



KNOWLEDGE INCUBATION FOR TEQIP, IIT KANPUR

UP Startup Conclave on Entrepreneurship & Innovation in Academic Institutions: Challenges and Opportunities

March 18-19, 2017



Entrepreneurship and business play a vital role in the economic and social development of a nation. Entrepreneurs are essential part of a growing economy because they can effect growth of any nation by creating wealth for the country, creating jobs and innovating. In addition, they bring a significant socioeconomic impact through their products and investments towards improvement of nation. This workshop was aimed toward changing the mindset of teachers and students towards entrepreneurship. Several lectures and discussion sessions in this workshop focused on making teachers aware of benefits of putting the kernel of entrepreneurship in young minds in addition to imparting technical knowledge that are part of the regular curriculum. It was emphasized that they need to nurture innovative ideas of their students and teach them how to convert these ideas into meaningful businesses to respond to the emerging needs of a society. Through this workshop, teachers and students got acquainted with the process of converting a viable innovative idea/research into a valuable product and the final outcome being generating entrepreneurs. Entrepreneurs from different domains were invited to share their success stories and challenges faced by them.

TOPICS DISCUSSED

- Ideation and Importance of Entrepreneurship
- Elements of TBI Infrastructure and Challenges
- Importance of IP Management
- Introducing ISBA and experiences of running a TBI
- IP commercialization
- Steps to Incorporate a Company and compliances
- Interaction: On government funding avenues to the Incubator and Startup Companies
- Social Entrepreneurship Concepts and Examples
- Challenges faced by Entrepreneurs:
Four young entrepreneurs to be invited from different domains
(Technology/IOT/Social/E-commerce)
- Startup Initiatives and Policies
- Development of Innovation and Incubation Center
- The Biggest Challenges for New Entrepreneurs
- Importance of entrepreneurship and services of IEDUP for the startups/
Enterprise promotion

SPEAKERS

- Dr. Ashutosh Khanna, Associate Professor, IMI, New Delhi
- Prof. Sameer Khandekar, Coordinator SIIC, IIT Kanpur
- Mr. R.K. Agarwal, Alumni, IIT Kanpur, MD, Netplast, President TIE UP
- Mr. Ravi Pandey, IP management officer, IIT Kanpur
- Dr. Raghunandan Rajamani, Executive Director Indian STEPs & Business Incubators Association
- Mr. Arvind Chopra, Vice President-Patents in Intrust Global of Kanoria Group, Delhi
- Mr. Yogi Srivastava (CS) and Ms. Swati Omer, (CA)IITK
- Mrs. Jaya Gupta, SIDBI Bank
- Mr. Gurmeet Anand, AVP Micro Financing, Margdarshak Financial Services
- Prof. Bharat Lohani, Faculty Entrepreneur, IIT Kanpur
- Dr. Abhijit Sathe, CEO INVENT Program SIIC
- Mr. Amit Gupta, GT Silicon Pvt Ltd.
- Dr. Sandip Patil, E-Spin Pvt Ltd.
- Mr. Eshan Sadasivan, ProsocPvt Ltd.
- Ms. Aparna Jain, Brainpan Pvt. Ltd.
- Mr. Rachit Agarwal, Founder- UR Services IFTM Moradabad
- Dr. Neelam Srivastava, Chief Project Coordinator, SPFU UP, Lucknow
- Mrs. Vibha Tripathi, Institute of Entrepreneurship Development UP

PARTICIPATING INSTITUTES

Institute	Number of Participants
ZHCET, Aligarh Muslim University	5
HBTU Kanpur	3
IET Lucknow	4
Faculty of Engineering and Technology MJP Rohilkhand University Bareilly	6
College of Engineering, Kidangoor	2
Rajkiya Engineering College, Mainpuri	1
UIET, M.D. University Rohtak	7
Rajkiya Engineering College, Kannauj	16
Maulana Azad National Institute of Technology, Bhopal	2
Sri Siddhartha Institute of Technology, Tumkur.Karnataka	2
Manikya Lal Verma Textile & Engineering College, Bhilwara	1
Dr. Ambedkar institute of Technology for Handicapped, UP	2
KNIT Sultanpur	22
MMMUT Gorakhpur	1
College of Engineering, Cherthala, Kerala	1
UNS. Institute of Engineering & Technology; Technology vbs Purvanchal University Jaunpur, UP	1
SATI,Vidisha	2
BVM Engineering College	6
Dr. B.R. Ambedkar National Institute of Technology, Jalandhar	2
IFTM University, Moradabad	5
BIET Jhansi	6
MNNIT Allahabad	1
Total	98

