

A Glimpse of .IIC activities to boost the Morale of Incubators

Activity 1: Workshop on “How to be an entrepreneur than Job Hunter”

Workshop objective: The Innovation and Incubation Cell(IIC) with a view to inspire and push forward its budding and student entrepreneurs in making with their endeavors, envisaged to conduct a workshop by their peer from similar student background but who is already a seasoned business man. Mr. A Gopi Raja, the student entrepreneur and a final year Electrical Engineering student from KLU University, Vijayawada, AP was chosen to address and share his stepping stones in becoming an entrepreneur from his sophomore days. The event well planned was conducted in the Visweswraya Auditorium at the college on 17th Aug. 2018.

The Session(Overall): It started with a grand inauguration by chairing of the **College Principal, Office bearers from NECN incubation Cell(IIC) and the Entrepreneur cum guest.** Department wise IIC Cordinators and all the Department Heads were present to boost the morals of Student Innovators and Incubators of the institution, the later were being the primary audience and around 200 pre-registered students were enthralled to present in the workshop.



The majority of students being from 2nd and 3rd year streams of all the faculty of Engineering streams, there were few final year students were present who wanted to seek their future goals with their own firms. The inauguration session was followed by a marathon demo cum talk by Gopi Raja and with many queries being raised by the audiences.

The afternoon session was utilized for Real time flying of Drones of different applications in the Grass field in front of the college.

The Session(Finer Details): The inaugural talk was delivered by the office bearers of Innovation and Incubation cell. Mr.Leela Mohan, IIC Coordinator cum event organizer shared the importance of the IIC center at NECN and highlighted the activities & facilities being provided today.



Speaking on the occasion Mr.Muralidhar, Professor in charge of the center emphasized the Industry ecosystem of the country and the need for young minds to involve in the development process of the same. He shared the facilities in the form of HW/SW tools present for developing proof of concept of the product or service idea, at the cell. He also shared few snippets about the goals of the IIC and wished that at least few entrepreneurs will be incubated down the time line of two years.

The professor in-charge also emphasized the importance of making of their own firms by the students rather than hunting for a job. In particular the message of innovation and entrepreneurship in the context of “Make in INDIA” policy of Government of India was voiced out fearcefully.

The Principal of the college duly communicated the recognition and support given to the IIC center and its activities by the College Management also the financial commitment towards the center development was highlighted. The Principal also shared the current challenges faced by the students in the Job market and settling with a true and final Job offer from the Prospective employers.



He communicated the importance of entrepreneurship that would generate new job opportunities besides being bringing out innovative and Socially important Projects.

Workshop: Gopi started his workshop speech with a note on a moral story from Indian legend that communicated the importance of hardwork and seeking one’s own goals. The students were enthralled listening to the story and shared their own points. Gopi Raja went on with his speech on his initial ambitions of making of few of his ideas into products and also discussed what made him to dump those ideas, because of non feasibility in productizing and also cost effectiveness of the same and hence the market acceptance.

Gopi went on saying about how he boiled down to making of the drones by the identifying farmers Grievances in Labor management and shared the views what made him to conceive low cost Agriculture dispensing Drones, their testing and initial failure in powering of the drones. He also shared how he has overcome the Battery problems, weight reduction and other stability issues in the drone in the due course of time.



The students raised lots of queries and enquired why particular options of solutions were not considered, Gopi reciprocated by saying the reasons being technical and cost factors. The entrepreneur shared his excitement of selling the first drone to Vice-President of the Country and the recognition he received. He also emphasized the qualities one should build and cherish to be an entrepreneur. In particular the perseverance and guts required to be an entrepreneur were duly shared by him. He concluded his speech by sharing how he managed to mobilize funds for his business endeavors being from not well to do Agriculture background of Krishna

District. He shared few orders he secured for selling the drones and the current Government policies on making and selling of drones.

The afternoon session continued with the live demo of assembly and flying of the drones with the college students involvement. Drones of various sizes catering to different applications such as water dispensing, seeding and pesticide dispensing drones were shown flying in the field.



