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National Institute of Technology Jalandhar



NITJ - INNOVATION AND STARTUP POLICY

FOR STUDENTS AND FACULTY
MEMBERS

ALIGNED WITH NATIONAL
INNOVATION AND START-UP
POLICY

Abstract

NIT Jalandhar wants to be the hub of Innovation and Entrepreneurship in the whole of Punjab. In order to achieve the vision, NIT Jalandhar has drafted an Innovation and Startup Policy that will act as a framework and guiding force for all the stakeholders in their endeavor on I&E related activities. This Innovation and Startup Policy enlists all the rules related to I&E activities, startups, teachings and sessions of entrepreneurship, innovation workshops, events and IPR. This policy will enforce every stakeholder to abide by it in case of any discrepancy. The policy is binding in nature. The aim of the policy is to encourage every stakeholder at NIT Jalandhar and the Technology Business Incubator to take up innovation, entrepreneurship and startups as core activities so that NIT Jalandhar in itself grows to be self-sufficient in the future. Due focus is put on Sustainable Development Goals (SDGs) and financial independence so that students graduate from NIT Jalandhar not just as engineers but as concerned citizens who give due regard to the environment and the society they live in. This policy will ensure that the students focus more on product development and product management rather than theories which in turn will ensure that the host institute will file more IPRs and go for more startups and Technology Transfers. This policy aligns itself with the National Innovation and Startup Policy and with the constitution of NIT Jalandhar. This policy fits in with the IPR Policy and policies on student welfare as well.

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About the Institute

Dr. B. R. Ambedkar National Institute of Technology Jalandhar, an autonomous engineering and technology college, is reckoned with the status of National Institute of Technology (Deemed university) under the aegis of Ministry of Education, which has further declared it as “an institute of National importance” under the act of Parliament – 2007. Formerly established as the Regional Engineering College in 1987, NIT Jalandhar is a citadel of technology and innovation, driven by the zeal, the youth of this academic station burns with.

National Institute of Technology Jalandhar (NIT Jalandhar) is one of the finest engineering colleges in the country. It is one of the 31 NITs in the country. It is located in Jalandhar, in the state of Punjab. The academia houses the finest of the faculty to chisel its community of 5000 above students who are mainly attracted to the campus for its flagship B. tech program with 3800+ students enrolled currently. The institution also offers programs of M.Tech (850+ students) and PHD(400 + students). There are a total of 13 engineering departments in the institute with high tech, state of the art labs which makes NITJ a hallmark of a pioneering technology institute.

NITJ being an institute of national repute ensures the maintenance of quality of education being imparted to its students along with other facilities. This is evident from the very fact that the college is ranked at 52nd in National Institute Ranking Framework (NIRF) and stands proud in the “Excellent Band” in Atal Ranking of Institutions on Innovation Achievements (ARIIA).

The core strengths of NITJ lies in the following points:

1) Hub of Innovation

NIT Jalandhar ranks highly in all the indices of innovation. In ARIIA ranking, the institute is in Band “Excellent”, making it into the small group of colleges that really works on quality innovation. In terms of IPRs, the college filed 126 patents in 2020-22 and have 85 patents in ‘granted’ stage. In IIC, the institute scored the 4.5 stars in innovation and entrepreneurship for the last two years. It really works on the innovation and on awareness programs to keep the students and faculty updated on innovation.

2) Engineering mind-set

NIT Jalandhar focuses on core engineering, believing that engineers are not ‘scientists’ but problem solvers and hence can find answers to difficult, social issues through engineering solutions. Hence, the final year students are given capstone projects to find solutions to grassroots innovation. These students work on ‘real’ products rather than on theoretical issues.

3) Diversity

NIT Jalandhar is home to more than 5000 students from every nook and corner of the country and work under common roof of innovation and engineering. This diversity brings huge amount of scope and synergy among the innovations and products. On top of that, 13 departments of engineering give huge impetus to go for interdisciplinary products. Even the experience of the diversified faculty brings huge amount of pan Indianism to the classes.

4) Exposure to ‘creative’ mind-set through LIVE projects

Recently, NIT Jalandhar has started “LIVE” projects for third year and final year students. LIVE stands for Likeable, Innovative, Viable, and Entrepreneurial Projects. Through this project, students can take up final year capstone projects to solve real problems faced on campus and find an innovative solution to it. In the first year, 27 grassroots projects were taken by students. Out of these 4 projects were from outside campus and rest were issues faced by the students on the campus. The best project has a cash prize of 50,000 INR and was awarded to the student

group that 'created' a miniature 'truck' for filling potholes on the roads. This project was worked with a startup named Pothole Raja from Mumbai, owned by Saurabh Sahu.

