



ಹಿರಾಸುಗರ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ, ನಿಡಸೋಸಿ

Hirasugar Institute of Technology

Nidasoshi – 591 236, Karnataka State

Approved by AICTE, New Delhi, Permanently Affiliated to VTU, Belagavi

Recognized under 2(f) & 12B of UGC Act, 1956

Accredited at 'A' Grade by NAAC & Programmes Accredited by NBA:CSE & ECE

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Ref. No: HSIT/NDS/EST /2022-23/ 145

Date : 15/01/2021

HSIT Innovation & Entrepreneurship Policy

Preamble

Technological changes through innovations and R&D are the main driving force for increased efficiency & productivity, new product/process development, economic growth, social transformation, and for reshaping and redefining almost every aspect of our lives and environment. Technological leadership is one of the major factors in achieving global leadership economically. The competitiveness of various industries is being determined by their ability to integrate new technologies into their business processes. In the view of NISP and to promote Innovation and Entrepreneurship our institute decided to implement HSIT Innovation & Entrepreneurship Policy. The details of Institute Policy are as below.

Short term Objectives (1 to 3 years)

1. To create awareness and motivating students to participate in innovation and entrepreneurship activities.
2. Organizing workshops related to entrepreneurship skills, startups, and innovation promotion.
3. To provide necessary training to the innovators and faculty members for writing project proposals to the various research funding agencies.
4. To establish idea lab for students and staff to convert their ideas into product.
5. To foster industrial R&D on campus, collaborate with industries for their needs of R&D and allow interested start-ups and aspiring student entrepreneurs to carry out funded R&D projects.

Long Term Objectives (5 and more than 5 Years)

1. To facilitate R & D activities by fetching funds from Govt. /Non Govt. agencies.
2. To emerge as a successful innovation and startups from the institute/ centre.
3. To establish a developed innovation /incubation center within the Institute.
4. To support students and faculty get patents this will lead to commercialization of the product.
5. Developing Key performance indicators (KPI) by organizing these events for entrepreneurship development and start -ups.
 - i. Research publications in UGC Recognized journals / Scopus indexed journals.
 - ii. Participating and organizing competitions in innovations /research like Hackathons, idea competitions, etc.
 - iii. Receiving grants from various funding agencies.
 - iv. Patent filing.





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Policy Problem or Thrust Area

| S. N. | Plan |
|-------|--|
| 1 | Strategies & governance for promoting innovation & entrepreneurship at HSIT. |
| 2 | Creating innovation pathways and pipeline for entrepreneurs in the institute. |
| 3 | Enhancing infrastructure facilities and promoting innovation start-ups. |
| 4 | Collaboration, Co-creation, Business Relationship and knowledge Exchange. |
| 5 | Norms for Faculty & Students Driven Innovations and Start-ups. |
| 6 | Incubation support by enabling institutional infrastructure at HSIT for Innovations and Start-ups. |
| 7 | Nurturing innovations and start-ups. |
| 8 | Products Ownership Rights for Technologies Developed at HSIT. |
| 9 | Pedagogy & Learning Interventions for Supporting Innovations & Start-ups. |
| 10 | Entrepreneurial Performance/Impact Assessment. |

Policy document:

1. Strategies & Governance for Promoting Innovation & Entrepreneurship at HSIT

- HSIT supports Innovation and Entrepreneurial activities by a minimum 1 % of the total annual budget.
- Supports innovation and start-up-related activities by creating separate funds under Institution Innovation Council (IIC).
- For to support technology incubation, fund generation through sponsorships and donations under Corporate Social Responsibility (CSR) section 135 of company act 2013.
- Actively engage alumni network for promoting Innovations & Entrepreneurship (I&E).
- Fetching funds by submitting proposals to Government and Non-Government firms or organizations.
- Promoting innovation and entrepreneurial activities by organizing conferences, workshops, and seminars, etc at college campus.
- Creating an environment to nurture the ideas to develop the products to meet the market requirements through start-ups.
- Converting innovations and ideas to products, publications, and patents.
- Promoting mass production and marketing of products through start-ups.





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2. Creating Innovation Pathways and Pipeline for Entrepreneurs at the institute level.

