Annual Report 2020-21

IIC-IIT Hyderabad

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

भारतीय सांकेतिक विज्ञान संस्थ हैदराबाद
भारतीय प्रौद्योगिकी संस्थान हैदराबाद
Indian Institute of Technology Hyderabad

Contents

A. About IIC Institute ***3***

B. Brief mention of key functionaries at the IIC Institute ***3***

C. Portfolio/graphical/Tabular representation of Resource strength (human capital and Physical capital) of the IIC institution ***4***

D. Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind, and Student bodies/clubs engaged in the promotion of Innovation and Entrepreneurship on the campus. ***4***

E. Highlight Achievements (Narrative/Graphical/tabular representation) ***5***

F. Highlight few best IIC Faculty/Student members and their achievements/ Rewarded for the innovations at different forum ***5***

G. Highlight selected best Innovations & images with mention of inventor/innovation name ***7***

H. Highlight selected start-ups established by students/faculties with mention of founder/cofounder name ***8***

I. List if any breakthrough Innovations / Technology Developed at the institute (2-3 technology with 2-3 lines about technology and innovation ***8***

J. Participation of IIC-institute in various programs of Central and State Govt. Highlighting specially for the schemes or programs ***12***

K. Detail of Social Media & Connections of IIC institute ***13***

L. Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell ***13***

M. Images ***17***

N. Contact: ***18***

A. About IIC Institute

- **Vision / Mission of IIC established at the Institute**
  - Identification of the best of ideas and providing them a 'womb' to incubate eventually to transform into a Startup or entrepreneur endeavor.
  - Soliciting an entrepreneur through the application of knowledge and expertise academic as well as industrial.
  - Empowering an idea with all important ingredients and resources aiding its conversion into a successful product or service.
  - Helping entrepreneurs to grow holistically with business acumen.
  - Bring socio-economic change in the country by finding innovative solutions to the daily met problems.
  - Meet once in a quarter to formalize the discussion and keep action points for activities in the coming quarter and regularly update it.

- **Journey of IIC established at the Institute**

  Institute Innovation Council at IIT Hyderabad was initially established in February 2018 with Innovation, IPR, and Entrepreneurship as its 3 pillars. Later in February 2021, the council was reconstituted with 22 Representatives, as per the IIC norms with an appropriate framework designed for its Objectives, Functions, Roles, and Responsibilities. Since then, all the innovation and entrepreneurship-related activities of IIC are strictly implemented by the Council. The IIC meetings were conducted timely with all the representatives of the Council. At IIC at IIT Hyderabad has 29 active members to inculcate the culture of Innovation & Entrepreneurship on campus.

- **Diversified representation in the IIC established at the institute from industry, Interdisciplinary & Departments/ Units, etc.**
  - **Startup / Alumni Entrepreneur**: Mr M Sai Kiran, CEO, Founder (SK IOT)
  - **The expert from nearby Industry / Industry association/ Ecosystem Enabler**: Mr Vinay Chilakapati (CEO, Innomet Advanced Materials Pvt. Ltd.)
  - **FI/ Bank Investor/ Angel Investor/ VC**: Mr Reehan Shaik, Bank Manager, Canara Bank, IITH Branch, Ex-officio
  - **Incubation Centre**: Dr Siva Rama Krishna Vanjari, Faculty-in-Charge, FabCI

B. Brief mention of key functionaries at the IIC Institute

- **President**

  Prof B. S. Murty, Director, IITH
- **Vice President**

  Prof Kiran Kuchi, Dean (R&D), IITH
- **Convenor**

  Prof Kiran Kuchi, Dean (R&D), IITH
- **Coordinators etc.**
  - Innovation Activity Coordinator: Dr Sumohana Channappayya, Former Dean (R&D), IITH
  - Startup Activity Coordinator: Prof S. Surya Kumar, Faculty-in-Charge, Incubation Centre, IITH
  - Internship Coordinator: Dr Abhinav Kumar, Faculty-in-Charge, Office of Career Services
  - IPR coordinator: Dr Pradeep Kumar Yemula, Faculty-in-Charge, IP Cell
  - ARIIA coordinator: Dr Priyotosh Bandyopadhyay, ARIIA Coordinator
  - NIRF coordinator: Prof Vinod Janadhanan, NIRF Coordinator
  - Innovation Ambassador: Prof Deepak John Mathew, Head, Dept. of Design
  - Innovation Ambassador: Dr Mudrika Khandelwal, Associate Professor, Dept. of MSME
  - Entrepreneurship Coordinator: Dr M. P. Ganesh, Head, Entrepreneurship & Management Dept.
  - Innovation Ambassador: Dr Meduri Praveen
  - Innovation Ambassador: Dr Sayak Banerjee

- Innovation Ambassador: Dr Suhanya Duraiswamy
- Social Media Coordinator/ Secretary: Ms Mitalee Agrawal, Public Relations Officer, IITH

C. Portfolio/graphical/Tabular representation of Resource strength (human capital and Physical capital) of the IIC institution

- **Total No. of IIC Members:** 29
- **Total No. of IAs:** 5
- **Total No. of faculty Mentors from Portal:** 17
- **Pre-Incubation Units:** 2
- **Incubation Units:** 3
- **IP Facilitation Unit:** 1

D. Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind, and Student bodies/clubs engaged in the promotion of Innovation and Entrepreneurship on the campus.