Also few prototype drones for reassembly and remodeling were shown for research and development purpose. The students have enquired about the pricing of the same and typical applications that can be build. The session concluded around 5PM with a felicitation to Gopi for coming forward to sharing his experiences with the student community at NECN.

Concluding Remarks: The workshop served the purpose of show-casing of a student entrepreneur from humble background of middleclass agriculture background.

This was an eye-opener for students skeptical of entrepreneurship due to financial constrains. The motivational speech has caused a huz & buz among the students about entrepreneurship and innovating goals. Gopi's inputs on few ideas from students on business goals were duly analyzed and moderated and few valuable suggestions were shared



Activity 2: Productive and Inspiring Interaction Session With Alumni Entrepreneur

Preamble: NECN's Innovation and Incubation Cell(IIC) has organized the above event(titled) for prospective and inspired innovator students and staff with a view to expose a true scenario of making of an entrepreneur and the challenges in it. The entrepreneur identified is an Alumnus of the institution, namely Mr.Sashi, Director, Innoswift Solutions, Nellore and was a student during the period 2002-2006 in the department of Electronics and Communication department. The event was conducted on 13th March, 2019 in Visweswaraya Auditorium of the institution. A presentation followed by interactive session with the students was the main theme of the



Session. Also couple of entrepreneurs in making, duly shared their business case and also inquired about advise on and gearing up working capital for the business. The Principal of the Institution and IIC office bearers have participated in the event and highlighted the importance of such interactive sessions. The principal has brought out the importance of the establishment of IIC and its role in facilitating innovation and incubation activities.

Session: The young entrepreneur and also the chief guest of the event gave a glimpse of his career progress after passing the Degree program from the college and specifically highlighted the adversities he has undergone during his stay in USA during his MS program. He shared his premature dreams of becoming an entrepreneur during his student days and his perseverance to achieve the same.

The students have had a prolific and enchanting interaction with the Alumnus specifically regarding the selection of an innovative idea for converting into a business opportunity. The guest responded by conveying that socially impact creating products and opportunities in unorganized sectors such as classified scrap collection for recycling could be envisaged rather than niche products design and development.



The later has shared importance of Market study, Competition study and pricing of the product volume levels of product marketing from time to time have been discussed. The students in particular enquired about the funding mobilization for startups, whereas the entrepreneur in particular shared his ways of saving money and partnerships he had for startup.

Speaking in the event the office bearers of IIC, shared the current activities of IIC and show cased the entrepreneurs in making at NECN with their business case this is to motivate students to pursue entrepreneurship as an alternate option to job hunting as inevitable goal. The facilities being provided and the support extended to the student communicated were duly communicated by IIC professor in-charge Muralidhar



It was unusual to note that some of the female students have queried with deep issues involved in entrepreneurship. The facilitator was not only excited to answer the queries but also shared some unique opportunities for Women entrepreneurs by Government support. Shasi in particular shared about the guts and intuition has a dealing in business endeavor.



Outcome: The interested few students has an opportunity to interact and learn real life experiences of an young entrepreneur, who had his humble background of being from a normal middle family, whose father was a salaried bank employee. The entrepreneurs experiences were a real eye opener for many skeptical students about making of their own firms. The students have learned uniqueness IIC at NECN and its importance in their future goals.

Activity 3: A Path to Innovation through Project Exhibition cum demonstration @ NECN

Exhibition purpose: The Innovation and Incubation Cell(IIC) with a view to inspire the young minds for demonstrating their project development and other innovation persuasions, has organized an enthralling event at NECN premises. The project exhibition conducted on 30-03-2019 for a day also been extended to the participation to other engineering college students for demonstration and the general public were invited as audience to the event. Ample of space in various department Laboratories and in the walk around space were dedicated for the event. There were around ~200 exhibits by NECN and other College students. School students were the major count of audience.

Session: The final B.Tech Project works by outgoing students as well as socially important innovative projects were brought into focus, for example the drain desilting equipment developed by the Mechanical Engineering department were exhibited. The project was ideated and sponsored by the corporation of Nellore but was conceived and built by the staff and students of Mechanical Engineering faculty. There were couple of energy harvesting projects through solar panels and Water conservation model using Rain water Harvesting by Civil engineering students was unique for demonstration. A low cost noiseless road and Building premises cleaning mechanism using easily maintainable solution was built and live demo was performed. The equipment could be manually operated thus avoiding any energy source requirements, otherwise could be a comfortably assembled accessory to a vehicle for saving human effort of cleaning larger areas.