- Giving awareness to students and faculty about Entrepreneurship and its importance in career development / employability.
- HSIT supports students and faculties to innovate and carry out incubation activities to solve the problems of society.
- Establishing a link between incubation centres by conducting various activities concerned with innovation, start-up, and entrepreneurship development.
- Implementation of Pathway from Idea to innovation, innovation to product, and product to market.
- Students are encouraged to develop an entrepreneurial mindset by conducting competitions of idea and innovation, workshops, seminars, conferences, exhibitions, mentoring by academic and industry persons or throwing real life challenges etc.

3. Enhancing infrastructure facilities and promoting innovation start-ups.

- The institution's facilities like Laboratory & Computing can be made available to students and faculties of all the disciplines/ branches of the institute to carry out R & D work.
- HSIT supports students and faculty to utilize the available facilities and infrastructure as required.
- The necessary guidelines and support are provided for mobilization of the fund from various research funding agencies.

4. Collaboration, Co-creation, Business Relationship and knowledge Exchange

- HSIT supports in collaborating with the potential partners like Research organizations, micro, small and medium sized enterprises (MSMEs), Alumni and, Entrepreneurs for Entrepreneurship development.
- Faculty members are given an opportunity to connect with the external environment through knowledge sharing by organizing outreach programs, society connect programs etc.
- The institute provides guidelines and policies for collaboration with external stakeholders/ industry.





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5. Norms for Faculty & Students Driven Innovations and Start-ups

- HSIT supports norms for the coordination of Entrepreneurship, for the students and faculty.
- Institute develops policy on "Conflict of Interest" to ensure that the regular duties of the faculty / staff should do not affect their involvement in a start-up.
- Only those technologies are taken for faculty start-ups which originate from within the institute.
- Faculty must separate and distinguish ongoing research at the institute from the work conducted at the start-up/ company/Institute.
- In case selection of faculty, start-up is selected by a national level/ international level accelerator maximum leave may be permitted to the faculty (as sabbatical/ existing leave/ unpaid leave/ casual leave/ earned leave) of one semester/ year (Decision is made by the review committee of the institute).
- Faculty start-up can have with students, alumni, and other Enterprises.
- Faculty must not accept gifts from the start-up.
- Faculty must not involve research staff or other staff of institute in activities at the start-up and vice-versa.
- Human subject related research in start-up should get clearance from ethics committee of the institution.

6. Incubation support at HSIT for Innovations and Start-ups

- Institute supports incubation facilities available at the institute through Institution Innovation Council (IIC), Entrepreneurship Development (EDC) Cell and Research and Development(R &D) cell
- Institution incubation facilities are available 24×7 for students, staff and faculty from all the departments of the institute.
- HSIT offers mentoring and other relevant services through incubation centers in returns for fees, equity sharing, and (or) zero payment basis.
- The modality regarding Equity Sharing in Startups supported will be depending upon the nature of services offered by the units/ Institute.





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7. Nurturing innovations and start-ups

HSIT encourages to establishing the process and mechanism to create and nurture start-ups by students, alumni, faculty, and potential start-up applicant from an outside institution.

a) Establishment of NAIN (New Age Incubation Network)

Through this project HSIT will encourage:

o Students: For

- Conducting program on the Importance of I & E for first year students.
- Student inventors are allowed to opt for start-ups in place of mini/ major products, seminars, and summer training.
- Students using incubation facilities for entrepreneurship are permitted to use the institute address/affiliation to register their company with prior approval from the institute.
- The students involved in entrepreneurship are permitted to appear for the examination, even if their attendance is less than the minimum permissible percentage with due permission from the institute.
- By providing incubation facility & support.
- Will allow setting up of start-ups while studying.
- Organizing Guest lectures by experts on Innovation and Entrepreneurship.

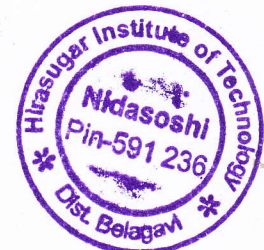
o Faculty/Staff: For

- Will allow staffs to work on their innovative projects and setting up start-ups.
- Will allow setting up of start-ups while working in part-time.

b) IPR Promotion and Support

Students: For

- The students involved in entrepreneurship are permitted entrepreneurs to take a break for a semester/ year (Credit can be given to them on Review committee recommendations).
- Will allow licensing of IPR (Intellectual Property Rights) from institute to start-up when technology is owned by the institute.
- Short term/ 6 month/ 1 year part-time Entrepreneurship training.
- Mentoring support on regular basis.