5) Alumni strength

The Alumni of NIT Jalandhar is huge and robust, spread over most of the countries in the world. From our presence in Apple Computers in Palo Alto to PSUs in India, NIT Jalandhar has huge presence. These alumni are present in more than 132 countries in the world, with the bulk being in the USA, Canada, Australia, the UK, and Europe. The alumni want to do its 'bit' for the students of NIT Jalandhar through innovation and entrepreneurship. As such, an AIC center here will be beneficial to bring the two forces of future and the past to meet with the 'present'. Not just in corporates, the alumni are also into startups and innovation. Upasana Taku from NIT Jalandhar, the founder of Mobikwik and Zaakpay, is a renowned name in the field of startups. Mobikwik is a unicorn. Similarly, startups like Xovian Aerospace (awarded best startup in 2022 by NASSCOM), Furlenco (Furniture rent giant), Carebuddy, etc. are from NIT Jalandhar.

About NITJ TBI

The Technology Business Incubator at Dr. B.R. Ambedkar National Institute of Technology established by the support of Department of Science and Technology(DST), Government of India, was registered as a Society under the Societies Registration Act, 1860, under the name - 'NITJ Technology Business Incubator'. The NITJ TBI has a separate Board of Governors for laying down its policies and procedures so as to govern the activities for better working towards achieving its objectives. The chairman of the Technology Business Incubator is the Director of the HI(NITJ) who is an excellent example of leadership. The vice chairman of the TBI is the Dean Research and Consultancy of the HI whose driven towards making the institute a product development focused college. Other stakeholders include, a DST representative, SIDBI manager, CEO of the TBI, Innovation Mission Punjab, Invest Punjab, NABBARD, ISER, etc. who form a strong team of governing board and the stake holders. The TBI at NITJ, being set up at an engineering college is a product development driven TBI and is a host to high tech startups. The thrust areas of the NITJ TBI include energy and environment, health and IT. The TBI has hosted 35 startups upto now of which 27 are currently incubated. The TBI has shown tremendous success amongst its incubated startup starting from its first incubated startup back in 2019, FreeCo Education Private Limited founded Mr. Prashant Soni, which graduated in 2021 and scaled in the market within a year to an extent that it was acquired by Physicavalla, a unicorn in ₹11 Cr while the rights of the company still remain with the startup. Another startup that has been scaling heights is Xovian Aerospace, founded by Mr. Raghav Sharma which aims to cut down the human and economic toll using its innovation in GIS and situational awareness technologies. The startup not only received a funding of ₹35 lakhs but was also awarded as the best startup for 5th ICT startup awards 2022 by ASSOCHAM. Another interesting startup called INS Technology developed a E – eel, a

women safety device for which it received a funding of ₹15 lacs by MeitY (Ministry of Electronics and Information Technology). A startup, which stands at TRL 9 called Sanved Technologies Pvt. Ltd. received a funding of ₹ 8 lacs for creating health pro and cost effective real time ultrasound tooth imaging for dental procedures. The startups are aided with physical and virtual incubation which include student and faculty led startups too. While the virtual startups receive mentorship from NITJ TBI stakeholders, the physical incubates also have the access to the facilities of all the 18 labs at the campus. The TBI supports its incubated startup closely to drive them to become a startup of commercial quality. Alongside, for the growth of innovation, entrepreneurship and startup culture amongst the students and faculty at NITJ, the TBI organizes workshops, seminars, session and events in collaboration with industry, MSMEs and other stakeholders so as to bring more understanding and exposure for students towards the industrial aspects and product development which motivates them to not become job seekers but job creators.

Preface

National Institute of Technology Jalandhar being an engineering college has always pioneered for its students to have inter disciplinary knowledge, develop technical human resource of excellence suitable for global requirements, ensure good quality academic and industrial research programs in different areas of engineering and technology and generate industry-institute synergy for shaping technical education to meet the requirement of industry. To walk the path that it has defined for itself, the institute has established various branches under cells and hobby clubs which catalyze innovation and entrepreneurship amongst its students. To pursue National initiative for Design Innovation by Ministry of Human Resources and Development, NIT Jalandhar took an initiative by creating Innovation Club in order to promote and give nourishment to new ideas as well as recycling the existing ones in order to make our daily life easy. Similarly, more cells and clubs such as Entrepreneurship Development Cell, Science and technology Innovation Hub, SPIC MACAY Club, etc, have been established by the host institute. The campus also has an Institute's Innovation Council, Central Workshop, an Institute Instrumentation Centre, Computer Centre and Training and Placement Cell. All these cells and clubs come under the umbrella of the Institute's Innovation Council which is highly devoted towards aligning innovation and entrepreneurship amongst the students in the campus.

To keep this flame burning, NITJ with the support of DST (Department of Science and Technology) established the NITJ Technology Business Incubator, in 2016 as a society under the Societies Registration Act of 1860. Since its inception the TBI has been focused towards

creating a vibrant startup culture in the whole of Punjab while focusing on product development in the campus mentored under the faculty of NITJ and other stakeholders. With release of national Innovation and Startup Policy for students and faculty (NISP) in 2019, Dr. B. R. Ambedkar National Institute of Technology Jalandhar has compiled and aligned its own policy which is presented as follows:

Vision

To make NIT Jalandhar the hub of innovation and entrepreneurship with world class support so that the students graduate from here with expertise in innovative product making and entrepreneurship.

