



Gujarat Technological University

A

Report

Of

Two Day Workshop

On

**“The Roles of Governments,
Universities and Financial
Institutions in facilitating
Student-Start-ups”**

Date: 8 – 9 August, 2015

Venue: GTU Auditorium,
Gujarat Technological University,
Chandkheda, Ahmedabad.

Background Note:

Wherever Universities - Incubators - Financial Institutions and Governments have worked in harmony to develop ventures, based on new technologies, they have jointly contributed immensely to the nation's economy.

A University is supposed to spark innovation and to help develop new technologies through freedom to work and through mentorship. A University is able to do so if it is able to create an entrepreneurial culture and has built an effective connectivity with industries. Incubators, either as a part of the University or as an entity outside the University, help build the products in close proximity of inventors whose inputs are essential for further development. They also play a crucial role in reducing overall cost of technology and ventures development. The success of both the University and the TBIs can be facilitated by policies of Governments. If Governmental entities, along with Financial Institutions, are able to understand the challenges faced by Student Start-Ups and if they work jointly with the Universities, they can build a vibrant environment for new enterprises.

GTU has taken two important steps after organizing multiple meetings and workshops with experts in Start-ups. These initiatives are likely to boost the culture of entrepreneurship across its 500 plus colleges.

1. Release of GTU Student Start-up policy after its National Workshop in November 2014: This policy has created a conducive environment for student start-ups.
2. Empanelling Technology Business Incubators with GTU for introducing Minor/Specialization in Technology Entrepreneurship, where students may take up this additional optional learning at TBIs.

GTU S4 (Student Start-up Support System) has set up a Policy Incubator where various policies – relating to student start-ups- are discussed, debated and are put under pilot testing mode. The objective of the Policy Incubator is to hold dialogues, discussions, and conferences for a wider perception of the needs of start-ups and to learn from best practices. GTU then develops the next practices for student entrepreneurship across the State university systems.

On November 21-22, 2014, GTU and AICTE jointly organized a National Workshop on Development of Policy Framework for Innovation, Student Entrepreneurship & IPR for Universities with a Large Number of Affiliated Colleges (Report: <http://www.gtu.ac.in/circulars/15Apr/29042015.pdf>).

On 27th and 28th May, 2015, a two day seminar on Challenges and Opportunities in Building Start up Ecosystem in the State was organized to discuss the role of governments in building a start-up ecosystem in the state and a round table of Vice Chancellors to discuss offering additional credentials in Technology Entrepreneurship.

(Report: <http://files.gtu.ac.in/circulars/15Jul/30072015.pdf>)

In continuation of the above workshops, GTU is organizing a two day workshop on the Role of Government, Universities and Financial Institutions in facilitating Student-Startups on 8 - 9 August, 2015. The following important issues will be discussed in this workshop to form a policy document for submission to various Government departments, who can influence Student Start-up eco system in the country.

•Developing Student Start up policy for Universities of India - identifying factors responsible for promoting Start up Eco systems in Universities.

GTU recognizes the potential of students to innovate new technologies or start a business while still in college. It gives student more number of years to experiment before finalizing his/her carrier goal. Advantage of being in an Indian family system can help student to try at his/her entrepreneurial efforts while in college then to complete study and start trying at the age of 22-23. GTU is therefore pleased to take a lead and invite Entrepreneurs, TBI CEOs, Policy Makers and academicians to share

their views on making provisions to promote Student Start-ups in Universities across India through interventions of AICTE, MHRD and UGC.

- **Panel discussion by incubated Start-ups across incubators to prepare policy recommendation document for Governments**

Government of Gujarat has released Scheme for Assistance for Startups/Innovation in January, 2015. GTU is inviting all stake holders to join in the discussion to develop recommendations which can be submitted to Government of Gujarat for proper implementation of the scheme. Currently GTU is calling upon the State Government to make available at least 20,000 square feet of built space at a central location that is easily accessible by the local students, alumni and mentors at major population centers in major cities of Gujarat. GTU will set up GTU-S4/Co-working space in major cities where students from all Universities and other entrepreneurs can come and work. These facilities will have GTU C-i-C3 labs and higher version of FAB Labs attached to it for the development of prototypes and working models. This will help in promoting social entrepreneurship, rural entrepreneurship and attempts to leverage district-level innovation and incubation funds and facilities. Entrepreneurs may set up rural enterprises and help potential youth from the rural areas to start up in their locales.

- **Round table discussion on promoting Entrepreneurship through faculty interventions - Journey beyond the books.**

GTU has introduced two unique tracks to earn additional credential as Minor/Specialization in Technology Entrepreneurship. However, those who cannot get into this programs should not be left out from the experience of learning one can receive by understanding the business. Students should be given some entrepreneurial challenges to take up some small business and earn some money to contribute in paying their own tuition fees. Faculty members can promote talent of their students by encouraging them to make a team, build a small business plan and earn little money through penetration in local market of service sector industries. Objective of such activities is to teach student about the process of implementing a business, understanding clients and importance of deadlines. From academic year 2015- 16, GTU is making it compulsory to earn 100 activity points to complete requirements for Bachelor's degree. GTU is inviting faculties and Entrepreneurship Networks to discuss the possibility to develop and measure such activities which can be considered as earned points for students. This will motivate students and will see large participation of students across Gujarat in Entrepreneurial activities.