Incubators:

i-TIC foundation:
i-TIC Foundation is the Technology Business Incubator (TBI) at IIT Hyderabad. The focus is on creating a supportive and nourishing environment for entrepreneurs. The thrust areas at the Incubator are Artificial Intelligence, Aerospace, Telecommunication, Digital Manufacturing, Chip Design, Sensors, IT, Bio-Medical, Automotive, Advanced Materials, Energy, Flexible Electronics, and Other Emerging Technologies. A few companies that are incubated, related to ICT are SKIoT (IoT), Acausal (Robotics), SenseHealth (Bio-Medical), Osure (Healthcare), and Skelregen (Bio Material). i-TIC provides the necessary facilities to these startup companies, along with guidance and mentoring by the faculty members of IITH and experts from the industry, to develop a robust ecosystem for entrepreneurship.

Center for Healthcare Entrepreneurship:
The Foundation for the Center for Healthcare Entrepreneurship is sponsored by two IIT Bombay alumni and is focused on making universal healthcare a reality. The CfHE program is dedicated to achieving universal healthcare by igniting the spark of entrepreneurship in our youth and providing them with focused training and top-notch mentorship. The Center's objective is to catalyze healthcare innovation to bring about affordable solutions to address the healthcare needs of India. The Center hopes to foster entrepreneurs to deliver a pipeline of cost-efficient solutions, which are increasingly 'commercialized'. NemoCare, BeAble, KvayatMedical, Heamac healthcare, Aerobiosys, VaccineOnWheels.com, and chemioptic Healthcare have incubated to start up their dream idea. They become incubated companies at CfHE and continue to attract support both in terms of mentorship, access to funding opportunities, and physical space in our state-of-the-art IIT Hyderabad location dedicated to the CfHE Incubator.

Fabless Chip Design Incubator:
The Fabless Chip Design Incubator (FabCI) is a flagship program being executed with the support of the Ministry of Electronics and Information Technology (MEITY) and focuses on creating an ecosystem wherein these primary activities get executed for any startup in the area of chip design. The primary motivation for this unique incubator program is to provide a one-stop solution for start-ups focusing on the area of chip design. We want to help incubate multiple "Make-in- India' chip design companies. We aspire to build an ecosystem wherein the incubates are not only provided with the relevant infrastructure hardware and software but also are handheld through the path of success with the help of mentors who are pioneers in this field The grand vision is to leverage the design expertise that exists in India to create Indian IP and to make a mark in chip design internationally.

Technology Research Park:

"IITH Technology Research Park" is an independent Section 8 Company, founded, promoted, and hosted by IIT Hyderabad, governed by a Board of distinguished academicians, faculty of IIT Hyderabad, and industry professionals, to inoculate the idea of innovative Entrepreneurship in collaboration with Research Development. IIT Hyd Research Park is a self-reliant team endorsed by IIT Hyd and its alumni. The IIT Hyd Research Park promotes the betterment of research and development by the institute through friendship with industry, helping in the advancement of modern ventures, and build-up economic development. The IIT Hyd Research Park assists organizations with a research target to set up an infrastructure in the park and advantage of the expertise available at IIT Hyd**.**

Student Clubs:

Scitech Council:

A Science Technology club to provide a platform for technocrats to explore their ideas and bring in new innovations Clubs under Scitech Council.

Entrepreneurship Cell:

The Workshop Series hosted by E-Cell IITH provides an environment for students from various colleges to network, and learn together about the latest developments in different fields of technology.

Megathon is one of the biggest student entrepreneurship hackathons in Hyderabad co-hosted by E-Cell IITH and IIITH which aims to provide a common platform for student entrepreneurs to network, work on innovative solutions and build startups.

