed about the research activity taking place in the Institute in these core areas. He credited Shri. Narendra Modi, the Hon'ble Prime Minister of India for popularizing and providing momentum to the concept of Digital India among the masses. He also acknowledged the philanthropic support from Smt. Susmita Bagchi, Shri. Subroto Bagchi, Odisha Skill Development Authority, MSME department of the Govt. of Odisha, STPI for joining hands together with IIT Bhubaneswar for creation of Center of Excellence in AR-VR (VARCoE) at the institute.

Thus, the goal of the conclave and hackathon is to gather people with different backgrounds and experiences to work together in teams and create disruptive and inspiring products/solutions for use in every field of imagination in the AR/VR domain. Also present on the occasion were Prof. P.K Sahu, Professor-in-charge, VARCoE, Prof. M. Sabarimalai Manikandan Organizing Committee Member, VARCoE, IIT Bhubaneswar, Mr. Manas Panda, Director, STPI Bhubaneswar and Mr. Prasant Biswal, Evangelist, Startup Odisha Secretariat, IEDO, Bhubaneswar. The inaugural ceremony ended with vote of thanks.

The Conclave and Hackathon includes several guest talks, interactive sessions, workshops by student teams. Some of the esteemed speakers during the three day conclave include talks by Dr. Pradipta Biswas, IISc Bangalore, Dr. Kaushal Kumar Bhagat, CET, IIT Kharagpur,

IIT BHUBANESWAR RESEARCH AND ENTREPRENEURSHIP PARK

Prof. Rajesh M. Hedge, IIT Kanpur, Dr. Shiva Ji, IIT Hyderabad and Dr. Subroto Bagchi, Chairman Odisha Skill Development Authority. The talks and sessions will be followed by award ceremony.

Valedictory Ceremony of AR/VR Conclave and Hackathon

IIT Bhubaneswar Research and Entrepreneurship Park successfully conducted the three days conclave on AR/VR Conclave and Hackathon at IIT Bhubaneswar in association with Software Technology Parks of India (STPI), Govt. of Odisha with a sense of style and grandeur. The valedictory ceremony had an interesting talk by Shri. Subroto Bagchi, Chairman, Odisha Skill Development Authority, Govt. of Odisha. The valedictory ceremony of this three days event was held on today with Shri. Subroto Bagchi, Chairman, Odisha Skill Development Authority, Govt. of Odisha gracing as the Chief Guest, Smt. Susmita Bagchi, as Guest of Honour and Prof. R.V. Raja Kumar, Director, IIT Bhubaneswar presided over.