Mission

To achieve the above vision, the mission is as follows:

- To promote grassroots innovation on the campus
- Encourage students, faculty and staff to come with new ideas and product designs
- Make it a norm for all students to design, develop and manage new products.
- File 200 IPRs per year so that 150+ IPRs are granted per year.
- Encourage final year students to take up product development as their final year project in a group of 6 students
- Encourage faculty, staff and students to startup.
- Encourage all staying on the campus to think of financial independence and work on it.

1. Strategies and Governance

1.1 All innovation and entrepreneurship related activities fall under ONE umbrella i.e. the Dean of Research and Consultancy

1.2 Minimum of 1% fund of the total annual budget of NIT Jalandhar is allocated for funding and supporting innovation and startups related activities through creation of a separate 'IE Fund'.

1.3 NIT Jalandhar will spare no stone unturned to raise funds from diverse sources to reduce dependency on the public funding. Bringing in external funding through government (state and central) such as CSR activities, Govt of Punjab, Central Govt, AIC, DST, DBT, MHRD, BIRAC, AICTE, TDB, TIFAC, DSIR, CSIR, NSTEDB, NRDC, Startup India, Invest India, MeitY, MSDE, MSME, startup in Punjab as well as non-government sources will also be encouraged.

1.4 Special importance will be taken to support innovation and entrepreneurship activities on campus through industry collaboration, training programs and Corporate Social Responsibility (CSR) as per Section 135 of the Company Act 2013.

1.5 Alumni network will be linked with IE activities and these will help in raising funds through sponsorships and donations.

1.6 Efforts will be encouraged to make NIT Jalandhar as a hub of innovation by developing entrepreneurship culture on the campus. NIT Jalandhar will undertake LIVE projects (Likeable, Innovative, Viable, and Entrepreneurial Activities) to support grassroots innovation on the campus and as final year projects by students.

1.7 Yearly event of SMILE (Startup Mela) will be held in even semesters to bring the forces of I&E into one point.

1.8 A startup yatra and Innovesta to be held on odd semesters to conduct idea hackathon, Cesim simulations, HULT Prize, etc.

1.9 Students led startups to undertake all service providers' roles on the campus like laundry, food plaza, salon, door to door services, etc.

1.10 To create a culture of freedom and I&E, NIT Jalandhar will organize Tech fests, Spring Fests, Innovesta, etc. that aligns with the celebration of spirit and freedom. The aim is to make the students strong enough to be entrepreneurs.

2. Startups Enabling Institutional Infrastructure

NITJ has been constantly bent towards developing institutional infrastructure to enable startup culture. While institutional bodies like Entrepreneurship Development Cell, Innovation Club, IPR Cell, etc. have been pushing the students towards creating startups, the fact that NITJ is one of the 5 institutes selected in the India for the establishment of Space Technology Incubation Centre(STIC) by ISRO (Indian Space Research Organization) makes it a startup enabling infrastructure. Coming to the already developed infrastructure for the TBI, there is a dedicated space of 10,000 sq. ft. of operational area consisting of 18 cabins and 9 open space cubicles, a TBI and CEO office, a conference hall, a design lab, a digital studio, dining area, reading hall, reception and waiting area. The location of the dedicated space is further complemented by the building it is set in, which is the central workshop, making it easier for the startups to access the prototyping facilities accompanied with experts. The institute also provides mentoring on IPR filing, documentation for the startup, funding, etc.

2.1 Creation of pre-incubation and incubation facilities for nurturing innovations and startups at NITJ is already in place and with a defined roadmap.

2.2 Various cells and clubs at NIT Jalandhar campus act as pre – incubation units working under a functional IIC which manages all innovation and entrepreneurship activities. The

TBI acts as a converging point of all these cells and clubs in the institute which receives the funneled out ideas ready to be incorporated into startups.

2.3 NITJ Technology Business Incubator, a 'Society' registered in 2016 under Society Registration Act of 1860 with independent governance structure, has all the incubation related facilities available 24X 7.

2.4 The TBI has an independent selection committee external to the TBI and the institute for pitching and onboarding/incubation of a startup, who depending upon the nature of the startup suggest the type of incubation for the startup(physical/virtual).

2.5 The TBI has a well-defined entry and exit startup policy. The startups are charged a fixed amount of rent depending upon the type of incubation which is decided by the selection committee. Additionally, the startups are also charged a fixed amount of equity from their startups, irrespective of it being a student/faculty/external led startup. The startup is also charged 10% of admin fee by the TBI. All these details are elaborately detailed in the incubation policy of the TBI.

3. Nurturing Innovations and Start ups

3.1 A separate IPR policy is in existence with the objective to facilitate IPR filing by students and faculty members (Enclosed as Annexure -1) along with one IP expert on retainer basis.

3.2. To further promote product development and entrepreneurship amongst students, the institute host events like TechNiti, Innovesta, etc. which organizes workshops and seminars and awards best ideas in innovation and entrepreneurship with trophies, cash, certificates, and opportunities to develop their idea or prototype and converting it into a startup.

3.3 The institute hosts regular sessions and seminars for entrepreneurship and the related sub domains, and will launch a compulsory orientation program for all freshmen to provide insights on entrepreneurship as a carrier option. In this program, the students will undergo specially designed curriculum with an outcome to start one's own startup.