Some of the academically oriented projects have had unique innovative and social significance. A project from final year ECE dept. was about automation of Garbage collection by the municipal staff. The main project theme was to optimize the Garbage collecting vehicle movement, so as to avoid movement of vehicle towards empty/ partially filled bins. This would reduce the turn around time for Garbage collection and will ensure totally filled bins are emptied without any overflow, thus maintaining hygiene in the society. The project in particular exploited the IoT technology in garbage collection by incorporating Sensors to detect the bin garbage level. The communication link established between the garbage bins and the municipal office will have a database being maintained at finger tips on a mobile phone and thus facilitating prioritizing of garbage collection. This in spite of optimizing Bin collection will save fuel consumed by the vehicle and reduce fatigue on corporation personnel, besides keeping the city clean and tidy..



Event Impact: The best project from each of the department was selected by panel of judges and the respective student teams were felicitated by offering a prize money. Delegates Prof.Pulapa subbarao,Vice chancellor ,June Bay Friday,

Dean of Millenium university, from South Africa were entices see the project demonstration by the students. The event attracted good publicity and the school children were excited to see the working models on the projects. It was unusual to note that some of the female students have queried with deep issues involved in entrepreneurship. The facilitator was not only excited to answer the queries but also shared some unique opportunities for Women entrepreneurs by Government





Outcome: The final B.Tech and other aspiring innovators had an opportunity to showcase their designs during the expo. Few exhibits from other Engineering colleges in and around Nellore were also showcased in the event. The delegates along with the College management had a glimpse of project developments and motivated the students for their efforts. The top best selected projects were entrusted with Prize money. Many school students participated with lots of technical interaction being happened. There was feedback to conduct such events in future from the visitors.

Activity 4: **Brain Storming Session by Necn Entrepreneur @ NECN**

Preamble: NECN's Innovation and Incubation Cell(IIC) has organized the above event(titled) for prospective and inspired innovator students and staff with a view to expose a true scenario of making of an entrepreneur and the challenges in it. The entrepreneur identified is an Final Year Mechanical student of the institution, namely Mr.M.Mohan Sai, Proprietor, ALLIO Home Services, Nellore is a student during the period 2017-2020 in the department of Mechanical Engineering department. The event was conducted on 30th Oct, 2019 in Visweswaraya Auditorium of the institution. A presentation followed by interactive session with the students was the main theme of the Session.



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Activity 5: **Job Opportunities & Skill Set for Verilog HDL Design & Verification @ NECN**

The Resource Person for the event is by Mr. Madan Gopal M, Corporate Training & Placement Consultants, Aark IC Technologies, Bengaluru. Engineering is one of the brightest and evergreen profession which has a great demand.

Every year lot of students try hard to crack the entrance exams and select the engineering stream which they have an interest in. A degree in B.Tech (also known as engineering degrees) is one of the most popular fields of education these days.