- **Building Start up Eco System by blending Entrepreneurship in curriculum - Success stories from USA by - Professor Jimmy Gandhi, California state University, USA**

Prof. Jimmy Gandhi is Director, Ernie Schaffer Center for Innovation & Entrepreneurship at California State University, Northridge The mission of the Center is to promote and foster engineering innovation and entrepreneurship activities in education and applied research, and in alliances that facilitate engineering, technology, and business partnerships. Prof. Gandhi has creditable record of work in leading entrepreneurial work and industry-institute inter-action. He will be leading the discussion in one session and will be providing valuable inputs in other sessions at the 2-day Workshop.

Day - 1 (8th August, 2015 - Saturday)

Inaugural Session and Keynote Speech

The inaugural session started with the introductory speech by **Mr.NareshJadeja, Deputy Director-GTU** whereby guest of honour of the occasion **Dr. K P Issac,Dr. M N Patel, Shri M Nagarajan** were warmly welcomed. Mr.NareshJadejabriefed the agenda of the distinct roles that governments,

universities and financial institutions may play in facilitating student start-ups as the world is becoming competitive day by day. He also shared the overall flow for the two days program.

On this occasion **Dr. Akshai Aggarwal, Honourable Vice Chancellor of GTU** shared views by saying that:

GTU as an Innovative University always believes to support its students and especially for final year students GTU has initiated activities like IPR (3rd September, 2011), boot camps (February, 2012) and many more. He began by giving example of failure of MBA colleges in villages as the students were solely interested in working with MNC's and not willing to serve the ground level which included the study of activities going on in the nearby villages and hence GTU has come up with the idea of including 100 activity points in the curriculum. This concept of activity points may give idea to the students for the start-up. Dr. Aggarwal added that we at GTU are doing things in different ways and trying to develop GTU as a real University and not just for looking after examination work, we must try to be up-to the mark with world's best Universities. He suggested that society has to develop such an environment where such start-ups are supported so that they may get self-confidence and become financially sustainable.

Session-1: Panel discussion on developing Student Start up policy for Universities of India – identifying factors responsible for promoting Start-up Ecosystems in Universities.

Shri Nagarajan M, IAS, District Development Officer – Sabarkantha District in his speech said that innovation is that concept which provides an opportunity for which we don't have time to wait and it requires quick results which lead to growth and development in the society. He later briefed about the projects undertaken by his team which are going to help India to make it an advanced country and also explained about the facts and government sponsored schemes like **Digital Setu** which is connecting 32 villages of Khedbrahma of Sabarkantha District digitally. He explained the need to undertake such project as the country has advanced to 4G for internet while still there is non-availability of 2G in rural areas and the statistics of World bank says that "A 10% increase in broadband penetration increases the per capita GDP by 1.38% in the developing countries". Mr. Nagarajan said that under his project, they have developed wi-fi network available through local vendors in 32 Gram Panchayats within last one year. He explained a device called Digital Access Device and emphasized the need of internet connection in this era of Digital Sigma along with the challenge of taking internet to the rural areas. He also gave an example of '**Digital Village-Akodara**' supported by ICICI in Sabarkantha district supported with LAN, cashless transaction, e-education, e-health, ATM cards, e-milk producer group, a school with digital black board, wi-fi connectivity successfully since past one year. Also Gram Panchayats of Sabarkantha district has invested 2 – 3 lakh rupees for the digitization of all the villages. Another major project going on is **Swasthya Samvedna Sena** - a digital technology to deliver health services in which a tablet is given to 540 health staff members, ASHA and Anganwadi workers who are delivering medical education through videos, mobile applications, discussions and reporting is done with the technical support from NHL medical college and UNICEF. He gave insight of the various projects going on today at the district level so that the students may get ideas on how to move ahead for their start-up in this field of social business. He ended his talk suggesting that colleges and universities play a vital role of catalyst in the students journey of start-up from seed to sapling and university is the right place to incubate the minds and start-ups.

Dr. K. P. Issac, Honourable Vice Chancellor – Kerala Technological University (KTU) shared views by saying that:

Dr. Issac expressed his happiness to be in the vibrant state of Gujarat and being invited in such a university which is actually working to make things great by encouraging students in the direction of start-ups and entrepreneurship. He was also thankful to Dr. Aggarwal for giving him this opportunity to become a part of this event and added that new technology start-ups requires new engineering skills which are most often found in the university students as we have already moved from industrial economy to innovation economy by giving examples of world's most successful start-ups like Alibaba, Facebook and many more. He explained about the KTU's technological start-ups and the introduction of new courses which are in trend with the latest technologies. Dr. Issac shared the government's vision of connecting the villages through digitization as the requirements are also getting advanced by giving example of Moore's law of doubling the power every 2 years in this era of computing revolution in which we are equipped with ultrasound scanners, embedded programming and super computers. He added that universities with start-up concept can be the future of education system and the TBI's may support final year projects. He also congratulated GTU for coming up with the Minor and Specialization in Technology Entrepreneurship. He also suggested that a new education model needs to be developed wherein the start-ups may get self-sustainability, create jobs and the exposure one gets will help in future employment and for gaining scholarships for further studies and emphasized that along with enhancing in technology commercialization, university has to benchmark in technology research as well. He ended his talk saying that the technology which is used today needs to be taught to the students rather than going with the conventional technology which suggested that small changes can make huge changes as we have a lot of young people. Also a technical university can excel in development and innovation and make the students realize that innovation is not merely ideas rather it is application of knowledge through such start-up policies.