WORKSHOP SCHEDULE

Day -1

Technical Session 1	
09:00 to 09.30	Registration
9.30 to 10.00	<p>Opening Ceremony, Welcome address by dignitaries: Mrs. Monika S. Garg, Principal Secretary, Minor Irrigation Department, UP government, Lucknow Dr. Sameer Khandekar, Coordinator SIIC, IITK Dr. Pankaj Wahi, Knowledge Incubation for TEQIP, IIT Kanpur Dr. Raghu Raj, Director, KNIT Sultanpur Dr. Neelam Srivastava, Chief Project Coordinator, SPFU UP, Lucknow</p>
10:00 to 11.30	Lecture: Ideation and Importance of Entrepreneurship - Dr. Ashutosh Khanna, Associate Professor, IMI, New Delhi
11:30 to 12:00	Tea/ Networking
12:05 to 12.50	<p>Lecture: Elements of TBI Infrastructure and Challenges Prof. Sameer Khandekar, Coordinator SIIC, IITK</p>
12.55 to 13:30	<p>Inspirational Talk : Meet our successful local entrepreneur - Mr. R.K. Agarwal, Alumni, IIT Kanpur, MD, Netplast, President TIE UP</p>
13:30 to 14:30	Lunch
14:30-15.00	<p>Lecture: Importance of IP Management by Mr. Ravi Pandey, IP management officer SIIC, IIT Kanpur</p>
15.00 to 15.45	<p>Introducing ISBA and experiences of running a TBI by Dr.Raghunandan Rajamani, Executive Director Indian STEPs & Business Incubators Association</p>
15:45 to 16:00	Tea/Networking
16:00 to 16:45	<p>Lecture: IP commercialization by Mr. Arvind Chopra, Vice President-Patents in Instrust Global of Kanoria Group</p>
16:45 to 17:15	<p>Steps to Incorporate a Company and compliances- Mr. Yogi Srivastava (CS) and Ms. Swati Omer (CA) SIIC, IIT Kanpur</p>
17:15 to 17:45	<p>Interaction: On government funding avenues to the Incubator and Startup Companies 1. Dr. Raghunandan Rajamani 2. Mrs. Jaya Gupta , SIDBI Bank</p>

	3. Mr. Gurmeet Anand- Micro Financing, Margdarshak Financial Services
17:45 to 18:30	
18:30 to 18:40	Day- 1 Closure
19:30 Onwards	Workshop Dinner at Outreach Lawn

Day 2

Technical Session 1	
9:00 to 9:45	Lecture: Prof. Bharat Lohani: Faculty Entrepreneur
9:45 to 10:30	Lecture: Social Entrepreneurship Concepts and examples: Dr. Abhijit Sathe, CEO INVENT Program SIIC
10:30 to 11:00	Tea/ Networking
Technical Session 2	
11:00 to 12:00	Challenges faced by Entrepreneurs
	Four young entrepreneurs incubated at SIIC <ul style="list-style-type: none"> • Mr. Amit Gupta (GT Silicon Pvt Ltd.) • Dr. Sandip Patil (E-Spin Pvt Ltd.) • Mr. Eshan Sadasivan (Prosoc Pvt Ltd.) • Ms. Aparna Jain (Brainpan Pvt. Ltd.)
12:00 to 12:15	Startup Initiatives and Policies: Dr. Neelam Srivastava, SPFU UP, Lucknow
12:15 to 12:30	Development of Innovation and Incubation Center Dr. Harsh Vikram Singh, Coordinator: Innovation and Incubation Center, Kamla Nehru Institute of Technology, Sultanpur
12:30 to 12:45	The Biggest Challenges for New Entrepreneurs by Mr. Rachit Agarwal Founder- UR Services (IFTM Moradabad)
12:45 to 13:00	Importance of entrepreneurship and services of IEDUP for the startups/ Enterprise promotion by Mrs. Vibha Tripathi, Associate Faculty Member, Institute of Entrepreneurship Development UP
13:00 to 13:30	Closing ceremony followed by lunch

