J-HUB, JNTUH
News Letter for the Year 2018-19

Director's Message

JHUB is a University's Innovation Ecosystem envisioned to nurture the culture of Innovation, excitement in creating new products and solutions to real time problems for the benefit of the society. It's an opportunity for students to try out their first venture while on campus. It is a unique platform of programs, networks, mentors and facilities to test their innovation mettle and tech startup incubation.

Vision

J-Hub is envisioned to be recognized as a leading hub of innovation, research translation, tech-product development and knowledge intensive tech-startup incubation.

Mission

The mission of J-Hub is to nurture and catalyse ideas, match the strength of student talent and R&D across the university with the entrepreneurship and networking opportunities in the region and globally to incubate tech-enterprises and solutions.

J-HUB Goals

Short-Term Goals:

1. To seed innovation and entrepreneurial spirit in all the engineering graduates of the university.
2. Develop in graduates knowledge, understanding and skills from different disciplines to design and create products impacting the quality of the graduates coming out of the university.
3. Identify brilliant ideas and support translation of such ideas to successful products.

Long Term Goals:

1. To incubate tech-enterprises out of research findings that will promote technological innovation.
2. Collaborate and co-work with relevant stakeholders on innovation and entrepreneurship development for tech-enterprises.
3. Develop a complete innovation eco-system to build in students entrepreneurial confidence and incubate tech-startups.
4. To become the focal point for tech-solutions and tech enterprises.
5. To attain Self-Sufficiency in conducting all activities planned in J-Hub

About JHUB

The JNTUH -Innovation Hub (J-Hub) is a University Wide Innovation Initiative that fosters the culture of Innovation and empowers creative graduating engineers, faculty, research scholars and alumni to pursue innovation, applied research and knowledge intensive tech-startup incubation.

The Innovation Hub offers access to its stakeholders, a spectrum of programs, experts, labs, collaborators, networks and spaces to catalyze innovation, knowledge intensive businesses and tech-enterprises and concurrently equips the graduates with skills to compete for and succeed in high demand jobs.

Model of J-Hub

Launched in January 2018. J-HUB works in a Hub and Spoke model with JLABS at constituent and affiliated colleges to seed the dynamic culture of innovation and the central JHUB at the University campus to develop the

knowledge, skills and experiences in translating ideas to products and start-ups. Around 90 constituents/Affiliated colleges have established J-Labs to seed in the dynamic culture of Innovation and host a calendar of events to advance the University's strategic objective to achieve excellence through innovative mindset. Winning teams from college level get deeper enblement and focussed help at university campus to catalyse ideas, match the strength of student talent and R&D across the university with the entrepreneurship and networking opportunities locally, national level and globally to incubate tech-enterprises and solutions critically relevant to the society.

Major Activities

EXCITE 2018

EXCITE the six week Product Engineering workshop was held during 17.05.2018 to 30.06.2018. 143 students have registered for the workshop from 19 colleges.

EXCITE is the 6 week product engineering workshop where students ideas are mentored by industry experts to convert into prototypes. Teams comprising of 3 members each drawn from B. Tech III/II year (any branch) from various colleges participated in the workshop at J-Hub. The ideas are from the following themes- AL/Ml, AR/VR, IOT, Cyber Physical Systems/ Avionics / Block chain and Robotics / Automation

The program which kicked off on 17th May was concluded today with the showcase of prototypes built by the students of their innovative ideas. Prof. Venugopal Reddy, Vice Chancellor of JNTUH; Mr. MuraliBollu CEO ZENQ and president HYSEA graced the concluding session of the workshop wherein a showcase of

prototypes of student ideas has been putup. Earlier in the day the students pitched their ideas to the JHUB Industry advisory council, Dr. ShanthaTautam T-Hub, Mr. Vijay Bawra NASSCOM 10k startups, Mr, ViiveckVerma Hyderabad hackers,, Mr. Isaac RajkumarOpentext, Prof. Ramesh Loganathan IIITH, Mr. Sujiv Nair TASK have appreciated the student works. Prof. Govardhan Rector of the University and Prof. N. Yadaiah Registrar of the University were other university officials present.

The main objective of EXCITE program was to get an industry intervention to build appreciation for products and product engineering, and thus improve the quality of engineering graduates across the state by motivating them to explore new technologies. This six-week program saw more than 45 Industry mentors from leading companies, startups and technology leader's participation. The program covered various aspects of product startups starting from market need identification, business opportunity validation, design thinking, technology design, engineering the solution and making product pitch presentations. Students worked in teams and built the first prototype of the product idea.