Dr. M. N. Patel, Honourable Vice Chancellor – Gujarat University addressed the session as:

People usually think that start-ups come from management and engineering background, but there are many other disciplines in higher and non-technical education where students are very aspirant in this field. We need to prepare young minds from the 1st year for this start-up and many policies are going to be framed by the government to channelize the funds in this area. The policy consists of monetary fund, instruments, space to work and many more. Changes are coming very fast and we need to change the mind set to adapt those changes whereby everybody including universities, financial institutions and government should be taken together. Dr. Patel also suggested that give the students that kind of freedom wherein they can flourish their ideas and also teach them how to face the failure and enhance your success. He advised to start project from very 1st year so that students have opportunity to choose alternate way and can change the projects in case of failure. He advised that university should encourage students for subjects like social entrepreneurship by studying village models and cultivate their mind rather than going with stereotype syllabus.

Dr. Akshai Aggarwal, Vice Chancellor – Gujarat Technological University shared views by saying that:

This is the best time that India is having after 100 years and it is good fortune for the students of GTU that they are associated with such a university which is determined to work in the direction of student start-ups. GTU is also going to establish state of art workshops across all the colleges in the state which will induce colleges to invest more in workshops. Society needs to change their mind-set and start daring to get into entrepreneurship without being afraid of failure which will bring up new

enterprises. Dr. Aggarwal informed students about C-i-C3 (Community Innovation & Co-creation Centre) which is a co-working space having facilities like those in the Tinkering lab of Cornell University with the similar concept of Fab Lab. University is going to succeed with its young people and their eagerness along with the policies of government. India will become rich when start-ups work for the villages and towns in favour of the poor and ordinary people. He also discussed the importance of IT Infrastructure Abhiyaan and computerizing the entire range of schools, colleges and industries along with appreciating the Digital Village-Akodara. He addressed the Smart City Project advising that smart technologies should also be deployed in villages and towns with the help of sociologists and management people and hence we are going to push the idea of entrepreneurship in management colleges as well. Hence GTU has come up with Student Start-up Policy in December 2014 whose actual work began in 2010 validating the policy components step by step. At the end, Dr. Aggarwal once again thanked Dr. K P Issac, Mr. Nagarajan and Dr. M N Patel for sharing their views and enlightening the audience with start-up and entrepreneurship.



University representatives welcoming eminent guests & distinguished personalities sharing views at Inaugural session

Press Conference and MoU signing Ceremony

On this occasion, MoU was signed between Gujarat Technological University (GTU) and Gujarat Venture Finance Limited (GVFL), Startup Village & MICA Incubator at GTU ACPC Campus, Navrangpura, Ahmedabad. At the press conference, **Dr. Akshai Aggarwal** addressed the media saying that:

It is indeed a great pleasure that Kerala Technological University has adopted our start-up policy. Also Startup Village and MICA are now empanelled as Technology Based Incubators (TBI's) to mentor the students of GTU who will be selected for the two courses – Minor/Specialization in Technology Entrepreneurship and GVFL on the other hand will provide venture funding to the start-ups to those who have proven themselves and need funding to take them to the next level. Along with the above institutions, IIM-A, Venture Studio and iCreate are also going to help GTU with the student start-ups.

Mr. Sanjay Vijaykumar, Chairman – Startup Village addressed the press conference as:

GTU's Student Start-up Policy is nearly perfect and Kerala government has adopted it with minor modifications and it has made mandatory for all the universities of the state to come up with such student entrepreneurship policy. He added that GTU's policy is extremely comprehensive and the kind of autonomy exerted by GTU is unparalleled in the country.



MoU signing ceremony between GTU and Gujarat Venture Finance Limited (GVFL), Startup Village & MICA Incubator

Session-2: How to harness GTU student start-up policy through effective grassroots implementation

Mr.HiranmayMahanta, Honorary Director - GTU Innovation Council started the session asking the views from audience regarding what needs to be done when there is no model and yet we want to lead. Some changes are grass root level that can be measured through empirical data while other can be measured through cultural changes. GTU has demanding students and hence we are able to proceed faster. He also introduced Mr.Atit Bajaj from Startup51, Mr.Yash Shah from Swasthya, Mr.Takshil and many more student entrepreneurs who had participated in Boot-camps, Hackathons, etc. and also explained the importance and implementation of crowd funding. Mr.Mahanta raised his enthusiasm ahead of all present by asking:

- ✓ How an engineer will raise funds?
- ✓ What are the common challenges faced by student entrepreneurs?
- ✓ What qualities are necessary for each member in the team?
- ✓ How do we make this ecosystem as the best ecosystem?
- ✓ How do you access to start-ups?

Mr.Mahanta shared the vision of GTU and said that Entrepreneurship is not merely a profession, but it is a culture; innovate not only to survive, but also to grow and lead. We may go the next level if we build entrepreneurship as a culture and we need innovation for shining.

Takshil, Student Entrepreneur from L.D. College of Engineering explained about his start-up on women employment portal and answered the questions saying that go step by step by accepting different challenges in the ecosystem and fix the problems raised.

Mr. Atit Bajaj, CEO – Startup51 advised that 1st year students must definitely try to get into entrepreneurship and get a chance of exposure on how to start a new venture.

Mr. Yash Shah, eSwasthya explained how he came up from his first failure at the Bootcamp and said that it is not about failure, it is about passion. He advised to go and visit all such places where students find opportunities, refine your ideas at every stage and go along with the team from start to the end.