SUMMARY of FACULTY FEEDBACK

Workshop

Questions	Excellent	Good	Ordinary
Clarity of communication about workshop	20	15	
Organization of the sessions	20	15	
Quality of lectures	21	14	
Quality of posters	6	17	6
Effectiveness of discussions	16	13	3
Effectiveness of learning experience	14	14	2
	Appropriate	Short	long
Duration of workshop	19	13	1
	Definitely	Maybe	No
Would you like to have more such sessions?	28	7	
Would you like e-lectures by experts on special topics?	23	8	
Suggest specific topic that you would like additional expert lectures on	<ul style="list-style-type: none"> • New innovation ideal in social entrepreneurship • How can these incubation help the local govt engineering colleges. • Energy security and cheaper technology to produce drinking water. • Challenges of caste based system in india on entrepreneurship • Start-ups in rural areas. • Introduction of topics into courses content. • Application of nanotechnology in different areas & entrepreneurship & innovation in industries. • Social entrepreneurship • Green energy entrepreneurs and start-ups • Industry interaction • Practical exposure to stand ups • How to make it easier to seek patents and incubators. • The basic information to start a business with an idea. 		

	<ul style="list-style-type: none">• How to get internet free funds.• How to take the challenges• How to find out the market demand etc.• We should include more case studies & ground reality figures• More detailed description on funding and legal uses while registering a company• Topics related IPR• Topics related to hygiene; agriculture• Topics related to addictions• How to increase capability of thinking innovativity• To motivate from time to time more success & tours to be discussed.• Funding process, legal norms for start-ups• Electronic product designs• Workshop duration should be more days.• Workshop is not conducted as per time schedule.• Specific info regarding, whom to contact for start-ups, now much time it need to start, how much finances is given.• It is better to have site visit to TBI• Integrated industrialization of the state up• Some more practical examples should be discussed. I am satisfied with the content.
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Additional Suggestions

- Time duration is short
- Some hands on sessions for production of pure water & bio-fuel
- Experience of rural entrepreneur should be added.
- Industry- institute programs should be appritiated.
- Some out door activities should be there like site visit of new start-ups companies.
- Wish us all the best for future summits.
- The procedure for starting an idea into a good business should be given more important.
- More lectures from entrepreneurs should be there.
- Please provide better accommodation facility. The rooms provided were dirty, bed sheets were full of dust, rooms full of mosquitoes.
- Duration of the program has to be clearly chalked out and slotted w.r.t speakers
- it should be more practical oriented rather than theory & lectures
- hands on workshops may be arranged
- Reduce the share of lecture and give more time to some new entrepreneur to get insight of ground reality.
- It is better to have independent progress for faculty & students. As a faculty, I attended the workshop to help my students if they are having taste towards entrepreneurship.
- Impact required on district level udyog Kendra.
- The only thing I would like to suggest that there should be additional days in the context of the more practical problems the workshop should be around 4-5 days.