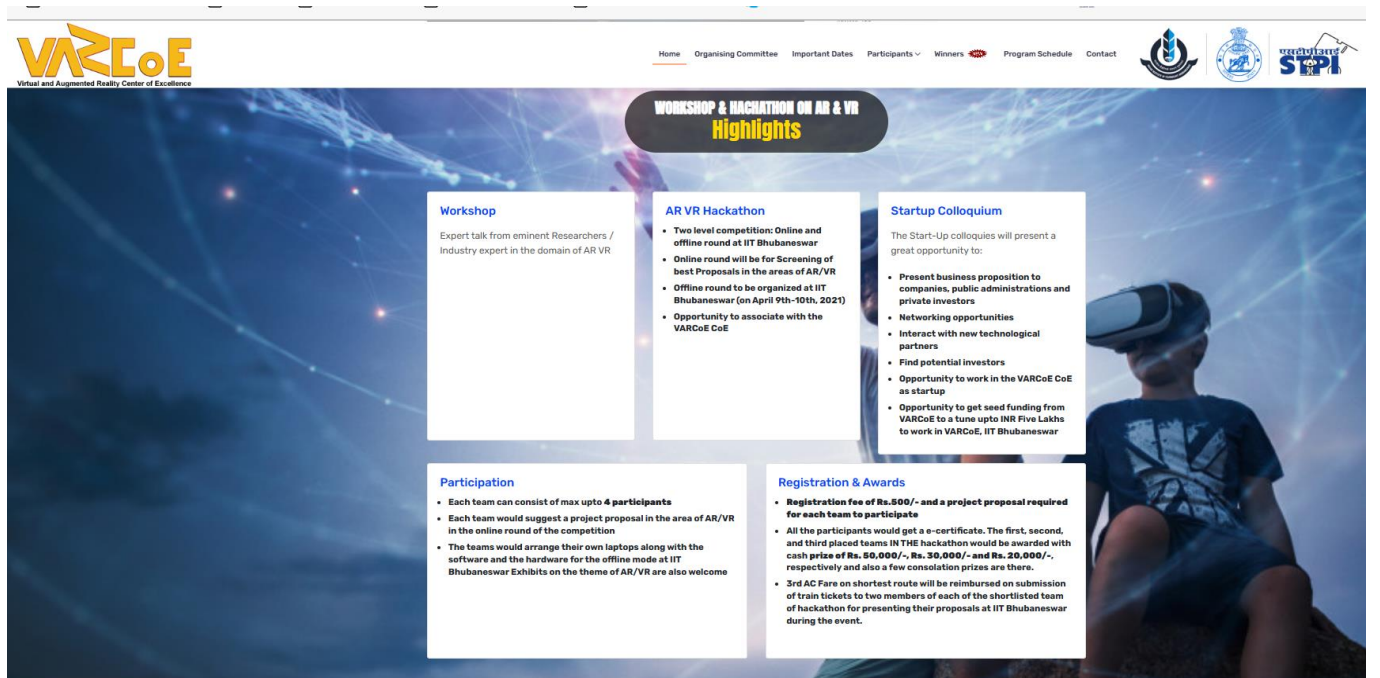
Shri Subroto Bagchi, Chairman, Skill Development Authority gave thought provoking and an inspiring talk by citing real life examples to the participants and encouraged them to take up activities in the field of AR/VR.

The valedictory ceremony was followed by award distribution by Smt. Susmita Bagchi who handed over the awards to the winners of the AR/VR Conclave and Hackathon in presence of the dignitaries. The two best teams who got the cash award of H50,000 and H25,000 were Learn-O-Little team (Neha Tuli, Gurwinder Singh, ShivamDhall) and AR Hub (Rahul Talukdar, Kumar Utkarsh, Yelchuri Venkata Sai Subhha, Sushant Shukla) respectively. Also present at the event were Dr.P.K. Sahu, Professor-in-charge, VARCoE, Prof. Ashok Panda, and Dr. Soumya Prakash Dash, Coordinator of the event along with Col (Dr.) Subodh Kumar, Registrar, IIT Bhubaneswar.

Workshop and Hackathon on Virtual and Augmented Reality (AR/VR)

10th April, 2021

The 2nd Edition of WAVR is held at IIT Bhubaneswar, India on 9th -10th April 2021. This workshop includes Expert keynote talks, Hackathon on ARVR, and Startup colloquia. Original contribution from researchers/startup describing their work addressing the state-of-the-art research on the design and development of ARVR Applications are invited.



VARCOE
Virtual and Augmented Reality Center of Excellence

Home Organising Committee Important Dates Participants **Winners** Program Schedule Contact

WORKSHOP & HACKATHON ON AR & VR Highlights

Workshop

Expert talk from eminent Researchers / Industry expert in the domain of AR VR

AR VR Hackathon

- Two level competition: Online and offline round at IIT Bhubaneswar
- Online round will be for Screening of best Proposals in the areas of AR/VR
- Offline round to be organized at IIT Bhubaneswar (on April 9th -10th, 2021)
- Opportunity to associate with the VARCOE CoE

Startup Colloquium

The Start-Up colloquies will present a great opportunity to:

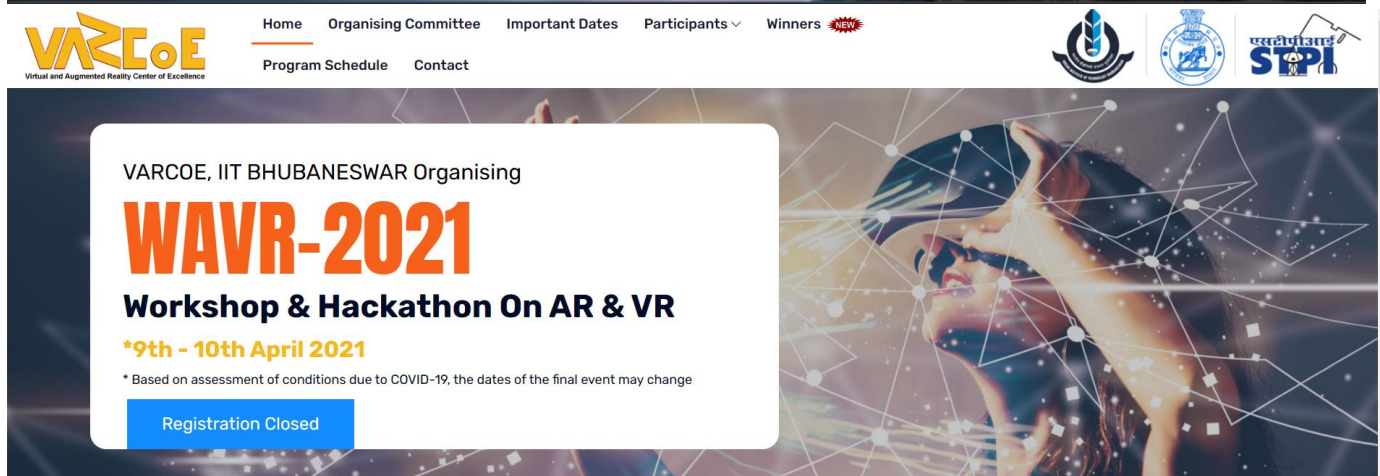
- Present business proposition to companies, public administrations and private investors
- Networking opportunities
- Interact with new technological partners
- Find potential investors
- Opportunity to work in the VARCOE CoE as startup
- Opportunity to get seed funding from VARCOE to a tune upto INR Five Lakhs to work in VARCOE, IIT Bhubaneswar

Participation

- Each team can consist of max upto 4 participants
- Each team would suggest a project proposal in the area of AR/VR in the online round of the competition
- The teams would arrange their own laptops along with the software and the hardware for the offline mode at IIT Bhubaneswar Exhibits on the theme of AR/VR are also welcome

Registration & Awards

- Registration fee of Rs.500/- and a project proposal required for each team to participate
- All the participants would get a e-certificate. The first, second, and third placed teams IN THE hackathon would be awarded with cash prize of Rs. 50,000/-, Rs. 30,000/- and Rs. 20,000/-, respectively and also a few consolation prizes are there.
- 3rd AC Fare on shortest route will be reimbursed on submission of train tickets to two members of each of the shortlisted team of hackathon for presenting their proposals at IIT Bhubaneswar during the event.



VARCOE
Virtual and Augmented Reality Center of Excellence

Home Organising Committee Important Dates Participants **Winners** Program Schedule Contact

VARCOE, IIT BHUBANESWAR Organising

WAVR-2021

Workshop & Hackathon On AR & VR

***9th - 10th April 2021**

* Based on assessment of conditions due to COVID-19, the dates of the final event may change

Registration Closed

List of winners:

1. 1st Prize: Rs.50,000/- lead by Mr. Vivek Gorrepati(IIT Hyderabad)
2. 2nd Prize: Rs. 30,000/- Mr. Pradyuman Varma (KIIT University)
3. 3rd Prize: Rs.20,000 Mr. Sanket Mohanty (Defence Institute of Advanced Technology).
4. Consolation prize of Rs. 10,000 was awarded to Mr. Aditya Yelikar (University of Mumbai).



Motivation and Outcome of the Hackathon on ARVR

- The motivation of the hackathon event on AR & VR is to give a chance for specialists from various fields interested in experimenting and executing their ideas using VR and AR technologies.
- Participants with the background similar to that of a developer, 3D artist, designer, visionary, engineer or creator with the urge to push forward and develop relevant ideas in the area will be encouraged to participate as a team.
- The goal of the event is to gather people with different backgrounds and experiences to work together in teams and create disruptive and inspiring products/solutions for use in every field of imagination in the AR/VR domain.