Ms. Bhargavi Dave, IAS, District Development Officer – Ahmedabad started by explaining her work areas such as education sector, health sector and social welfare where students may have ample of opportunities for their start-ups. Ms. Dave explained about 414 village panchayats, 927 primary schools and its 1.5 lakh students and also the structure of the school which she is taking care of. She said that “Culture is related with Entrepreneurship, Culture is related with Change. Hence we need to bring the Change”. She also explained the importance of finance for doing any business or getting into entrepreneurship. She added saying that Start up begins with the idea in mind, which can be brought down on paper and can be finally implemented to turn into reality. She encouraged the students saying that one must always enjoy learning. She motivated the students to adopt and make the technology usable things for the welfare of people. She gave examples to the students like improving the quality of education and infrastructure development in rural areas which they may target for their start-ups. She insisted that start-ups may be such that are useful to the government and those which are for the social welfare of the unapproachable class of society. Ms. Dave gave insight about “GyanSetu Project” for Ahmedabad district which is a knowledge exchange program to bridge the gap between rural and urban areas. She also thanked GTU for inviting her at the event and also motivated the students in the field of social entrepreneurship.

Session- 3: Student entrepreneurship: Initiatives, impacts and inferences from grassroots efforts in India

Mr. Sanjay Vijaykumar (Chairman, Startup Village) started his presentation by introducing Startup Village followed by the case study of the start-ups which began in their company and added that Startup Village focuses on students and supports them for their new venture. He answered the question of difference between an Incubator and a start-up and explained the importance of being economically independent in the society in today’s world. Through a start-up you may create a job which you like of your passion. He gave examples of the start-up like FIN, MINDHELIX group with the help of videos.

He added saying that Startup Village is trying to provide the best system to the people who come with ideas in mind and the world is never out of ideas and we get them better by actually helping them out to implement them by creating a sustainable model. There is a lot of information available on the internet related to start-ups, crowd funding such that one can do it on their own which gives them good exposure in that entire journey. He also motivated students to visit Silicon Valley to get outstanding exposure which will boost their confidence level. He explained the cases in which people begin a venture at the age of 30 where one is well aware of the industry scenario and knows how to make money. Through a start-up, one can have one’s unique story which helps to get scholarships for further studies and the confidence level increases with university’s support. He also shared the vision of Shri. N. Chandrababu Naidu, Chief Minister of Andhra Pradesh and added that the ecosystem you sit in really matters; it is not only to build up the buildings but of human beings who are able to guide, inspire and motivate you for the tough days. Ecosystem should continuously motivate you even if you fail for the effort you put and not for the output you get. The students at

GTU have an advantage that every learning in this field will be a part of their degree certificate as they are a part of progressive valley. Start-up begins with idea, prototype building, customer attention, funding and eventually getting success. Entrepreneurship is a mixture of science and arts. At the end, he congratulated GTU for building such an ecosystem where students have access to self-learning and peer technology concept.

Day - 2 (9th August, 2015 - Sunday)

Session- 1: Building Start-up Ecosystem by blending Entrepreneurship in curriculum – Success stories from USA by Dr. Jimmy Gandhi, California State University, USA

Session- 2: Round table discussion on promoting Entrepreneurship through faculty interventions – Journey Beyond the books

Mr. Naresh Jadeja, Deputy Director - GTU welcomed **Dr. Jimmy Gandhi, California State University, USA** and explained the agenda of workshop on how to bring entrepreneurship in the curriculum of GTU framework and also to give clarity to the students by giving them insight regarding to the Minor and Specialization in Technology Entrepreneurship.

Dr. Jimmy Gandhi, California State University, USA started his presentation by introducing the environment and the profile of California State University along with the centers related to innovation, entrepreneurship and research. He discussed the unique programs like Honors Co-Op and Design Clinics undertaken at CSU in partnership with industry wherein the students showcase their project which is being later evaluated by industry people. He started discussion on Innovation and Entrepreneurship by asking open ended questions and seeking everyone's view which was followed by explaining the activities being carried out at Ernie Schaeffer Center for Innovation & Entrepreneurship, CSUN which included the following:

- Incorporating creative thinking tools in the curriculum
- Incorporating Service Learning as an Innovative Learning tool in Engineering
- Research in Social Sustainability & Social Entrepreneurship
- Entrepreneurship study with an international context & International Entrepreneurship Countries

He suggested that skills need to be imparted into students and there is no substitute to hands on experience. One needs to develop a thought process and know what the employers are looking for and hence one needs to think differently to create a competitive advantage. Entrepreneurship is a buzz word and it only comes into existence when there is something innovative and also when you map the unmapped needs of the customer by understanding the voice of customer. He said that 90-95% innovations are incremental and leads to innovative product. He also suggested to go through Shark Tank video to get insight about start-ups.

Dr. Gandhi discussed the concern of Venture Capitalist which included payback, mitigation of risk along with certain percentage of profit. He also answered a question raised by a student in detail regarding to process innovation. Then he started explaining about the entrepreneurial ecosystem, innovation process, primary stake holders in the ecosystem and the entrepreneurial competencies.

He advised that large universities should go to government for funds and make them realize that it could be an investment. He also said that recommendations are not worth if they are not implemented and added that risks are high at the beginning of implementation and goes down with

entrepreneurial lifecycle. He presented the domains of ecosystem which are as follows and explained each one in detail:

- Policy
 - Leadership
 - Government
- Finance
 - Financial Capital
- Culture
 - Success Stories
 - Societal Norms
- Supports
 - Infrastructure
 - Support professions
 - Non-government institutions
- Human Capital
 - Labour
 - Educational Institutions
- Markets
 - Early customers
 - Networks

He briefed about a new approach to entrepreneurship namely Systems Engineering Entrepreneurship and gave an example of Think[box] Draft Master Plan.