E. Highlight Achievements (Narrative/Graphical/tabular representation)

- Number and Different types of I&E and IPR activities Conducted: 24
- No. of student's & faculty ideas generated: 119
- No. of student's & faculty Innovation/prototypes developed: 26
- No. of IPs generated, published, and granted: 26
- No. of Student & Faculty Start-ups/Ventures established: 70
- Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus: Rs. 32,87,022/-
- Amount grant or fund supported to student & Faculty lead Innovations, start-ups, and IPR: Rs. 32,87,022/-
- No. of Technology Transfer and Commercialisation happened: 0

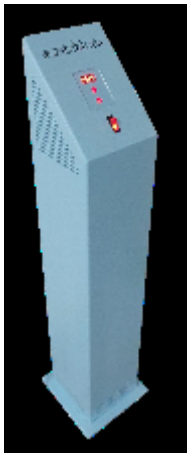
F. Highlight few best IIC Faculty/Student members and their achievements/ Rewarded for the innovations at different forum

[Profile of few faculties with 2-3 lines of their achievements]

Swatchh Air

IIT Hyderabad Students' startup won the Best ten start-up award at the 28th Annual HYSEA Award for Swatchh Air. IITH students' startup IBRUM Technologies co-developed by Mr. Priyabrata Rautray (PhD scholar, Department of Design, IIT Hyderabad) and Mr. Nibedit Dey (former CfHE fellow, IIT Hyderabad) has won the best ten start-up awards (product category) at 28th Annual HYSEA (Hyderabad Software Enterprises Association) Awards for Swatchh Air. The product development was ably guided and supported by Prof. Deepak John Mathew, Head of the Department, Department of Design at IIT Hyderabad.

Swatchh Air is a low-cost air stabilization system that reduces the overall viral load in the air. The solution is a UVGI (Ultraviolet germicidal irradiation) and negative ionization-based system to sterilize rooms with the possible presence of harmful pathogens like COVID-19. Product not only won the Best Ten Start-up award but has also received 1-year associate membership of TiE Hyderabad along with mentoring.



Working Prototype of
Swatchh Air

Showcasing the prototypes to Dean
of Students at IIT Hyderabad

Bio Bricks a sustainable building material

Agricultural waste burning is a significant source of pollution in India, especially after the harvesting season. Bio brick was developed as an alternative and sustainable building material that acts as an alternative to stubble burning. Stubble burning is prevalent in northern India, which not only causes severe air pollution but also lead to numerous temporary and permanent health issues and even loss of lives. Bio bricks or agro-waste-based bricks is one such material that has the potential to not only create an alternative building material but also create new jobs at the grassroots level. This material has good thermal and sound insulation it is breathable and helps in maintaining a comfortable living condition during harsh summer or cold winters.
Following are a few highlights for the project

- Reducing air pollution due to stubble burning
- Improving the income of the farmers
- Sustainable environment
- The inexpensive and local building material for low-cost housing
- Making villages self-sufficient
- Atmanirbhar in building materials

Guard Cabin Design

As a part of the BUILD project to demonstrate the material and its properties, a prototype of the guard cabin will be designed and executed in the space allocated by the IIT Hyderabad authorities. This sample building will be made up entirely of Bio Brick material with supports from the bamboo framework. The roof structure will be made up of corrugated aluminium sheet with Bo Bricks panel underneath to reduce the heat gain. The outer side of the wall will be lime plastered up to a height of 5 feet to protect the Bio Bricks from rain. The whole structure is built on a PCC raft to protect the base from rotting and any damage from insects and rodents.

All side overhanging roof with corrugated

The research team received a Special Recognition Trophy for sustainable housing at Rural Innovators Start Up Conclave 2019 organized recently by the National Institute of Rural Development and Panchayati Raj (NIRDPR), Hyderabad.

Mr. Priyabrata Rautray, Architect and Product Designer (PhD Scholar), Department of Design.

Metal-CO2

IIT Hyderabad Researchers' Metals CO2 battery fetched prestigious Swarnajayanti Fellowship 2019-2020. The proposed Metal-CO2 battery with CO2 as an Energy Carrier can play a pivotal role in India's 2024 Mars Mission and Clean Energy. Indian Institute of Technology Hyderabad researchers Dr. Chandra Shekhar Sharma, Associate Professor, Department of Chemical Engineering and Creative & Advanced Research Based On Nanomaterials (CARBON) Laboratory has been awarded the prestigious Swarnajayanti Fellowship 2019-2020 for his proposed work on Metals CO2 battery. Dr. Sharma will receive due support from DST and SERB to further develop this concept which can play a pivotal role in India's 2024 Mars Mission and fixing the CO2 emissions that cause global warming.

G. Highlight selected best Innovations & images with mention of inventor/innovation name

Low-cost & Portable Emergency Use Ventilator

IIT Hyderabad CfHE incubated startup developed low-cost & portable Emergency Use Ventilator. IITH Center for Healthcare Entrepreneurship (CfHE) incubated startup Aerobiosys Innovations has developed a low-cost, portable, emergency-use Ventilator. Called 'Jeevan-Lite,' this device offers protection to healthcare providers as well as it is an Internet of Things-enabled and can be operated through a phone app. It can also be battery-operated, enabling its deployment in areas without an assured power supply. The 'Minimal Viable Product' with the required functionality of this ventilator has already been developed. Pursuant to device certification, Aerobiosys Innovations aims to produce at least 50 to 70 units per day through collaboration with an Industrial Partner.