3.4 With the help of resources available, its stakeholders and industrial network NITJ TBI facilitates entrepreneurial aspirants in a variety of areas including technology development, ideation, creativity, design thinking, fund raising, financial management, cash-flow management, new venture planning, business development, product

development, social entrepreneurship, product costing, marketing, brand-development, human resource management as well as law and regulations impacting a business.

3.5 The institute has launched LIVE (Likeable, Innovative, Viable Entrepreneurial Solutions) Project for promoting grassroots innovation amongst the students of NITJ which can be taken up by them as capstone projects in their final year.

3.4 The students will be provided 6-week internship program with the incubated startups at NITJ TBI through the Training and Placement Cell of NITJ, a mandate in the curriculum of final year students.

3.5 The startup policy of the TBI puts across that the physically incubated shall be given accommodation in the institution hostel.

3.6 A faculty led startup should have a student or a full time employee/co – founder for it to be incubated.

3.7 NITJ TBI shall allow the staff/faculty/students to access intuitional infrastructure and facilities as per the choice of the startup under following conditions:

- i. Mentorship support on regular basis.
- ii. Facilitation in a variety of areas including technology development, design thinking, gamification, fund raising, financial management, cash-flow management, IPR filing, etc.
- iii. The TBI shall provide/connect the startups with seed-fund provider/angel funds/venture funds or itself may set up seed-fund.
- iv. License institute IPR as discussed in section 4 below.

3.8 In return of the services and facilities, the TBI will have an access to flat 5% of the equity of its startups, charge a fixed amount of rent quarterly based on the type of incubation(physical/virtual) and an administration fee of 10% of government

funding that the startup would receive and 15% of the CSR funding that the startup would receive.

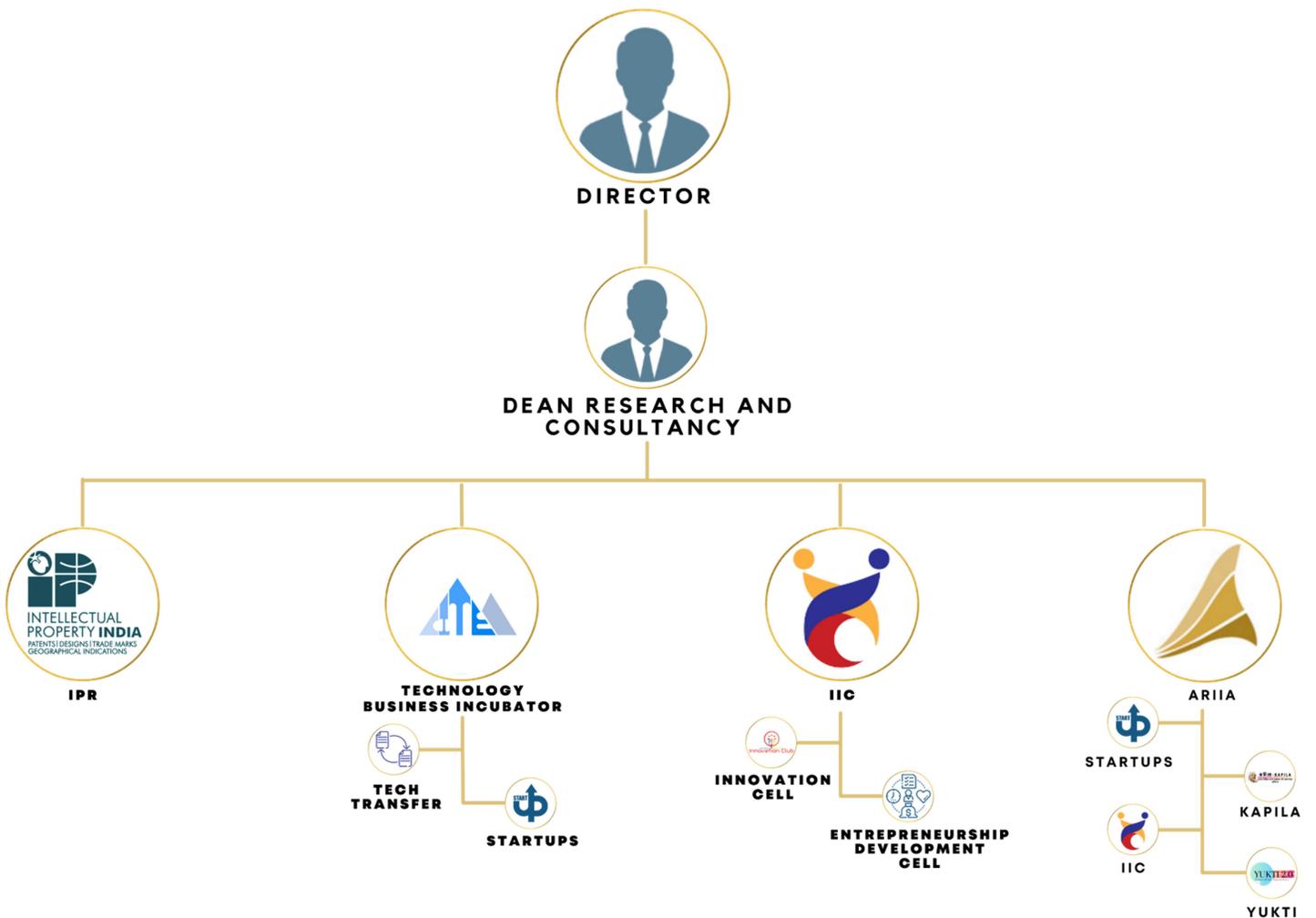
3.9 The TBI is open to not only student/staff/faculty led startups, but to outsiders as well.