Teaching

Which subjects do you teach?	<ul style="list-style-type: none">• Mechanical engg• Material Science• Energy, environment, process control• Thermodynamics, RAC, Design of thermal system, advanced th. Sc.• Electronics & Instrumentation,• Civil engineering• Material science & manufacturing science• Thermodynamics, heat transfer and power generation system• Control, machines, signals etc• Ceramic technology, MEMS, engg mechanics.• Chemistry• Electrical engg.• Mechanical engg,• Bridge engg.• Electronics engg, electronic circuit applied fiber, fundamental of electronics etc• Civil engg, environment engg.• Prof. Comm; Ind. Psychology, Ind sociology, human values• Management• Linear algebra, random process DSP, speech signal processing• Mechanical engg• Computer Aided Manufacturing.• Engg graphics• Mass transfer, heat transfer• Computer programming.
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What is average student to teacher ratio in your institute?	<ul style="list-style-type: none"> • 30:01 • 60:01 • 20:01 • 45:01 • 30:01 • 15:01 			
Questions	YES		NO	
Do you have additional support for teaching (tutors, graders, teaching Assistants, etc)?	20		11	
Do you give class projects for UG classes?	26		5	
Do you give class projects for PG classes?	17		10	
Do you have sufficient resources for laboratory courses?	25		6	
	Sufficient		Inadequate	
Is the library/journal/e-connection support adequate?	20		12	
	Definitely	May be	No	
Would you like to have common (TEQIP) repository of course material?	18	13	00	
Would you like to visit IITK to participate in and develop course material (existing or new)	25	07	00	
Would you like to participate in creation of the repository material (course files/lab. Manuals/question bank/etc)	23	07	04	
	e-courses	Workshops	Content	none
How can IITK effectively help you prepare for teaching?	14	28	08	00

How can TEQIP help improve your teaching?	<ul style="list-style-type: none"> • By providing training • Continual support-phase wise • By providing facilities. • Workshops & conferences • By attending seminars • By providing funds • By practical workshop and facilitate the required instruments. • By facilitating teachers their needs in lab • By managing more workshops, conferences, seminars with live examples. • By practical workshops. • Faculty internship • Encouraging , motivating, taking challenges • More teaching learning workshops. • Organize workshop during summer/winter break. • Organize subject specific workshops. • Providing funds to attend some workshops, seminars, teaching learning programme.
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Research

Questions	Definitely	Maybe	No
Would you like to visit an IIT for a visiting-faculty/post-doctoral fellow ,if offered(via TEQIP)?	30	05	00
Would you like to share/use research infrastructure at IITK, if made available?	30	04	00
Would you like to conduct collaborative research with IITK?	29	04	00
Would you like lectures by experts (Indian and international) on niche research areas/topics?	31	03	00
Do you want special-topic conferences?	23	06	02

How can TEQIP help improve your research?

- By arranging good facility at work place
- By providing assistance and faculties, which are not available in the colleges.
- By providing testing and characterizing facility.
- By providing research infrastructure.
- Incubation idea
- Backup plans
- By facilities like equipments, materials, & other faculties.
- By providing funds.
- By offering a great atmosphere in the specific field
- By getting interaction of faculty members/experts of my domain via workshops and conferences
- A steel money should be available for research projects.
- Workshops and hands on
- TEQIP should help a workshop in which teachers will comeup with their research ideas and TEQIP will help them.
- By organizing more periodic workshops and conferences.
- By making more opportunities in research area by innovative methods.
- By export faculty & mentors.
- Offer faculty internship
- Provide active link with IITs/NITs
- All the TEQIP sponsored institutions should allow their research scholars to avail research facility of each other.
- Funding/networking
- TEQIP give lot of funds for research like they give equipments, money.
- Organize more workshops and FDP

SUMMARY of STUDENT FEEDBACK

Workshop

Questions	Excellent	Good	Ordinary
Clarity of communication about workshop	25	15	
Organization of the sessions	20	20	
Quality of lectures	19	20	
Quality of posters	14	23	
Effectiveness of discussions	11	21	
Effectiveness of learning experience	19	21	
	Appropriate	Short	long
Duration of workshop	31	7	2
	Definitely	Maybe	No
Would you like to have more such sessions?	38	2	
Would you like e-lectures by experts on special topics?	35	5	
Suggest specific topic that you would like additional expert lectures on	<ul style="list-style-type: none"> • Smart health system • Agricultural equipment • Technical topics. • Income tax. • Research area during start up R&D sector. • Financially studies over market strategies, business model plans. • To have more young entrepreneurs on your desk to discuss. • Patent • There can be trade-specific lectures by entrepreneurs successful in particular trade oriented start-ups. • To improve the quality of education on rural areas • On research motivation for students. • Legal aspects for company making along with the procedures with govt. Approvals. • Internet of things wireless sensor networks remote sensing. • Sustainable & conventional MSME • Starting as an entrepreneur. • Overall the workshop was good, but i would like to suggest that. There would be small demonstration of prototype of entrepreneur. 		