Open Challenge Program On ARVR

Virtual and Augmented Reality Centre of Excellence (VARCoE), IIT Bhubaneswar Research and Entrepreneurship Park invites applications for start-up on boarding. This 1st Open Call will support 20 best submissions led and executed by start-ups, actively involved in research, development, and application activities related to ARVR. The selected projects should have potential to entail a substantial advance in the state of the art, delivering new services with potential to improve the solutions based on ARVR and ability to reach the market in the short run. The selected team have to submit a Lol (Letter of intent) and have to sign a set of documents describing the terms of financial support and frequency of fund release mapped to the deliverables and mile stones. Rs. 51 lakh support is given to those start-ups who can achieve the milestones.



The banner features a background image of a person wearing a VR headset, with mathematical formulas and a building in the background. The text on the banner includes:

- Indian Institute of Technology Bhubaneswar
- VARCoE Virtual and Augmented Reality Center of Excellence
- Navigation: HOME, RESULTS, ORGANISING COMMITTEE, IMPORTANT DATES, PROGRAM SCHEDULE, SELECTION PROCEDURE, SHORTLISTED PROPOSALS, CONTACT
- IIT Bhubaneswar organising**
- Open Challenge**
- Program on AR VR**
- 1st Call for Proposals for Start-ups to facilitate the development of Augmented and Virtual reality based solutions.
- Last Date of Submission: 26th January 2022
- 11th Feb 2022
- REGISTRATION CLOSED
- In association with: MeitY Government of India, Startup Odisha, STPI, and IIT Bhubaneswar logo.

The open call is divided into four participation tracks.

Track 1: An augmented reality platform for medical planning

Track 2: Augmented and Virtual reality platform for tourism

Track 3: Augmented and Virtual Reality in cultural heritage

Track 4: Augmented and Virtual Reality in education and skilling

Incubation Support Program

IIT Bhubaneswar Research and Entrepreneurship Park (IIT BBS REP) with its objective to provide platform to incubate the start-up companies and promote technology based entrepreneurship have call for application from start-up companies for incubation in the field of AR/VR. It is hosted on the website and open for receiving application for 31 days which start on 15th July 2022 and ends on 10th Aug 2022.



The advertisement features a dark blue background with logos for IIT Bhubaneswar, VAREoE, and REP at the top. The central text is in large, bold, yellow and cyan fonts. At the bottom, there are two columns of text providing the application deadline and contact information, and a prominent yellow button with black text.