3.10 The policy will ensure that around 200+ IPRs are filed from the campus.

4. IP and Product Ownership Rights for Technologies Developed at Institute

A separate IPR policy is in place for addressing the guidelines and issues regarding Product Ownership Rights for Technologies Developed at Institute. Students who are developing and demonstrating proof of concepts of their ideas in minor and major project exhibitions, inter-institute competitions, hackathons etc. are facilitated in Technology Business Incubator and IIC to convert their PoCs into MVPs.

5. Organizational Capacity,



Human Resources and Incentives

Organizational Structure for Innovation and Entrepreneurship is as shown in figure 1

Dean Research and Consultancy and his team will be Single Point of Contact (SPOC) in the institute for the students, faculty, collaborators, partners and other stakeholders as far as innovation and entrepreneurship is concerned.

6. Creating Innovation Pipeline and Pathways for Entrepreneurs at Institute Level

ODD SEMESTER

1. Introduction to Entrepreneurship

An awareness program in pre – incubation phase unfolding of the startup culture and entrepreneurship and bring cognizance towards the various stages of a startup, weighing the risks involved, the possibilities and limitations.

2. Idea Hackathon

A monthly idea hackathon challenge based on grassroots innovations to create the spirit of product development in the campus and bring innovation to the forefront and act as a preparatory experience for Smart India Idea Hackathon

3. Smart India Idea Hackathon

A national level Idea Hackathon started back in 2017 for students to come up with solutions of pressing problems for citizens, organizations and the government.

4. Innovesta

A conclave at NIT Jalandhar, most probably to be conducted in the month of September, bringing the stakeholders to the fore which shall have programs like Idea Hackathons ,poster presentations, pitch presentations, boot camps, simulation games, etc.

5. LIVE(Likeable, Innovation, Viable Entrepreneurial Solutions

A one-year project for the students, faculty, staff or any of the stakeholders of NITJ to work on real time issues to find best possible solutions with all constraints taken into consideration. The students can take this up as CAPSTONE project in their final year of engineering at NIT Jalandhar or at their own UG colleges.

6. MEDI(Medical Equipment Development for Indians)

A project for making affordable, health pro and innovative medical equipment for Indians. The product would be designed keeping an Indian customer in view so that the features are replicated or new innovative but inexpensive technologies are used that bring down the overall cost of the equipment without bargaining on the utility of these.

7. GAME(Gamification for Affirmative Mass Engagement)

Gamification for Affirmative Mass Engagement is an awareness cum workshop on how gamification plays a huge

EVEN SEMESTER

8. Startup training

The startup training program would include incubation and technology support which shall bring more clarity to the aspiring entrepreneurs about the startup culture.

9. FDP(Faculty Development Program)

A training program for the faculty of NITJ to bring about awareness regarding entrepreneurship and the startup culture.

10. Vancade

A two week startup yatra(carcade) from Amritsar to Chandigarh showcasing the possibilities of technology usage in reaching out to customers, in analyzing demand, in creating modern and efficient marketing strategies, in creating creative promotions, etc.

11. SMILE(Startup Mela for Innovators, Leaders and Entrepreneurs)

The biggest event in the field of innovation and entrepreneurship in the entire Punjab where stakeholders from every department will join forces to promote free thinking, innovation and entrepreneurship.

12. Aarambh

An innovation & entrepreneurship awareness event in schools and colleges to conducts workshops and sessions on innovation, entrepreneurship, technology inducement and gamification.

13. DOTS(Design Oriented Thinking for Startups)

A workshop and poster presentation in colleges, especially for engineering students where the participants would be given lessons on how a successful product is built by use of Design Thinking.

14. Identity

A project to train 1000 in a year in entrepreneurship and small business setup.

15. X - cite

A program in which 10 best startups from NITJ will be chosen at the end of every year