	<ul style="list-style-type: none">• Journey of an entrepreneurs from having an idea to developing a prototype. Intelligence security.• How to create a business model• How to present or pitch your idea to the investors.• Converting an idea into product.• Start with introductory lectures on financial terms.• How students belonging from other colleges can work with or use the facility provided by incubation centers?• Social entrepreneurship• Focus on branch specific entrepreneurship• We should focus on education and technical development of student regarding business model development.• Strategy for business development• Most of the students willing to do their own start-ups but they have fear of getting fail. Do something about it.• How to think on the ideas for business.• Entrepreneurship oriented education model/policy for technical institutions.• Technical advancement.• I would like more lectures on initial start-ups means how to go on from the room to global.• The problems facing by entrepreneurs.• Start-ups using some CS/IT field for society.• How to develop self-financed e-cell / how to collect technical info.
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Additional Suggestions

- Just make local coordination for accommodation & other facilities
- Sessions related to solid waste and their utilization will help to develop new ideas.
- Be a technical student, I want more technical work or physical work. If it would there, this would be more and more useful.
- Please organize such activities regularly.
- Always invite non- IITK colleges, it will help their students.
- Advertising more about the workshop so that it can be on the reach of most members.
- There should be a bridge between other institutions and IIT, so that on can explore more.
- Guiding the students on whether the ideas given by them can be implemented and how they can move on with it.
- There should also be emphasis on our ecosystem, environment.
- Encourage students at graduate level.
- Make sessions more interactive.
- Repetition of topics should be avoided.
- More lectures by entrepreneurs will help more.
- Lecture should be conducted in the particular topic.
- It is a nice experience to learn new things. We should focus on e-cell in every institute of country. So then 10 ideas together can make itself a big one. We can't waste the talent of 65% of India's population i.e. youth.

Learning

Questions	Yes	No	
Do you get enough class projects?	18	21	
Is the learning adequate?	23	17	
Do you have sufficient resources for laboratory	9	27	
What is your area of specialization	<ul style="list-style-type: none"> • Civil engineering • Mechanical • Android development and web development. • Curl engineering • Networking • Robotics • IT • Temples • Electronics. • Interested in technical knowledge related electricity & seeking for new invention in fields. • Communication. • WSN • Organizing workshop providing e-lectures(online courses) • Electrical engg. • Computer science & engg (App development) • Mechanical engineering. • Autonomous robotics. • Power system • Electrical power system • Electric power system protection. • 		
	Sufficient	inadequate	
Is the library/journal support/e-connection	21	17	
	Definitely	Maybe	No
Would you like to have common (TEQIP) repository of course material?	34	6	
Would you like to visit IITK to attend specialized courses?	36	2	
Would you like MOOCS/e-resources based courses?	33	4	

How can TEQIP help improve your learning?

- By organizing such fruitful sessions frequently. Nice work going on
- Exposure with others entrepreneurs.
- By organizing more workshops and there is more technical work then theory part.
- In our college officials are not taking guidelines for TEQIP.
- TEQIP help us to improve our technical learning by helping in the setup of labs arranging many workshops.
- By improving college infrastructures.
- It doing its jobs clearly
- I had learned many new ideas how to start our own business.
- We can come across various ideas and talks by experimental personnel regarding the topics.
- It can improve my learning by removing our doubts about start-up & giving effective knowledge to enhance & stepping forward in this area.
- Short term practical hands on experience.
- It can help us by providing us presentations on the life of an entrepreneur and provided online guidance.
- By providing a basic & regular lecture in institutes.
- By providing e-lectures.
- By organizing more workshops, so that we can be exposed to a broad level of our view to the topics.
- By giving fund easily to student.
- It must help in more technical and practical knowledge.
- TEQIP program on entrepreneurship gives various info and made improvement of our knowledge.
- By providing information about several aspects related to start entrepreneurship.
- TEQIP can help us to know more about financial knowledge.
- Gave me a lot of experience for my future planning.
- By providing us better learning facilities, like increasing the no of sources.
- Teqip is required to improve lab status in state government colleges by providing latest knowledge.
- Organizing workshops, providing online course, adding new element in course.
- By organizing such workshops and providing resources on web.
- It helps a lot because of organizing such outstanding interaction program.
- Request you to make more workshop on this.