Aerobiosys Co-founders: Mr. Rajesh Thangavel and Mr. Cyril Antony

Low-cost & Portable Emergency Use Ventilator

H. Highlight selected start-ups established by students/faculties with mention of founder/cofounder name

Create IOT: CRIOT - Affordable & Accessible Smart Home

Dynamic. Intelligence. Comfort. These are the three key salient features that CRIOT Innovations aims to build their products. The name CRIOT originates from the phrase "Create IOT", at its core it aims to build IoT products that further bridge the gap between the physical and digital world. We are currently a team of 22.

The founders Varun Perumulla and Sai Mahidar Vanumu are 3rd-year BTech students from IIT Hyderabad. Varun is the creator of the brand Varun Peru, the founding head of E-Summit IIT Hyderabad, and a curator at TEDx IITH among a host of other things. A passionate entrepreneur he was inspired by his father who pushed him to solve traditional problems in an unconventional way. Mahidar on the other hand is studying in the department of engineering science with mathematics and computing and is also a certified ethical hacker, SIH 2020 Winner among many other things. He is passionate about blockchain cybersecurity and machine learning.

I. List if any breakthrough Innovations / Technology Developed at the institute (2-3 technology with 2-3 lines about technology and innovation

1. **Carbon Electrodes from Corn Husk:** IIT Hyderabad Researchers use corn husk to produce carbon electrodes for high-voltage supercapacitors. Their activated carbon electrode showed better energy density than conventional supercapacitors. IIT Hyderabad Researchers have developed a simple and cost-effective method to derive 'activated carbon electrode' material from cornhusk for high-voltage supercapacitors. Their electrode showed better electrochemical performance (High energy density and high-power density) when compared with conventional supercapacitors.

2. **Respiratory Mask 'US9 TM':** IIT Hyderabad & CfHE start-up USafe Healthcare launches the world's most affordable respirator mask 'US9 TM'. India's local innovation brings N95 equivalent protection at Rs. 13 a day only. The Centre for Healthcare Entrepreneurship at the Indian Institute of Technology IIT Hyderabad, announces its latest entrepreneurial entity,

USafe Healthcare, on the 25th of August 2020. An innovation-driven enterprise currently focused on protective equipment against COVID19, USafe has developed and commercialized the world's most affordable respirator mask that is highly durable and adheres to the highest safety standards for operating in hazardous environments. With a vision to provide high-quality protection, especially in the healthcare industry and its frontline workers, USafe's US9™ Respirator Mask has 98.03% PM0.3 filtration rate and 99.7% bacterial filtration rate (better than N95 standards). I congratulate the entrepreneurs backing this product and proving that the state of Telangana offers a conducive ecosystem for healthcare innovation" said Shri. Jayesh Ranjan, IAS, Principal Secretary to Govt. of Telangana while launching the product.

3. **Neem Oil based Nanofibrous Bags for Seed Storage:** A Step towards Sustainable Agriculture. It is the first-ever attempt to fabricate nanofibrous bags with the aim to reduce post-harvest seed storage losses. Indian Institute of Technology Hyderabad Researchers has developed a Neem Oil Encapsulated Electrospun Polyurethane Nanofibrous Bags for Seed Storage. The real-time storage experiment carried out for 75 days infers that 90% of seeds stored in nanofibrous bags were uninfected whereas 70% of seeds in commercial bags were found to be infected with storage fungi.

4. **The lifetime of SARS-COV-2 droplets in different environmental conditions:** IIT Hyderabad's Researchers predicted the lifetime of SARS-COV-2 droplets in different environmental conditions. Under the same environmental conditions, the drying time for droplets on a smartphone screen is three times longer than that on a normal glass surface.

5. **Rural Development Centre (RDC):** Rural Development Centre (RDC) at IIT Hyderabad was established in July 2020 with a vision to support rural development initiatives of the Government through innovative technologies being developed at IIT Hyderabad. The main objectives of RDC are as follows:
    - To identify the problems and needs of the rural people through direct interaction or with the help of reputed institutions/organizations/NGOs working for rural sectors.
    - To strengthen the UBA activities conducted in the villages adopted by IITH.
    - To help the NSS team to conduct activities in nearby villages.
    - To facilitate the faculty/staff/students who are passionate to develop technologies to be used in the field such as agriculture, sanitation, drinking water, etc. in rural areas.
    - To collaborate with institutions/industries interested to contribute meaningfully to the development of the rural sector.
    - To organize training/workshops on skills development to educate the villagers.
    - To spread awareness among rural people about the importance of hygiene and cleanliness.
    - To develop an academic framework for working on societal problems, their solution, and delivery.
    - To involve and motivate the students to work for the welfare of society.