7. Norms for Faculty Startups

7.1 A faculty led startup should have a full time employee.

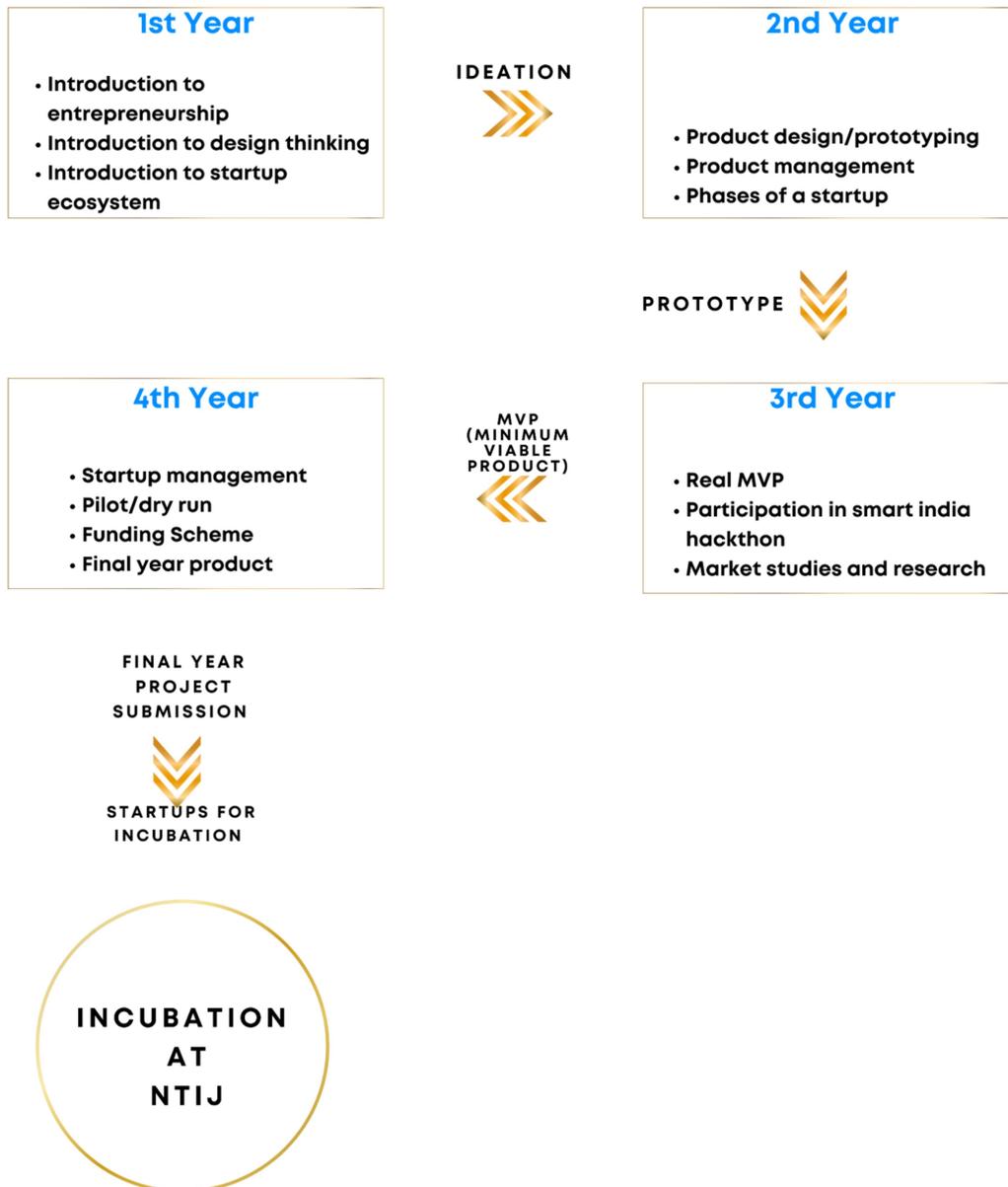
7.2 The startup should preferably have students on board to work with the startups.

7.3 The startup should have offer internships for students on campus.

7.4 The startup should be present on the campus.

7.5 An individual professor cannot have more than 30% of share in the startup.

8. Pedagogy and Learning Interventions for Entrepreneurship Development



NIT Jalandhar initiated a compulsory six-week entrepreneurship program with diversified approach in teaching and learning pedagogy including cross disciplinary learning using mentors, labs, case studies, games, etc. in place of traditional lecture-based delivery. Experts from industry, mentors from different areas of business and enterprise are a part of resource person team of this program which goes in the first semester of the B.Tech and M.Tech. This program has adopted blended learning mode of pedagogy which consists of project and problem-based learning with live examples and practical knowledge for the learning journey of an aspirant entrepreneur as shown in the figure above.

8.1 A dedicated innovation center is responsible to co-ordinate all student clubs, whereas individual departments are responsible for running technical hobby clubs, project workshops/labs.

8.2 The TBI is responsible for organizing competitions, bootcamps, workshops, awards, etc. The IIC run and administered by faculty and students is totally involved in strategic planning and implementation of these activities.