CALL FOR APPLICATIONS
FOR
**INCUBATION IN
AUGEMENTED REALITY AND
VIRTUAL REALITY (ARVR)**

LAST DATE OF APPLICATION **10TH AUG 2022** FOR QUERIES REACH US AT **7978120292**

CLICK HERE TO APPLY

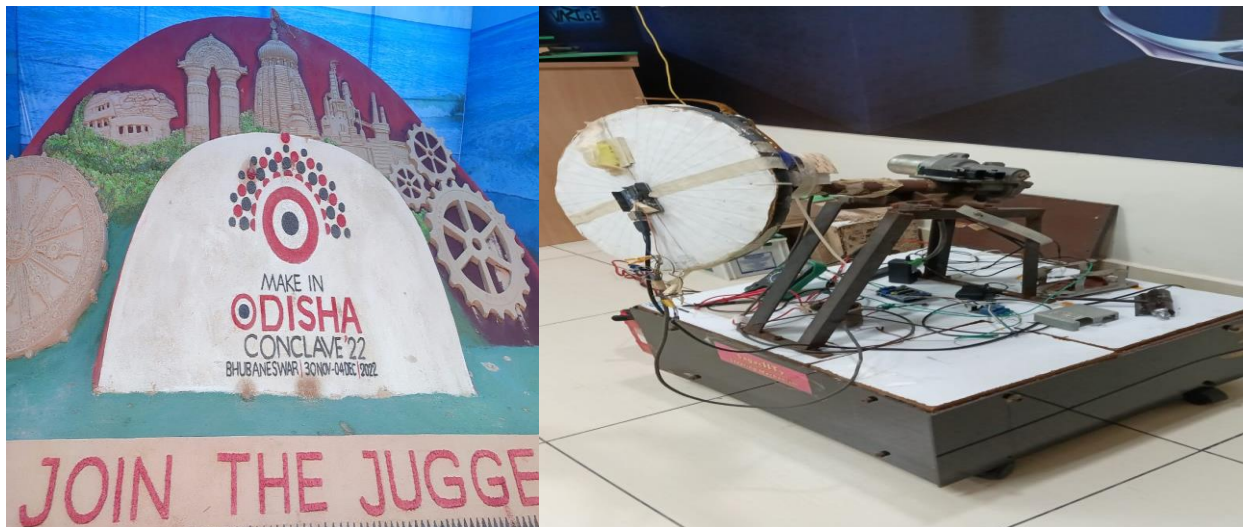
Accelerator Program with Local BCE; Startup Interface

IIT REP conducted an event to promote Odisha startups for investment opportunities from local entrepreneurs and get feedback from the business community on business model and also tips to excel.



Make In Odisha Conclave

IITBBS REP with their motivated team, students and faculty of IIT Bhubaneswar have participated in Make in Odisha Conclave (MIO-2022). We assist our participants by supporting them with all operational and financial requirements of startups related to deep technology. As a result of this participation one of our participant has received a bulk order of 30 Motors.



Coffee Break

Coffee break is a regular event conducted by IIT BBSR REP in association with “Mystartup yatra”, to discuss issues and learn from each other among startups founders.



Open Challenge program on AR & VR (OCPARVR 2.0)

We conduct some workshop on ARVR through the event OCPARVR 2.0. It is an open challenge to judge the ideas in AR & VR domain. We are planning on conducting more program based on the response from this session program. Through this program we provide incubation opportunities to selected startups and also provide Prize money to participants. Three days OCPARVR 2.0 held from 3rd February 2023 to 5th February 2023 in IIT Bhubaneswar, at conference room 103 in School of electric sciences was attended and participated by Students, innovators across India. The three days event hosted by VARCoE, VR AR Centre of Excellence is an annual open challenge in ARVR domain, to encourage innovators form startups. OCPARVR 2.0 received 45 application and 29 were shortlisted on the criteria of technical feasibility and scalability. Eventually all the 29 participants were invited to present their ideas and were evaluated by team of jury, who evaluated them on the various criteria

COINCUBATION

IIT BHUBANESWAR RESEARCH AND ENTREPRENEURSHIP PARK

Co-incubation enables startups to use resources from both organization in terms of mentorship and reach market and other lab facilities. In this initiative IIT Bhubaneswar Research and Entrepreneurship Park is signing mou with all premier incubation centres and labs to help the startups.

(1) MOU with IIT Kanpur

MOU signing with IIT Kanpur for Co incubation for startups who can benefit of the mentors and other facilities which is shared by both the premier institutes.



(2) Meeting with IIM Bangalore

Meeting with Incubation manager at IIM Bangalore to discuss regarding Co incubation and VARCoE labortory at IIT Bhubaneswar REP to be shared with all startups in ARVR domain.



(3) Meeting with IIM Sambalpur

IIT BHUBANESWAR RESEARCH AND ENTREPRENEURSHIP PARK

Meeting IIM Sambalpur Director Dr. Mahadeo Jaiswal in regards of Co incubation and mentorship collaboration with IIT BBS REP as IIM Sambalpur.