    Institute granted 5 rural development projects in FY 2020-21 to develop kits/products for rural areas.
    - Kitchen/Poultry waste for defluoridation of drinking water
    - Utilization of waste corn cobs for the production of furfural.
    - Improving Personal Health and Hygiene in Rural Schools through Interactive Installation
    - IoT enabled an aquaculture monitoring system to assist the farmers.
    - Development of a generic low-cost device for detection of heavy metals in groundwater sources.

    Fluoride in drinking water is not good when its concentration exceeds 1.5 ppm. The groundwater in many parts of Telangana State has F- values higher than 6 ppm. Hence the development of low-cost adsorbents for defluoridation of drinking water is required.

Kitchen/Poultry waste i.e., the eggshells, which are rich in Calcium carbonate, will be used for defluoridation of drinking water. A series of physical/chemical treatments will be proposed to develop the adsorbent for F- removal. The final objective is to develop a cartridge made up of activated carbon (which we have prepared and kept ready) and Calcium based adsorbent (started) for the removal of hardness and Fluoride.

Corn cobs are the abundant agricultural waste in India, especially in the united Andhra Pradesh and Karnataka. These agricultural wastes will be utilized to produce various value-added chemicals, such as furfural and 5-hydroxymethyl furfural. The successful implementation of this project will boost the economics of the people in rural areas by creating job opportunities.

IITH has adopted 5 villages under Unnat Bharat Abhiyan (UBA) program. In FY 2020-21, two more new villages viz. Kandi and Mamidapally are adopted by IITH. The UBA team organized several awareness programs for the Covid-19 pandemic and provided food packets to the needy people in the villages adopted under the UBA program. The UBA team conducted Gram Sabhas in the adopted villages as part of Republic Day activities. In addition, a sensitization workshop was conducted in the schools located at the adopted villages about National Education Policy 2020.
One of the Projects awarded under the Rural Development Centre is related to the development of personal health and hygiene practices in rural school children. The essence of the theme—hygiene—is such that it is better to learn through personal practice and application than through theoretical understanding. Designers, hygienists, healthcare workers, and educators have launched several successful projects that effectively teach hygiene habits and their needs for different age groups. Games and environmental simulations provide a safe way to experience real-life situations-game skills due to the safety of space, cost-effectiveness, and time efficiency through roles. In this project, it is intended to develop an interactive kiosk-based game for rural children to enhance their hygiene practices, specifically in this case, dental hygiene.

To estimate the role of digital games, a survey was conducted with the school children in the adopted schools. All the COVID-19 protocols were followed in the process. It was observed that many school children play mobile-based games of different genres. It was also observed that Dental hygiene is one of the personal health issues which does not have any systemic interventions in school education. Thus, to facilitate this, a smartphone-based game was developed to enhance the dental hygiene practice of rural children. The aesthetics for the visual design were also derived from this survey. Some of the screens are shown in the figures below.