He ended the session saying that having an entrepreneurial mind-set takes you way ahead of others and incorporating the best practices in the particular environment will help to achieve huge success and also congratulated GTU for starting Minor/Specialization in Technology Entrepreneurship at bachelor's level which will encourage the students to transform an idea into implementation at a young age.

Mr. K Thyagrajan, Mentopreneur& Visiting Faculty, iCreate started saying that the current environment for the entrepreneurship start-up is at its peak. You cannot generalize entrepreneurial journey for everybody but once started the nuances could be vastly different. Technical background and danger of thinking are some of the challenges an entrepreneur needs to overcome. One needs to identify the strengths and weakness with the help of family and friends. Also one needs to scale up the ideas. There is a myth that entrepreneurship is a lot better than being an employee. Also often a technical person ends up by doing non-technical start-up. One needs enough competency and capability for the entire journey and an honest assessment of one's self ends up in lowest risk start-up. Planning is very important to reach a destination, destinations often change but having a road map proves to be fruitful.

He advised the students to build mutual trust and respect among the team as supplementary and complimentary skill set are needed along with soft talent and advised the university to incentivise the good professors who mentors the team. Great products are developed with diversity in team members. Also recognize the valuable qualities of other people which might help you in your start-up. He also said that never get into entire journey thinking that your idea is the best one because out of most successful start-ups, ideas comes much later and added that always go for smart and scalable enterprise and be open to changes. One needs to reach the threshold after which one will

be able to scale, first build value then go for valuation. He ended his speech saying that entrepreneurship is a worthwhile journey, not an easy journey. He also said that many people are involved in formation of start-up policy and hence government will come up with better policy soon. He also explained regarding various short term courses going on in iCreate and added that one needs to build solid value proposition and a solid team along with an idea.



Dr. Jimmy Gandhi, Mr. K Thyagrajan & Mr. Naresh Jadeja during the session

Mr. Naresh Jadeja, Deputy Director – GTU gave a presentation to clear the doubts of students related to Minor and Specialization in Technology Entrepreneurship. He explained that it is an additional learning which will go hand in hand with the current syllabus, but at the same time it is not mandatory rather it is optional. Students may opt for this scheme if they want to enhance their skills into entrepreneurship and start-ups. Currently it is being offered to Degree Engineering students only as it is a four year course so it may become easy to spend certain hours for this scheme along with the regular course work. Mr. Jadeja also discussed the entry point which for Minor is not later than beginning of 6th semester and not before 4th semester and for Specialization which is not later than beginning of 7th semester. The additional engagement for gaining Minor or Specialization shall be only with the incubator.

The presentation included the following criteria for Minor in Technology Entrepreneurship:

- 15 Credits required for whole program.
- 2 MOOC Courses of 3 credits each will be offered by TBI (Technology Business Incubator).
- Remaining credits to be earned by Mini Project, Boot Campus etc.

Following are the criteria for Specialization in Technology Entrepreneurship:

- No Credits requirement.
- 1 MOOC Course will be offered by TBI (Technology Business Incubator).
- Performance is criteria to complete requirements are as follows:
 - ✓ Revenue generation
 - ✓ Profit generation
 - ✓ Fund raising

✓ Patents granted and many more.

He also discussed the selection process and the fees will be as per the criteria decided by the TBI's. He briefed regarding the format of degree certificate, transcript and also about the incubators which are having collaboration with GTU and those which will help the students to get the Minor and Specialization in Technology Entrepreneurship. He also explained the advantages for opting the above subject as the students will get exposure to incubators and find numerous opportunities when entrepreneurship and ecosystem comes together. The session ended by answering the questions raised by the students.

Mr.NareshJadeja summarized the session adding the notes to make pre-incubation centre in University for awareness of the start-up community. One of the ways to compete for such system is to go outside, get competency of the subject matter and get certificate/ rewards. We have to rigorously focus on Weightage, curriculum, Institute power and motivate students. He also thanked Dr. Jimmy Gandhi and Mr.Thyagrajan for sparing their valuable time and giving insight regarding student entrepreneurship and also to the audience for their active participation in such GTU events.



Audience during the workshop

MEDIA COVERAGE

Kerala mandated support at univ level, Andhra Pradesh at district level

Student start-ups in Gujarat need govt backing: GTU V-C

ADVA
7-8-18

dna correspondent vedantkumar

Academia leaders are seeking greater support from state governments in promoting student start-ups, and believe the state's role is vital in nurturing student entrepreneurs. University heads were unanimous in this while addressing the audience at an event on Saturday held to celebrate a tie-up between Gujarat Technological University, Startup Village, MICA and GVFL to support student start-ups.

"We also want the government to facilitate spaces across the state, in the heart of cities, where student start-ups

STARTUP VILLAGE AND MICA ARE NOW EMANELLED AS TECHNOLOGY BASED INCUBATOR (TBIS) TO MENTOR STUDENTS OF GTU

can validate their business ideas," said Agarwal during the ceremony of signing of agreements with Kochi-based Startup Village, Gujarat Venture Finance Limited (GVFL) and Andhra Institute of Communication and Advertisement (MICA). GTU is also coming up with 25 Community Innovation and Co-Creation Centres (CICCs), where students innovate using inter-disciplinary and multi-disciplinary approach.