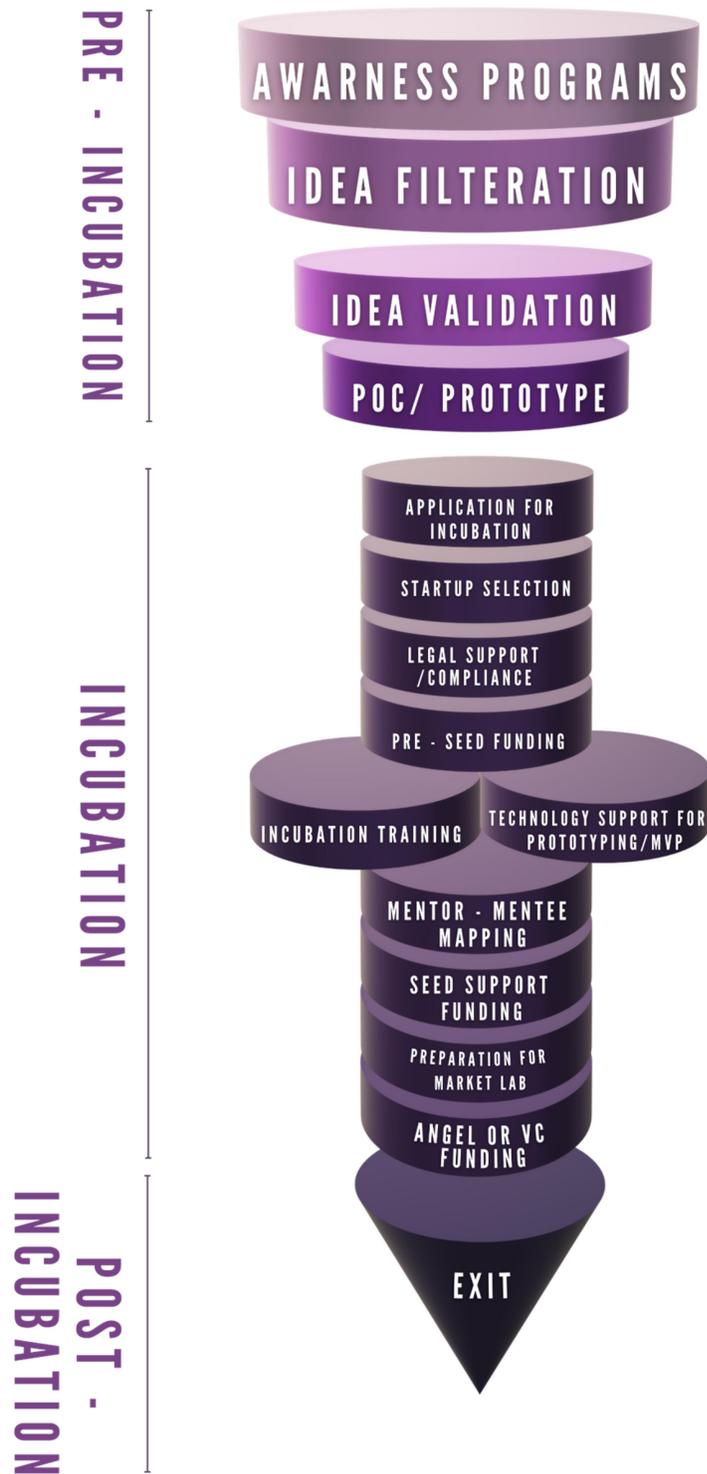
8.3 As a part of awareness program about entrepreneurial ecosystem present in the institute, introductory sessions are organized for all the students at NITJ. Required slots will be allocated in the timetable of every department in co-ordination with Dean, R&C.

8.4 A dedicated Industry Institute Interaction Cell with well drafted policy is responsible for conducting research and survey on trends in technology, research, innovation, and market intelligence. Industrial consultancy, industrial visits and student internship related activities will be coordinated by this cell.

8.5 To promote student ideas, projects and innovations based around real life challenges, bootcamps, visits to rural and underprivileged areas in nearby region and hackathons are organized by NITJ on regular basis. These activities and other IIC calendar activities are also displayed on the institute's activity calendar.

8.6 Innovation champions should be nominated from within the students/ faculty/ staff for each department/stream of study.

8.7 Institute has started annual 'INNOVATION & ENTREPRENEURSHIP AWARD' to recognize outstanding ideas, successful enterprises and contributors for promoting innovation and



enterprises ecosystem within the institute. It will be awarded on Innovation Day, i.e. 15th Oct.

The Incubation and Innovation Model at NIT Jalandhar

9. Collaboration, Co-creation, Business Relationships and Knowledge Exchange

9.1 For all the activities relevant to the entrepreneurial agenda of the institute, participation and collaboration of industry partners, institutes of national importance, international institutions, social enterprises, schools, alumni, professional bodies and entrepreneurs will be encouraged.

9.2 Institute has collaborations with associations of industries like Hero, CII, etc., with various government departments and ministries like DST, MeitY, Startup Punjab, Govt. of Punjab etc. ITI and poly-technique institutes, research organizations like NRDC, entrepreneurship promoting institutes like EDII, IIM Amritsar, etc. IP firms and network of angel funding and venture capitalists etc. All these collaborations prove to be beneficial to the students in their entrepreneurial journey.

The following table lists down the events and their frequencies in a tabular form at NIT Jalandhar.