Player
Choose a character
select

Tutorials
Restart
Sound
About us

Wave 1

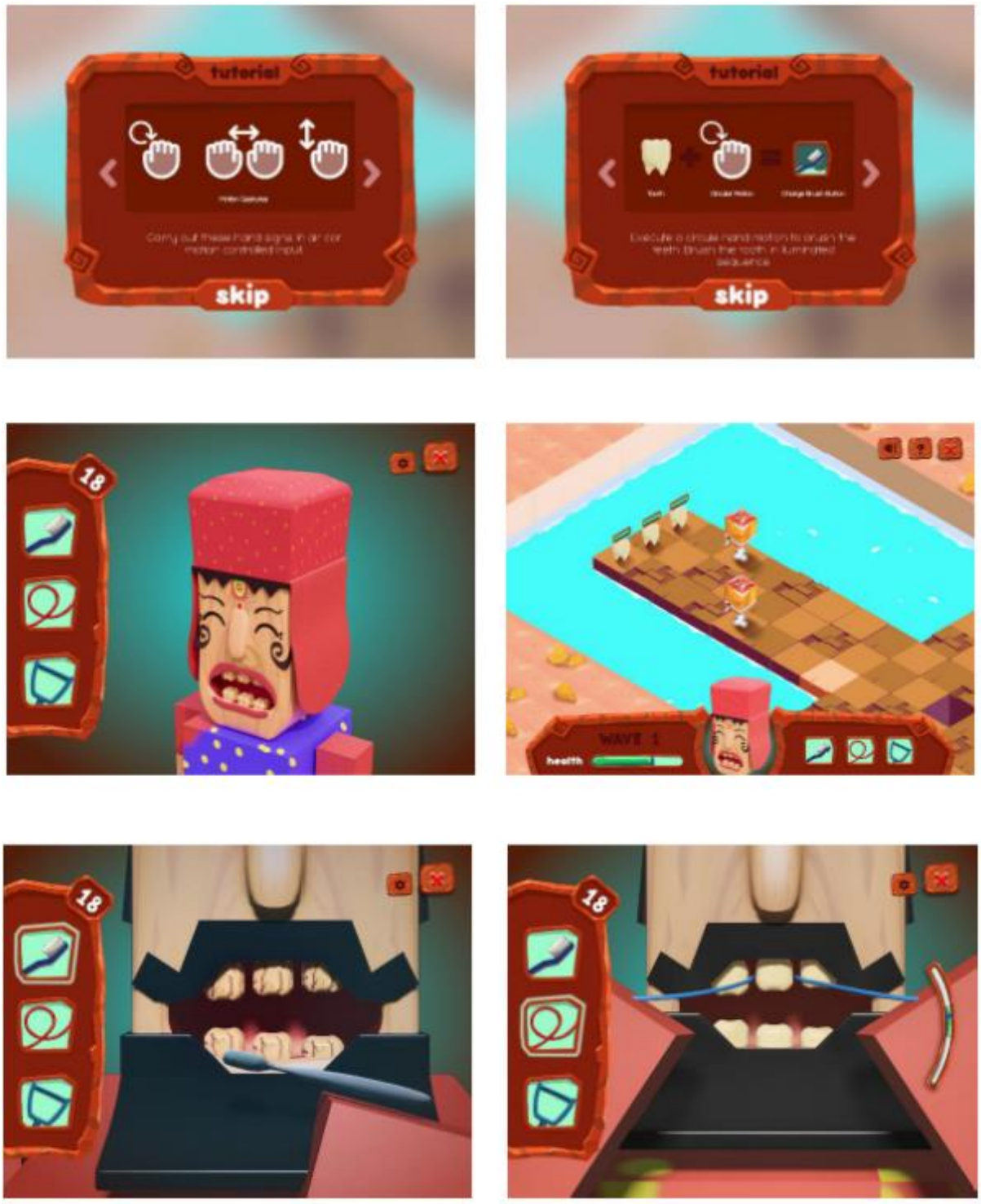
Well done

tutorial
skip

tutorial
skip

tutorial
skip

tutorial
skip



Screenshots from the game

J. Participation of IIC-institute in various programs of Central and State Govt. Highlighting specially for the schemes or programs

- **ARIIA –** Ranked 19th in ARIIA Rankings
- **NISP Adoption status - Trained Faculty, Policy Formulation, Policy Implementation**
  The Policy is under preparation and will be updated after approval.
- **Smart India Hackathon:**

  - Mr. Venkatesh Vayyavuru, MTech, Dept of EE, participated in a series of speech recognition challenges conducted by the IIT Madras, and got first place in one challenge and third in second.
  - Mr. Vinay Kumar, Msc, Dept of Physics, Participated in IBM Quantum challenge 2021

Number of students participated: 1431
Number of Winners: 500 managed to solve all 5 problems while 212 managed to get the best score.

- Vajire Pramod Kishanrao, Btech, Dept of CSE, participated in Social Innovation Online Hackathon (Indo-Japan Collaboration).
  Number of Ideas Submitted: Many ideas were submitted, out of which, we worked on one idea till the end.
  Number of students participated: more than 100
  Number of Winners/awardees: 3
- Smart India Hackathon 2020 Software Edition:
  Ideas Submitted: 1, problem statement by ISRO
  No. Of Students: Group of 6 in a team
  No. Of awards: 3 main awards and 3 special prizes. (Received Special Prize)

K. Detail of social media & Connections of IIC institute

S. No.	Social Media Site	No. of Followers
1	Twitter	22,750
2	Facebook	13,870
3	Instagram	2,436
4	Linkedin	19,183
5	Youtube	2,150

L. Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell

IIC at IITH has redefined the approach towards motivating IITH fraternity towards innovation and engagement in entrepreneurship activity. This council brought subject experts together under an umbrella and will facilitate seamless transformation of idea into implementation.

Prof B. S. Murty
Director, IITH
President, IIC-IITH

IIC has unified the various stakeholders such as our tech incubator, research park, patent cell, R&D section, and the academics under one roof with a single aim of synchronizing all activities related to innovation and research.

Prof Kiran Kuchi
Dean (R&D)
Convenor/Vice President

Invention and innovation (in addition to research and teaching) are now the pillars on which modern institutes of higher learning are built. Therefore, the IIC has a pivotal role to play in ensuring that invention and innovation at IITH are keeping pace with national and international trends.