Sources in the know of things, citing the role state governments can play in



(Left to Right) Jitendra Lilasi, in-charge registrar of GTU; KP Isaac, vice chancellor of Kerala Technological University (KTU); Akshai Agarwal, vice chancellor of GTU; and Sanjay Vijaykumar, chairman of board of Startup Village while signing of MoU between GTU and Startup Village

'GTU'S STUDENT STARTUP POLICY NEAR PERFECT'

Sanjay Vijaykumar, chairman of the board of Startup Village said that the Student Startup Policy is near perfect and Kerala government has adopted it with minor modifications. Kerala government has made it mandatory for all universities of the state to come up with a student entrepreneurship policy. "GTU's is extremely comprehensive. Other states are following it. Here we are benchmarking ourselves with Silicon Valley and we admit that we have a long way to go. This is a very honest admission. The kind of autonomy exerted by GTU is unparalleled in the country," said Vijaykumar.

promotion of startups, told dna that Andhra Pradesh chief minister Chandrababu Naidu, has ordered all district administrators to provide co-working space for student start-ups. Vice chancellor of Kerala Technological University, KP Isaac, said at the event that Kerala government has mandated all universities in the state to

ON THE CARDS

GTU to set up 95 modern workshops, 25 co-creation centres

Close to 4,000 GTU students seek entrepreneurship training

GVFL got a SEBI nod for Rs200 crore start-up fund

Students getting outdated training, say experts

GTU's entrepreneurship courses novel, says KTU V-C

come up with incubators for enterprising students.

Regarding the novel courses started by GTU, Isaac said that it is for the first time in academia that external agencies will benchmark students of universities. "Traditionally it is the university who examines the students. Here students can go out of campus for

one year, do something and come back," he said.

Startup Village and MICA are now empanelled as Technology Based Incubator (TBIS) to mentor students of GTU who will be selected for two courses, ie, BE (Technology Entrepreneurship) and BE (Minors in Technology Entrepreneurship). So far close to 4,000 student teams have registered themselves for the course. GVFL on the other hand will provide venture funding to the start-ups, who have proven themselves and need funding to take them to the next level.

Students are getting same workshop training I got about 50 years ago. So we are coming up with 95 modern workshops for contemporary training. We want the state government to help us out on this front.

AKSHAI AGARWAL, vice chancellor, GTU



Traditionally, it is the university who examines the students. Here students can go out of campus for one year, do something and come back."

KP ISAAC, vice chancellor, KTU

વિદ્યાર્થીઓ સપના સાકાર કરવાની દિશામાં કામગીરી શરૂ

રાજ્યના મોટા શહેરોમાં જીટીયુ સ્ટુડન્ટ સ્ટાર્ટ અપ સેન્ટર શરૂ કરશે

વિદ્યાર્થીના ડ્રીમ પ્રોજેક્ટને સ્ટાર્ટ અપ તરીકે સાકાર કરવા જીટીયુ દ્વારા ત્રણ સંસ્થા સાથે કરાર નવગુજરાત સમૂહ > અમદાવાદ

વ-જીપી

ગુજરાત ટેકનોલોજિકલ યુનિવર્સિટી (જીટીયુ) રાજ્ય સરકારના સહયોગથી રાજ્યના મોટા શહેરોમાં સ્ટુડન્ટ સ્ટાર્ટ અપ સેન્ટર સિસ્ટમના સેન્ટરો વિકસાવશે. જેમાં તમામ યુનિવર્સિટીના વિદ્યાર્થીઓ અને ઉદ્યોગ સાહસિકો જઈને પોતાના સપના સાકાર કરવાની દિશામાં કામગીરી કરી શકશે. આવા સેન્ટરોમાં ફેલ લેવે તેથી અંતર્યામી કેશિકેશન લેખોરેટરીમાં તમામ પ્રકારની અભ્યાસિક સુવિધાઓ ઉપલબ્ધ બનશે. આ અને જીટીયુના કુશલતા ડો. અશ્વય અગ્રવાલ દ્વારા સેનાવાર જાહેરાત કરવામાં આવી હતી. ઉપરાંત વિદ્યાર્થીના ડ્રીમ પ્રોજેક્ટને સ્ટાર્ટ અપ તરીકે સાકાર કરવા જીટીયુ તરફથી ત્રણ સંસ્થાઓ સાથે કરાર પક્ષ કરવામાં આવ્યો છે.

પ્રાપ્ત માહિતી અનુસાર અભિવ્યક્તિ કોલેજના વિદ્યાર્થીઓ પોતાના સ્વપ્ન સમાન અભ્યાસલક્ષી પ્રોજેક્ટનું સ્ટાર્ટ અપમાં રૂપાંતર કરી શકે તે હેતુસર જીટીયુએ ગુજરાત વેન્ચર કાઉન્સિલ ટ્રિપલેટ, સ્ટાર્ટ અપ વિલેજ અને માર્કેટ ઈન્ફ્યુએટર સાથે હાથ મિલાવ્યા છે. આ બાબતના ત્રણ કરાર પર શનિવારે સહી સિક્કા કરવામાં આવ્યા હતા. જીટીયુ તરફથી સ્ટાર્ટ અપને સહયોગ બનાવવા અનેક બેંકો અને કાર્પોરેશનનું આયોજન કરવામાં આવ્યું છે. ઉદ્યોગલક્ષી માનસિકતા ધરાવતા સાહસિકોને પ્રોત્સાહન અને પીઠ્ઠાળ પુરું પાડવા 100થી વધુ કોલેજોમાં વિવિધ પગલા લેવામાં આવ્યા છે.