EXCITE 2018 had a participation of 19 Engineering colleges across the state. During these six weeks, 40 product prototypes in Internet of Things (IoT), AI/ML, Blockchainand allied technologies have been successfully created by students. Some of the product ideas include

You tweet We Read – A tool for picking, identifying and classifying tweets,

Odoract - A device to sense and report bad odor

Haven Box: Online product safety enclosue

Snake Repeller: A stick to repel snakes and save human lives without harming the snakes

Flex-A: Diagnosis of plant health using leaf analysis using drones

Kattracker : For cattle identification and maintain vet appointments

Ireport : Vision based complaint streamlining application

E-Bin : Plastic trash integrator to reward people based on plastic disposed

Pingo :Hyperlocal delivery service

Solar Tracker : Tracking and rotaing solar panels for efficiency
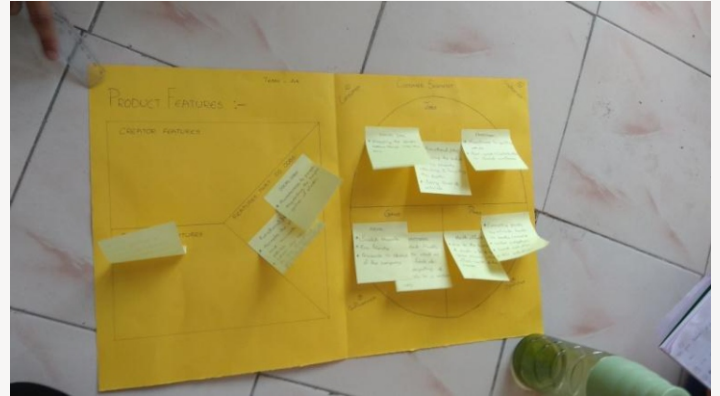
SmartLock – Anti fuel Smuggling system

Are some of the ideas presented during the session.

The Vice-Chancellor of JNTUH is very keen on supporting the teams post excite and has announced plans for a structured Accelerator to encourage students to build their products and aim to commercialize them. Speaking on the occasion Prof. Venugopal Reddy has reiterated that the University is building the complete innovation/incubation ecosystem through JHUB so that the students by opting to these intervention programs can become confident to start up by the time they graduate. Mr. MuraliBollu president HYSEA has given a patient hearing to all the prototypes showcased and readily extended support as knowledge partner in refining these prototypes to commercially viable products.

EXCITE programme has ignited a change in culture across college campuses with students participating in several hackathons.

ENLITE Bootcamp 2018

The bootcamp on Innovation and Entrepreneurship was held during 28.05.2018 to 08.06.2018 with a focus to inculcate the spirit on building ideas to enterprises.

150 students have registered for the course from 17 colleges each comprising of 3 members list enclosed. The teams were given assignments on ideation and team building and customer survey. After the initial survey of the assignment 90 students (forming 6 members teams) have worked on their ideas.

Each team has been on a day to day basis given sessions on Generating Ideas-Disrupt/Brainstorm/ Mindmap, Idea Evaluation – Market/Industry/Team, Business Model, Market Analysis, Industry Knowledge, Finance Model, Our Customer -Value Proposition, Business Model, Business Plan Pitch, E Simulation. They were also exposed to talks from young successful entrepreneurs who also shared tips on how to become an entrepreneur.

As many as 7 entrepreneurs and 5 mentors have delivered talks and conducted activities and evaluated their work.

The final ideas were presented to the jury comprising of members Battula Kavitha, R. Rajshree and Col B S Rao.

The prize winners were announced during the validation ceremony.

IGNITE 2018

IGNITE bootcamp on Innovation was held during 21.06.2018 to 23.06.2018 with a focus to inculcate the spirit on building ideas to enterprises.

102 students have registered for the course from 16 colleges each comprising of 3 members list enclosed.

Each team has been on a day to day basis given sessions on Growth Mindset, Creativity, Collaboration, Empathy, Storytelling and Action Orientedness through Rapid Prototyping. Industry experts and entrepreneurs spoke on disruption technologies, Innovation & Entrepreneurship & Startups.

MoU with CII IPR Cell for Building IP Eco System

IP Ecosystem : The satellite office of CII-IPR cell is put up at JHUB. This would be a single window for all IP aspects of faculty and student innovation from awareness, advisory, counselling, search, filing, to agreements and commercialization.

MoU with CII IPR Cell for Building IP Eco System

Startup Incubation:

A seventy seat incubation space is setup for startup incubation at JHUB. The following is the list of startups inducted at Jhub.

DappLogix Software Private Ltd: An AI and Blockchain platform from Hiring. With the core idea being the winner at Nasscom NIPP challenge 2018 and part of the NASSCOM 10000 startups, DappLogix is building products for recruitment and Verification of application using Blockchain Technology and AI technologies. The first of its product Hirestar.io was launched on 29th June 2019. Hirestart is a recruitment and Verification portal of Hyperledger blockchain.

SmartElan: IoT based smart solutions for Envirnment Pollution Control. Powered by technologies like IoT and Embedded Systems the startup s building products to realtime solutions for pollution monitoring, healthcare monitoring. Low cost air purity monitors are being designed initially.

VoiceReady: Creating Voice-enablement of Aapplication. With a vision to facilitate any business to be compatible withany Voice platform, Voice –Ready is building enterprise application as the bridge between any voice platform and a customer with the requirement to be voice enabled. The platform also enables the users to hear the voices of their customers with little or zero effort by developing tools that can use artificial Intelligence and Analytics.

Launch of Hire Star.io of J-HUB incubatee Dapplogix