Dr Sumohana S Channappayya

Associate Professor, Department of Electrical Engineering
Innovation Activity Coordinator, IIC-IITH

Setting the goals and synchronization of various sections of the institute towards that goal is a crucial step on fostering an active innovation ecosystem at an Institute. We look forward to IIC for playing that role.

Prof S Surya Kumar
FIC – Innovation, Incubation & Start-up
Startup Activity Coordinator, IIC-IITH

IIT Hyderabad has been leading innovation and entrepreneurship in engineering and technology. IIC is a great step in this direction bringing multiple stakeholders together to further facilitate the process.

Dr Abhinav Kumar
Faculty-in-Charge, Office of Career Services
Internship Coordinator, IIC-IITH

IIC @ IITH is the perfect platform to facilitate the vision of IITH of inventing and innovating technologies for humanity.

Dr Pradeep Kumar Yemula
Faculty-in-Charge, IP Cell
IPR Coordinator, IIC-IITH

IIC promotes incubation, innovation and entrepreneur activity. It also creates awareness among the faculty members towards the inter disciplinary research activity related to innovation, importance of patenting technology and developing different TRL level technologies.

Dr Priyotosh Bandyopadhyay
Department of Physics
ARIIA coordinator, IIC-IITH

Interdisciplinary research is key to solving today's technical challenges, and at IITH we strive hard to create a research environment wherein the conventional boundaries between different departments vanish, enabling innovation that is truly interdisciplinary.

Prof Vinod Janadhanan,
Department of Chemical Engineering
NIRF Coordinator, IIC-IITH

"Key to innovation is an open mind and willingness to experiment and explore. The one who doesn't fear failure will taste the nectar of success."
Deepak john Mathew

Prof Deepak John Mathew,
Head, Department of Design
Innovation Ambassador, IIC-IITH

A comprehensive and a well-rounded outlook is important for sustainable and useful innovation that IIC provides.

Dr Mudrika Khandelwal
Department of MSME
Innovation Ambassador, IIC-IITH

The key to the advent of technology and the modern insurmountable challenges is innovation.

Dr Meduri Praveen
Department of Chemical Engineering
Innovation Ambassador, IIC-IITH

IIC@IITH will act as a springboard for breakthrough made-in-India technology development and commercialization at Hyderabad in the coming years.

Dr Sayak Banerjee
Department of Mechanical and Aerospace Engineering
Innovation Ambassador, IIC-IITH

Knowledge and creativity give birth to a fledgling called an idea which needs determination and drive to take flight into an innovative venture.

Dr Suhanya Duraiswamy
Department of Chemical Engineering
Innovation Ambassador, IIC-IITH

IITH well known as a pioneer institute for world class innovations that promote entrepreneurship equally. IIC at IITH has given an amazing boast to innovation and entrepreneurship programs.

Ms Mitalee Agrawal
Public Relations Officer
Social Media Coordinator & Secretary, IIC-IITH

IIC provides a platform that enables various stakeholders from academia, industry, budding entrepreneurs, students, etc., in steering the innovations that can make India a global technology leader.

Mr M. Sai Kiran,
CEO, Founderr (SK IOT)
Startup / Alumni Entrepreneur, IIC-IITH

As IIC @ IITH gains momentum, we wish all the stakeholders engage in a spirit of national development through Innovation.

Mr Vinay Choudary
(CEO), Innomet Powders
Expert from nearby Industry, IIC-IITH

IIC is the right step at the right time to provide the impetus required for researchers putting sincere effort in the pursuit of Atmanirbhar Bharat. Collective success is the mantra

Dr Siva Rama Krishna Vanjari
Faculty-in-Charge, FabCI
Incubation Centre, IIC-IITH

IIC has been successful in boosting the spirit of entrepreneurship among the students by regularly providing the motivation and guidance to aspiring entrepreneurs right from ideation stage till pre-seed funding/ incubation. The synergy among representatives from the student community, faculty, industry leaders, and incubation centres in the council is impactful in inculcating a Startup culture in the institute.

Mr Sarthak Konher
E Cell Head
Startup Activity Coordinator (Students), IIC-IITH

As once said, "Innovation is where imagination meets ambition", I hope we can get the best out of all the creative minds in the institute through various activities of IIC.

Mr Rahul S
Science &Technology Secretary, Student Gymkhana
Innovation Activity Coordinator (Students), IIC-IITH

IIC is a great initiative to foster the culture of innovation and entrepreneurship in the institute.

Mr Krutik Mehta
BTech 4th Year
Internship Coordinator (Students), IIC-IITH

Institute Innovation Council (IIC) at IIT Hyderabad aims to boost the innovation activity on the campus by facilitating necessary resources. It also helps in developing a vibrant environment for research, innovation, and entrepreneurship activity at the IIT.