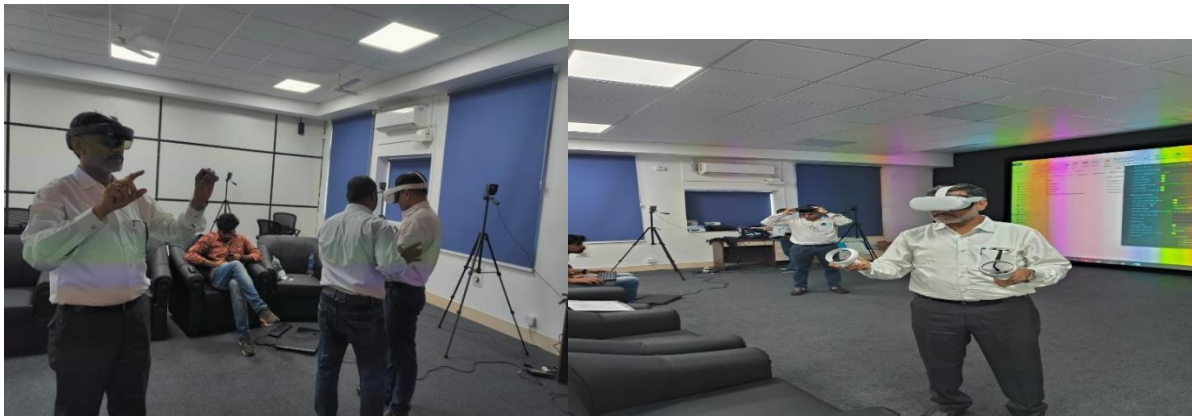
National Startup Conclave 2022

Participation by IIT BBS REP startups to pitch in National Conclave in IIC Delhi conducted by OCF where 175 startups were evaluated by IIM Sambalpur of which 20 startups was selected to pitch. We with our Incubates have participate at the events and successfully deliver our ideas through our products.



VARCoE Labrotory

The VARCoE laboratory is setup with an *estimated price of 1.70 Crore* for usage by the startups, students and research scholar to learn the ARVR and use it to provide solutions in Industry problems. The center is intended to span a wide spectrum of disciplines with particular emphasis on interaction technologies including virtual, augmented and mixed reality as well as mobile computing, epigenetic and evolutionary robotics, and haptic communication. The center will engage in research, teaching and services for developing advanced methods and algorithms for near-real 3D user interfaces and exploratory data analysis in virtual environments. Emphasis will also be laid on application-driven, interdisciplinary research in collaboration with all the reputed institutions worldwide, and partners from industry, covering fields like defense, simulation science, production technology, product development, neuroscience, architecture, and medicine.



The LAB was inaugurated by Shri Dharmendra Pradhan, Honorable Education Minister, Govt. of India on 09 June, 2023 at 2.30 PM.



Startup Boost Camp

We conducted Startup Boost Camp which is a program designed to help startups accelerate their growth and increase their chances of success. The program typically involved a structured curriculum of workshops, mentorship, and networking opportunities. Some outcomes that startups experienced after participating in our Startup Boost Camp:

Clarified business model: Through the program, startups gain a better understanding of their target market, competitive landscape, and unique value proposition. This helps them clarify and refine their business model to better meet the needs of their customers.

Improved pitch: Startups learned how to effectively pitch their business to potential investors, customers, and partners. This helps them better communicate the value of their product or service and increase their chances of securing funding or partnerships.

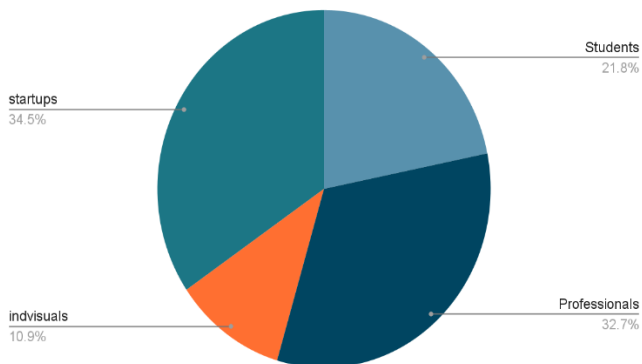
Expanded network: Through the program, startups had the opportunity to connect with mentors, investors, and other entrepreneurs in their industry. This helps them build relationships that may lead to potential partnerships, funding opportunities, or other benefits.