વિદ્યાર્થીઓમાં અભ્યાસની સહાય સાથે ઉદ્યોગ સાહસિકતાના ગુણ કેળવવા તેના માટે જીટીયુ રાજ્ય સરકારના સહયોગથી આ યોજનાના અમલ માટે ભલામણો મંગાવે છે. હાલમાં જીટીયુએ રાજ્ય

વિદ્યાર્થીને આંતરપ્રેન્ચોર બનાવવા GTUમાં 2014માં શરૂઆત કરાઈ હતી

GTUની થીમ પર હવે કેરળમાં ઉદ્યોગ સાહસિકોને તાલીમબદ્ધ કરવામાં આવશે

પ્રતિભા, અમદાવાદ

વિદ્યાર્થીઓને શિક્ષણની સાથેસાથે ઉદ્યોગ સાહસિક બનાવવા ગુજરાત ટેકનોલોજિકલ યુનિવર્સિટી (જીટીયુ) એ વર્ષ 2014માં 'સ્ટુડન્ટ સ્ટાર્ટ અપ પોલિસી' શરૂ કરી છે. આ પોલિસીને મજબૂતી સફળતાને પગલે કેરળ ટેકનોલોજિકલ યુનિવર્સિટી જીટીયુની આ પોલિસી અપનાવી શકી છે, જેનો ત્યાં જૂન-2015થી શરૂ થઈ રહેલા સત્રથી અમલ થશે.

રાજ્યના એક માત્ર ટેકનોલોજિકલ યુનિવર્સિટી જીટીયુની આ પોલિસીને 4 વર્ષ બાદ નવેમ્બર-2014માં 'સ્ટુડન્ટ સ્ટાર્ટ અપ પોલિસી' ઘરાઈ હતી. વિદ્યાર્થીને ઉદ્યોગ શરૂ કરવો હોય તો શું કરવું, ઉદ્યોગ સાહસિક બનવા ઉચ્છુક વિદ્યાર્થીઓને જરૂરી જ્ઞાન મેળવવા માટે સવલત ઊભી કરવી, આર્થિક સહાય આપવા સહિતની બાબતોને જીટીયુની પોલિસી અપનાવવાની વાતને સમર્પન આપતાં કેરલા ટેકનોલોજિકલ યુનિવર્સિટીના વાઈસ ચાન્સેલર ડો. આઈએસ દુરોરિયાએ શનિવારે કહ્યું હતું કે, 'જીટીયુની પોલિસીને અને સંપૂર્ણપણે અપનાવી લીધી છે, સ્વીકારી લીધી છે. બીજા તરફ ભારતમાં આ પહેલાં કોઈ પણ યુનિવર્સિટી દ્વારા વિદ્યાર્થીઓમાં રહેલી ઉદ્યોગ સાહસિકતાને પ્રોત્સાહન આપવા માટે આવા સારાં પગલાં લેવામાં ન હોવાનું જીટીયુના સત્તાધીશોએ કહ્યું છે.

જીટીયુએ 2015-16ના શૈક્ષણિક સત્રથી આ પોલિસી અંતર્ગત આંતરપ્રેન્ચોરિયન લગતા નવા કોર્સ વડુ કર્યા છે, જેમાં અમદાવાદની 5 શૈક્ષણિક સંસ્થાને સહકાર આપવા આદેશ કર્યો છે. જે અંતર્ગત આઈઆઈએમએમ-વેન્ચર સ્ટુડીયો, અમદાવાદ યુનિવર્સિટી, માઈકા, આઈકિનેટ જેવી સંસ્થાઓ સહકાર પુરું પાડશે.

અમારા માટે ગૌરવની વાત છે

'કેરળ ટેકનોલોજિકલ યુનિવર્સિટીએ જીટીયુની સ્ટાર્ટ અપ પોલિસી અપનાવી તે અમારા માટે આનંદ અને ગૌરવની બાબત છે. આંધ્રપ્રદેશના સ્ટાર્ટ અપ પોલિસીના સીઈઓ સંજય વિજયે પણ રાજ્યની યુનિવર્સિટીઓને આ પોલિસી સ્વીકારવા માટે અનુરોધ કર્યો છે. તે પણ આવકર્ષક છે.'

ડો.કે. અશ્વય અગ્રવાલ, કુશલતા, જીટીયુ

વિદ્યાર્થીઓના ડ્રીમ પ્રોજેક્ટ માટે GTUના ત્રણ સંસ્થા સાથે કરાર

અમદાવાદ, શનિવાર

એન્જિનિયરીંગના વિદ્યાર્થીઓ પોતાના સ્વપ્ન સમાન પ્રોજેક્ટને વાસ્તવિક જીવનમાં સાકાર કરી શકે તે હેતુથી ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી (GTU) એ ત્રણ સંસ્થા સાથે કરાર કર્યા છે. જીટીયુના વાઈસ ચાન્સેલરે આ અંગેની કેટલીક મહત્વની જાહેરાત કરી છે. જેમાં ગુજરાત સરકારનાં સહયોગથી રાજ્યનાં મોટા શહેરોમાં સ્ટુડન્ટ સ્ટાર્ટ અપ સપોર્ટ સીસ્ટમ (S-4) નાં સેન્ટરો પણ વિકસાવાશે.