Mr Gaddam Akhileswar Chowdary
MTech 3rd year
IPR Coordinator (Students), IIC-IITH

Innovation is fuelled by building an environment where ideas can grow and connect.

Ms Tisha Pantawane
Media Secretary, Student Gymkhana
Social Media Coordinator (Students), IIC-IITH

Institute Innovation Council is a great initiative that allows and nurtures innovations that can have an impact on society. IIT Hyderabad with its many innovative and student-friendly initiatives such as the "BUILD project" not only encouraging students but also fund them to develop technology for tomorrow. I had a great first-hand experience of these activities and wish all the very best to IIC and IITH.

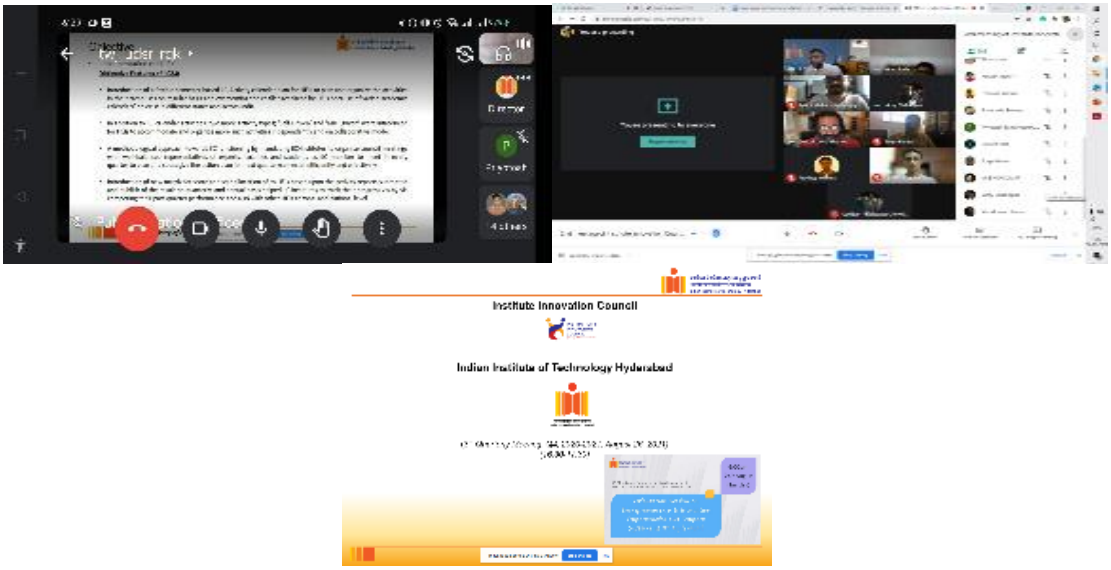
Ar. Priyabrata Rautray
PhD Scholar, Department of Design
General Member (Students), IIC-IITH

The IIC at IIT Hyderabad has been very proactive in taking up initiatives that goes a long way to build the spirit of innovation and entrepreneurship amongst the student community. The work has really been phenomenal, and I am very glad to be a part of it.

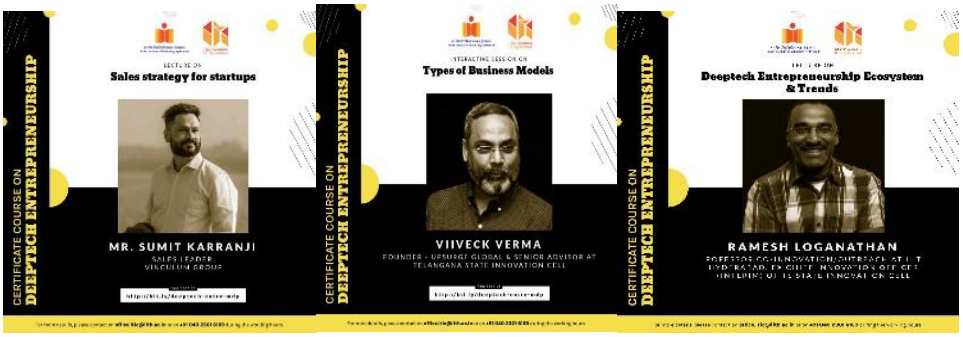
Mr Vaibhav Kumar
BTech 4th Year
General Member (Students), IIC-IITH

M. Images

- **IIC Meetings' Screenshots:**



- **Snapshots of few entrepreneurship & innovations sessions at IITH:**



N. Contact:

Ms Mitalee Agrawal,
Public Relations Officer, IIT Hyderabad,
Cell: 8331036099, Email: pro@iith.ac.in