	<ul style="list-style-type: none"> • Industry collaboration, workshops, project funding. • Lab quality at good centres for b.tech • May be organizing more workshops on trending subjects. • I am having also clear idea regarding this but still it helps a lot to me in very side.
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Research

Questions	Definitely	Maybe	No
Would you like to visit an IIT for a short visit /internship/post-doctoral stint ,if offered(via TEQIP)?	38	2	
Would you like to share/use research infrastructure at IITK, if made available?	38	2	
Would you like to conduct collaborative research with IITK faculty?	37	3	
Would you like lectures by experts (Indian and international) on niche research areas/topics?	35	5	
Do you want special-topic conferences?	24	16	

How can TEQIP help improve your research?

- Afford money and international workshops
- By providing project and give some task what will cover on workshop.
- Help me to engage in TEQIP activities. Student should enjoy with professors in institute.
- It help me by providing proper platform and mentors and resources.
- Providing latest machines in the college.
- Researches are made great by surveys and feedbacks which teqip can facilitate.
- It can help me to remove our fault in the research ideas & give more relating knowledge where I am lacking in research field.
- By providing assistance for as much as practical projects it can.
- Provide shared resources at IITK or other premises
- By providing us a platform where we can be guided on carrying on with our ideas.
- By organizing more workshops.
- Providing labs in institute.
- Encourage me very much.
- Providing lab assistance qualified mentors and sometimes funding.
- Provide a session for business model development
- By providing funds
- Innovation centers, conferences guidance.
- By providing such workshop on technical and entrepreneurships topics as well.

THE DESIGN OF THE COURSE

A.	Were objective of the conclave clear to you	Yes			No	
		1	2	3	4	5
		73			01	
B.	The content met with your expectations 1.Strongly disagree 5.Strongly agree	01	01	19	30	22
C.	The lecture sequence was well planned 1. Strongly disagree 5.Strongly agree	03	02	17	28	23
D.	The content were illustrated with 1.Too few examples 5.adeqate examples	05	07	12	27	22
E.	The level of lectures were 1.Too low 5.Tool high	02	04	15	34	18
F.	The course content compared with your expectations 1.Too theoretical 5.Too empirical	07	06	23	24	13
G.	The conclave exposed you to new knowledge and practices 1. Strongly disagree 5.Strongly agree	04	00	08	24	37
H.	Will you recommend this to you colleagues? 1.Not at all 5.very strongly	01	01	03	19	49

THE CONDUCT OF THE CONCLAVE

		1	2	3	4	5
A.	The lectures were clear and easy to understand 1. Strongly disagree 5.Strongly agree	00	01	07	34	31
B.	The teaching aids were affectively used 1. Strongly disagree 5.Strongly agree	00	05	05	32	31
C.	The material handed out was adequate 1. Strongly disagree 5.Strongly agree	05	05	10	30	23
D.	The instructor encouraged interaction and were helpful 1. Strongly disagree 5.Strongly agree	01	00	13	21	38

Venue & Services

		1	2	3	4	5
A.	Onsite services	00	03	07	21	36
B.	Catering at the conference	01	00	10	22	36
C.	Accommodation	06	09	14	10	24
D.	Welcome reception	04	05	09	12	38
E.	Conclave dinner	01	00	07	14	38