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Faculty/Staff: For

- o Faculty/ Staff involved in start-ups given off for a semester/ Year (Even more depending upon the decision of the review committee constituted by the institute) as sabbatical leave/ Earned leave/ Casual leaves for working on start-ups and come back.
- o Start-up-related activities are considered as a legitimate activity of faculty in addition to teaching, Research publications, R&D projects, industrial consultancy etc. and must be considered while evaluating the annual performance of the faculty.

c) Financial Management for Innovation/ Start-ups / IPR

- i. Institute supports the start-up activities / Technology development of students/ faculty/staff and allows using the infrastructure and facility as per the choice of a potential entrepreneur.
- ii. Based on the assessment of conversion of idea into product, the R&D committee proceeding, the institute will assure 100% financial assistance to file the patent.
- iii. After the successful approval of the patent and thorough study of market, the committee will decide the further development/ Incubation the product commercially.
- iv. The institute also assures the 100% financial assistance to develop / incubate commercial product /prototype. Also the committee will again assure the product /prototype model and suggests principal investigator/ team to file commercial patent.
- v. The institute / committee has been decided to financial support of 25% of each product cost towards marketing of the product.
- vi. The institute / committee has been decided not to take any share in profit (0% of profit share) a selling of product during first 3 years. However Institute suggested to utilise the profit in the 3 years for further incubation of product for development strategising marketing domains.
- vii. In return, Institute has decided to take 50% of the profit of 4th and 5th year also decided to distribute the 50% to the institute and remaining 50% to the Principal investigator and team. The remaining 50% of the total profit will be kept as corporate fund to promote expansion of business, self sustainance and innovations.





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viii. After the 5th year onwards the institute / committee shall verify/ assess the balance sheet of the product/ firm. Based on the results, the institute may take decision of the sharing of profit/ loss and ownership issues. The institute / committee may continue part No. vii for another 2-3 years without any assessment.

8. Products Ownership Rights for Technologies Developed at HSIT

- If the product formed by the inventors with the support of institute contribution in terms (facility/support/ fund/ IPR is developed as part of curriculum / academic activity)-IPR is shared by inventors and institute.
- If the product is formed by inventors not using any support, outside office hours (For staff/ faculty) or not as a part of the curriculum by the student, then product/IPR will be entirely owned by inventors. The inventor can decide to license the technology to a third party or use the technology the way deem fit.
- If any dispute arises, a five members committee (2 faculties of the institute with IPR/2 Alumni and industry (Experience in Technology commercialisation) and 1 legal advisor) will settle the issue.

9. Pedagogy & Learning Interventions for Supporting Innovations & Start-ups

- A diversified approach should be adopted to produce desired learning outcomes.
 - i. Student clubs/ bodies/departments must be created to organize competitions/ boot camps, workshops, awards etc.
 - ii. Institute start annual "INNOVATION & ENTREPRENEURSHIP AWARD" to recognize outstanding ideas, successful enterprises and contributors for promoting innovation and enterprise ecosystem within the institute.
 - iii. The teaching methods should include case studies on business failure and real-life experience reports by start-ups.
 - iv. Failures need to be elaborately discussed and debated, encouraging to the failure take in that "Failure is part of life".
 - v. "Innovation Champions" nominated from the students/ faculty /staff for each department / Stream study.
 - vi. Entrepreneurship Education is imparted to students at curricular/ co-curricular / extracurricular on innovation, entrepreneurship, and venture development.
 - vii. Customized teaching and training materials are developed for start-ups.
 - viii. Sensitization of students should be done for their understanding of expected learning outcomes.





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- ix. Pedagogical changes need to be done to ensure that a maximum number of student projects and innovations are based on real-life challenges.
- x. Student innovators, start-ups, experts are engaged in the dialogue/debate process while developing the strategy so that it becomes need-based.

10. Entrepreneurial Performance Impact Assessment

- o Impact assessments of institute's entrepreneurial initiatives like incubation, entrepreneurship education are performed regularly using well defined evaluation parameters.
- i. Monitoring and evaluation of knowledge exchange initiatives, engagement of all departments and faculty in the entrepreneurial teaching and learning will be assessed.
- ii. Impact should also be measured for the support system provided by the institute to the student entrepreneurs, faculty and staff for incubation, IPR protection, Industry linkages, exposure to entrepreneurial ecosystem etc.
- iii. The information on impact of the activities should be actively used while developing and reviewing the entrepreneurial strategy. Impact assessment for measuring the success in terms of sustainable social, financial and technological impact in the market.



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15/7/22
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