S No	Work plan Details	1st Year	2nd Year	3rd Year	4th Year	5th Year
Workshops and Sessions						
1	Entrepreneurship Awareness Drive (Boot camps)	3	4	4	4	4
2	Founder/ Innovator Talks (In sessions)	2	7	7	7	7
3	Ideation Workshops (In sessions)	2	2	2	2	2
4	Product Development/ Design thinking (DOTS) (In sessions)	2	2	2	2	2
5	Start-up Connect (Aarambh)- Monthly (In sessions)	12	12	12	12	12
6	Mentor-Mentee -Quarterly (In sessions)	4	4	4	4	4
7	Investor Mocks (In sessions)	2	2	2	2	2
8	Pre-Incubation workshops (In events)	1	3	3	3	3
9	Vancade tour of Punjab (in events)	1	1	1	1	1
10	LIVE and MEDI projects	Yes	Yes	Yes	Yes	Yes
Incubation Program						
10	Startup Selection	4	4	4	4	4
11	Legal formalities	Yes	Yes	Yes	Yes	Yes
12	Incubation training and lab support (In programs)	Yes	Yes	Yes	Yes	Yes
13	Innovator and investors' Meet (An initiative to promote commercialization and funding of the innovation) (In meets)	1	1	1	1	1
Mega Events						
14	Annual Entrepreneurship Summit (Innovesta) (In Events)	1	1	1	1	1
15	Startup Expo (SMILE) (in programs)	1	1	1	1	1
16	Investors Meet with pitching session (In programs)	1	1	1	1	1
Initiative						
17	Creating and facilitating 60 ATIs in Doaba region to promote Entrepreneurship and innovation cell under AIC and ATIs to connect grassroots innovators	12	12	12	12	12
18	Web platform to offer internship/job with our Incubatees	Yes	Yes	Yes	Yes	Yes
19	Internships at the incubated startups (in internees)	20	25	30	30	30

10. Entrepreneurial Impact Assessment

The various parameters to be considered for Entrepreneurial Impact Assessment are

- a. Satisfaction of the participants in micro degree certification program, workshops and training programs
- b. Participation in awareness programs
- c. Utilization of pre-incubation facilities by students
- d. Number of curriculum projects addressing real life problems
- e. Participation in various idea, PoC, Prototype, b-plan competitions and hackathons
- f. Participation in pitching for fund raising and grants/support from government and non-government agencies
- g. Contribution in industrial projects and consultancy projects
- h. Idea to PoC projects
- i. PoC to Prototype/MVP projects
- j. Product development and its launching in the market

k. Fund raising

l. Startup registrations and company incorporation

m. Annual Turn over

n. IPR application filing, grant and commercialization

The Innovation team under the chairmanship of Dean R&C will be responsible for assigning appropriate weightages to the above parameters depending on the maturity of the process. A separate document regarding this will be made available by IIC and reviewed annually.

11. Review of the Policy

Considering the feedback from assessment team which is the reflection of impact of the existing policy, Dean R&C shall organize the review committee meeting and finalize the recommendations of the review committee.

Way Forward

Successful implementation of the 'NIT Jalandhar Innovation and Startup Policy' for students and faculty is the main objective. In order to achieve this, full-fledged support of all the academic, non-academic and supporting departments will be important. The roadmap suggested through this document is 'broad guidelines' and this policy document is supported by previously existing

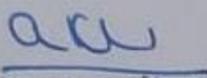
policy documents on innovation and entrepreneurship council, IPR, Industry-Institute interaction and research and development.

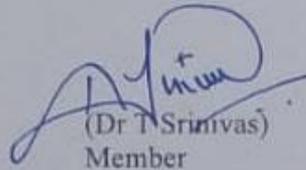
Subject: Minutes of the Committee Meeting to formulate Innovation and Startup Policy

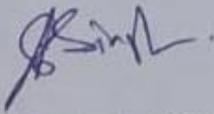
A committee consisting of the following was constituted to formulate Innovation and Startup Policy for Dr B R Ambedkar National Institute of Technology Jalandhar, that is aligned with National Innovation and Start-up Policy 2019.

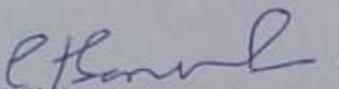
1. Prof J N Chakraborty, Dean (Research and Consultancy) – Chairman
2. Prof Arun Khosla, Co-ordinator – National Innovation Startup Policy – Member
3. Dr T Srinivas, Associate Dean (Research and Consultancy) – Member
4. Dr Satyendra Singh, Associate Dean (Research and Consultancy) – Member
5. Mr Shibananda Dash, CEO, NITJ Technology Business Incubator – Member
6. Dr Sukwinder Singh, Co-coordinator, NITJ Technology Business Incubator – Member
7. Dr Senthil Kasilingam, Co-coordinator, NITJ Technology Business Incubator – Member

The committee met on August 30, 2022 and deliberated on the draft policy. After the deliberation, the policy was finalised and the same is attached along with for final approval and adoption.

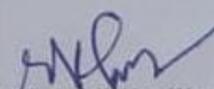

(Prof Arun Khosla)
Member

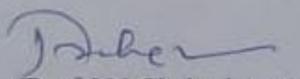

(Dr T Srinivas)
Member


(Dr Satyendra Singh)
Member


(Shibananda Dash)
Member


(Dr Sukwinder Singh)
Member


(Dr Senthil Kasilingam)
Member


(Prof J N Chakraborty)
Chairman

Encls: a/a

Director

Approved as proposed

31/08/22

Dispatched No. NIT JDRG/ 1728
Dated 31/08/2022

31/08/2022