ગુજરાત સરકારની મદદથી રાજ્યનાં મોટા શહેરોમાં સ્ટુડન્ટ સ્ટાર્ટ અપ જેવી સપોર્ટ સીસ્ટમનાં સેન્ટરો વિકસાવાશે

આવા સેન્ટરોમાં જઈને કોઈપણ યુનિવર્સિટીનાં વિદ્યાર્થી અને ઉદ્યોગ સાહસિકો પોતાના સપનાં સાકાર કરવાની દિશામાં આગળ વધી શકશે. સેન્ટરોમાં ફેબ લેબ તરીકે ઓળખાતી કેબ્રિકેશન લેબોરેટરી એટલે કે સી-આઈ-સી-૩ વર્કશોપમાં તમામ પ્રકારની લેટેસ્ટ સુવિધા ઉપલબ્ધ કરાવાશે.

જીટીયુના વીસી ડૉ. અક્ષય અગ્રવાલે જાહેરાત કરી છે કે આ બાબતનાં ત્રણ કરાર પર શનિવારે જ સહી સિક્કા થઈ ગયા છે. હવે પછી ઉદ્યોગલક્ષી માનસિકતા ધરાવતાં સાહસિકોને પ્રોત્સાહન અને પીઠબળ પૂરું

પાડવા ૫૦૦થી વધુ કોલેજોમાં બે પ્રકારનાં પગલા લેવાશે. વિદ્યાર્થીઓ ટેકનોલોજી આંતરિનીયો રશીપમાં માઈનોર અને સ્પેશ્યલાઈઝેશન એમ બે પ્રકારનાં ખાસ કોર્સ કરી શકશે.

જીટીયુ દ્વારા બે દિવસીય કાર્યશાળા શરૂ કરાઈ છે. જેમાં નીતિવિષયક દસ્તાવેજો તૈયાર કરાશે. સ્ટુડન્ટ સ્ટાર્ટ અપ ઈકો સીસ્ટમ ઘડવામાં મદદરૂપ થઈ શકે તે હેતુથી સરકારી વિભાગોમાં સુપરત કરાશે. પરિષદમાં કેલેક્ટોરિયા સ્ટેટ યુનિ. નાં પ્રોફેસર જિમ્મી ગાંધી પોતાના અનુભવો કહશે.

એજ્યુકેશન | જીટીયુના ત્રણ સ્ટાર્ટ અપ કંપની સાથે કરાર

અમદાવાદ | એન્જિનિયરિંગ કોલેજોના વિદ્યાર્થીઓ અભ્યાસલક્ષી પ્રોજેક્ટનું સ્ટાર્ટ અપમાં રૂપાંતર કરી શકે એ માટે જીટીયુએ ગુજરાત વેન્ચર ફાઈનાન્સ, સ્ટાર્ટ અપ વિલેજ અને માઈક્રો ઈન્ક્યુબેટર સાથે કરાર કર્યા છે. આ માટે જીટીયુ દ્વારા ટેકનોલોજી બિઝનેસ ઈન્ક્યુબેટરની પેનલ બનાવાઈ છે. તેની સાથે સંકળાઈને વિદ્યાર્થીઓ ટેકનોલોજી આંતરપ્રેન્યોરશીપમાં માઈનોર અને સ્પેશ્યલાઈઝેશન બે પ્રકારના ખાસ કોર્સ કરી શકશે.

So far more than 4,000 requests have been received; 2,000 are from Saurashtra region

Student applications flood GTU's incubation centre

Keyur Dhande @KeyurBDhande

Ahmedabad: State apex educational body for technology education is flooded with close to 4,000 requests from student teams to pursue entrepreneurial ambitions. While it poses a challenge for the authorities to fulfill their commitment, they say new facilities will be created if present ones do not suffice.

Gujarat Technological University (GTU) had in June this year started two courses - BE (Technology Entrepreneurship) and BE (Minors in Technology Entrepreneurship). Students selected for the courses will get incubation and mentoring at the Technology Business Incubators (TBIs) affiliated to GTU.

Local incubators like Conculator of MICA - Ahmedabad and Startup Village of Kochi had been empanelled as TBIs by GTU on Saturday when the university signed a memorandum of understanding with the incubators. GTU vice chancellor Akshai Agarwal believes that incubators so far not empanelled will soon come on board.

GTU sources said that the university has got over 3,900 applications from student teams from colleges across Gujarat for BE



GTU sources said that the university has got over 3,900 applications from student teams from colleges across Gujarat for BE courses. — File photo

courses. Of these over 2,000 are from Saurashtra region, 645 are students of final year, 1,345 are from the students of third year and 1,040 are from the students of second year. Faculty-wise 387 students are from IT and Computer Engineering faculty.

"We did not expect such a response," GTU VC Akshai Agarwal told dna. He believes that the move will go a long way in getting sufficient supply to the TBIs in the

state. "TBIs are not getting incubatees. The supply side will come only from tech universities. Unless we are able to create a supply, they will not get teams," he said.

All the student teams were subjected to orientation workshop on August 8-9, following which they will be screened to enroll the selected team for the course. Sources in the know of things are sure that at least 100 good startup teams would emerge and by the end of Au-

gust, when the real picture will emerge. To a question on whether there are proper facilities to match the requirements, the VC said that GTU has its own facility as well and affiliated colleges can come up with their own facilities if needed.

"At no point we encountered a lack of response from the students. They are definitely eager but there are not enough facilities," said Agarwal.

At a recent function in the city, Agarwal proposed IT industry body National Association of Software Services Companies (NASSCOM) to provide mentors to its student startup in IT fields. "They have close

to a lakh members. We only need about 3,000 of them. If this happens, my work is done," he said. GTU is also in touch with alumni associations of its affiliate colleges and is hopeful that they will also chip in with the support. Alumni of Ahmedabad-based LD College of Engineering and Morbi Engineering College have already pledged support to the university.



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