Enhanced skills: Startups improved their skills in areas such as product development, sales and marketing, and financial management through the program's workshops and mentorship opportunities. This helps them better execute their business plan and increase their chances of success.

Increased confidence: By participating in the program, startups gain increased confidence in their ability to succeed. This is particularly valued for early-stage startups who are still working to establish themselves in the market.



Participants



No. of participants: 70+

Outreach Program at GIFT

We have conducted Augmented Reality in inclusive education and entrepreneurship development program in Gandhi Institute For Technology on 13th April 2023. More than 150 students participated along with all faculty from engineering and management courses. It was an interactive session followed by one on one interaction with student and faculty after which they visited our VARCoE Labrotory next week.



Outreach Program at Nimapada Autonomous College

We have conducted Augmented Reality in inclusive education and entrepreneurship development program in Nimapada Autonomous college on 10th June 2023. More than 250 students participated along with all faculty from Science and commerce. It was an interactive session. There was a 1-hour meeting with the Principal of the college and faculty members educating them about innovation, incubation and startup opportunities. After the meeting the Principal formed the Institute Innovation Council in the next day and soon they will be visiting IIT Incubation Centre and VARCoE LAB.

Boot Camp – Arugul High school

The boot camp at Arugul High School in association with IIT Bhubaneswar where IIT students, faculties and REP staff visited Arugul High school and conducted a 3-hour workshop for 9th and 10th class students and a 1-hour workshop with teachers conducted on 11th February 2023. Where each student submitted an idea on how to develop their school. The winners were invited to Wessaire at IIT Bhubaneswar which was conducted on 12th March 2023.

Boot Camp – Cohen International School

The boot Camp at Cohen International School in association with E-Cell of IIT Bhubaneswar where IIT students, Faculties and REP staff visited Cohen International School and conducted 2 hours work shop for 11th and 12th Class student. We have conducted DEMO of some Start-up's Products.

G20 Participation

Skill Development Conclave at Kalinga Stadium

Oil India Workshop on emerging technology and entrepreneurship

IDE Boot Camp

IIT Bhubaneswar is hosted the 5-day "Innovation Design and Entrepreneurship (IDE)" boot camp organized by AICTE and Ministry of Education's Innovation Cell (MIC). The event was attended by 350 student innovators and faculty members of higher education institutions. IIT Bhubaneswar Research and Entrepreneurship Park, a section-8 company of the institute was managing the event at the IIT Bhubaneswar campus. The IDE boot camp was conceptualized based on the vision of Honorable Prime Minister Shri Narendra Modi ji. It is scheduled in 6 locations -Bhubaneswar, Chennai, Chandigarh, Guwahati, Bhopal and Pune simultaneously during 22-26 June, 2023. The Boot Camp was inaugurated by Shri Dharmendra Pradhan, Honorable Education Minister, Govt. of India on 22 June, 2023 at 4.30 PM in virtual mode.

It was an intensive experiential learning on design thinking, product design, ergonomics, business modeling, and enterprise planning followed by mentoring and pitching rounds. The speakers from wadhvani foundation & "Dr. Santosh Kumar, Professor, Department of Mechanical Engineering, IIT (BHU), Talk by & "Siddhant Sarthak on Reverie Language Technologies & "Ms. Shivani Varshney, Founder-Blissful Space & "Consulatnt, Wadhvani Entrepreneur, WF&"&"Mr Bijay Sahoo, Vice President HR, Chairman's office Reliance Industries&"&"Mr. Shaik Waseem, Sr.Educator, Wadhvani Entrepreneur, WF & "Entrepreneur&"&"WF Nodal officer- Mr.Subhabrata Bhattacharjee&"&"&"Ms. Itishree Panigrahy, Startup Odisha Consultant (Investment & "Outreach),&"&"Mr. Kamalesh Mishra,

IIT BHUBANESWAR RESEARCH AND ENTREPRENEURSHIP PARK

President Seafood Exporters Association of India" Wadhvani foundation was the knowledge partner for the program. The AICTE, MIC and IIT Bhubaneswar have invited experts for sessions and to mentor the innovators.