E. Please give overall rating

90%-100%	17	60%-70%	03
80%-90%	36	50%-60%	02
70%-80%	13	below 50%	00

Outcome

- This workshop motivated teachers to encourage their students to take up entrepreneurship as a preferred career choice.
- Teachers and students got familiar with the process of converting a viable innovative idea/research into a valuable product.
- The lectures gave participants guidelines on
 - Where to go for incubation
 - How to get finances for their business
 - How to approach the market
- The participants were familiarized to the challenges faced by potential entrepreneurs to actuate their ideas into a product.
- Through interactions with young entrepreneurs participants learned about the problems faced by new entrepreneurs and how to solve them.
- Participants got familiar with the government policies that facilitates entrepreneurship and innovation.
- The workshop asserted that there is a dire need of re-orienting academic curriculum and pedagogy with a strong focus on start-ups.

Organizer's Report

Report on TEQIP Workshop on “Entrepreneurship & Innovation in Academic Institutions: Challenges and Opportunities” held between 18th to 19nd March 2017 at Outreach Auditorium, VH, IITK

Workshop coordinator: Dr. C. S. Upadhyaya, IIT Kanpur & Dr. Sameer Khandekar,
Coordinator SIIC, IIT Kanpur

Background:

The government is on a high gear to induce growth and create new jobs through wider entrepreneurship, thus it is time to rejig the thinking across industry, judicial and regulatory framework so as to enable formation of global startups in India.

Impetus to technology innovation is through R&D and enabling an intellectual property (IP) framework aimed at nurturing innovation. The draft National IPR Policy which we hope to adopt soon has the main objective to ensure a secure culture for fully realising the IP potential.

Keeping this in view, the SIDBI Innovation and Incubation Centre with the support of TEQIP organized a two day workshop on “Entrepreneurship & Innovation in Academic Institutions: Challenges and Opportunities” from 18 – 19th March 2017 at IITK to emphasize the environment of Innovation and Incubation. The workshop was aimed at making teachers and students acquainted with the process of converting a viable innovative idea/research into a valuable product and the final outcome being generating entrepreneurs. The participants were familiarized to the challenges faced by potential entrepreneurs to actuate their ideas into a product. Entrepreneurs from different domains were invited to share their success stories and challenges faced by them.

Objectives:

Objectives of the workshop were to:

1. Emphasize the environment of Entrepreneurship
2. Elaborating basic Elements of TBI Infrastructure and Challenges
3. Importance of IP Management
4. Ways of IP commercialization
5. Challenges faced by Entrepreneurs
6. government funding avenues to the Incubator and Startup Companies

Course content:

Course content was designed to cover in-depth basics of Innovation and fundamentals of Entrepreneurship. The training had also included the details of legal compliances for company incorporation & financial issues related to startup companies, a separate module including the behavioural and interpersonal skills have been included keeping in mind the moral support for budding entrepreneurs.

- Ideation and Importance of Entrepreneurship
- Elements of TBI Infrastructure and Challenges
- Inspirational Talk :Meet our successful local entrepreneur
- Importance of IP Management
- Experiences of running a TBI
- IP commercialization
- Steps to Incorporate a Company and compliances
- Interaction: On government funding avenues to the Incubator and Startup Companies
- Social Entrepreneurship Concepts
- Challenges faced by Entrepreneurs
- Startup Initiatives and Policies:
- Development of Innovation and Incubation Center
- The Biggest Challenges for New Entrepreneurs

Contribution:

This workshop was envisaged to introduce in-depth fundamentals of entrepreneurship and basics of Innovation. With this in mind, we drew on the expertise across Pan India to deliver a workshop which would enable participants to learn from the best domain experts in their fields. We had a total of 15 hours of lectures divided in 2 sessions across 2 days.

Key take-away from the workshop for the participants

Participating in the program, we hope has enabled participants to:

- Gain knowledge about fundamental of Entrepreneurship
- Appreciate the role of Incubators in India
- Understand influence of IP Infringement
- Real life examples of Successful entrepreneurs
- Different avenues of government funding prospects

Acknowledgements:

In the end, we sincerely thank the SIBI Centre team at IIT Kanpur, They made an impeccable arrangement for the program and also took care of all the necessary details. This workshop would not have been successful without their constant support