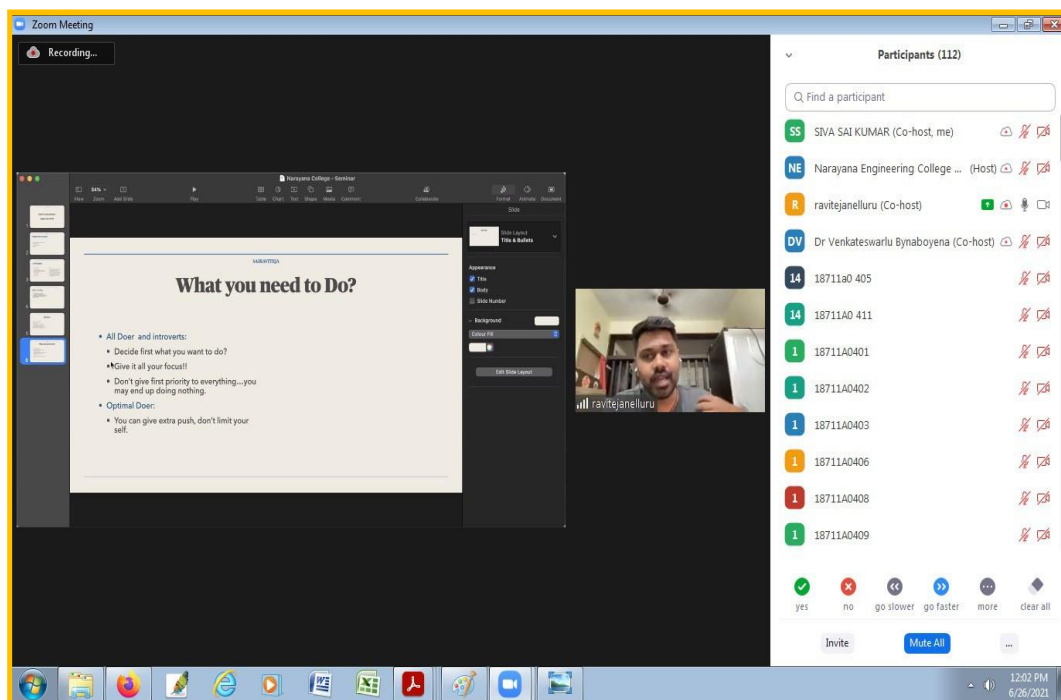
There are few myths that are common regarding engineering. Some of the myths of engineering are

- ✓ Engineers have super-powers
- ✓ Engineering is more valuable than science
- ✓ Requirement of more IITs
- ✓ A person having B.E/B. Tech graduate is an “Engineer”
- ✓ Management degree along with engineering is a great compilation.
- ✓ R&D engineering is best done by foreign MNCs.

Activity 6: **Future Trends in Industry: Impact of Covid-19 @ NECN**

The Resource Person for the event is Mr. M. Ravi Teja, Team Lead, KPMG International Limited, Bangalore. Corona virus (COVID-19) outbreak is now impacting our personal and professional lives. Many are trying to navigate through their unfolding business complexities related to people, supply-chain, financial health, customer engagement and risk management.

The COVID-19 pandemic disrupted labor markets globally during 2020. The short-term consequences were sudden and often severe: Millions of people were furloughed or lost jobs, and others rapidly adjusted to working from home as offices closed. Many other workers were deemed essential and continued to work in hospitals and grocery stores, on garbage trucks and in warehouses, yet under new protocols to reduce the spread of the novel corona virus.



IMPACT OF COVID-19 ON HARDWARE AND SOFTWARE INDUSTRIES

➤ Hardware Industry

- Raw material shortage
- Challenges getting production full running
- Cloud based tools
- Log management
- Security software

➤ IT Services

- Companies encourage employees to work from home
- Increased demand for communication equipment and telecom services
- Adoption towards 5G communication
- Demand for cloud infrastructure

We are currently going through one of the most significant historical changes ever experienced in the last 100 years. Old businesses will change and new businesses will emerge. We are already seeing a shift in services our clients are adopting as a response to this pandemic. Essential services in relation to healthcare, energy and natural resources, water, and emergency services will continue to be in demand, although the business models for these industries may change.

We need to be vigilant and cautious about the further impact of the spread of the virus, and resilient to create new ways of living and working. We need to gain inspiration on how two of the most populous nations of the world; India and China are managing the situation. The collective wealth of western nations will help repurpose spending and improve healthcare.

New ways of living and working will emerge as soon as fear subsides, ten ways to reimagine and reinvent our lives, our organizations and our society are

- ✓ Globalization Will be refined with a stronger emergence of social capitalism
- ✓ Acceleration of digital transformation
- ✓ The use of an on-demand work force will increase
- ✓ A new burning platform for healthcare reform
- ✓ Supply-chain s will fragment and reconfigure themselves
- ✓ The definition of “workspace” will change
- ✓ Industries will be forced to reinvent with upskilling and reskilling becoming a major priority
- ✓ Change in work habits will lead to urban transformation
- ✓ Rapid innovation will keep businesses afloat
- ✓ New mindsets will drive future success