NITTE EDUCATION TRUST | NMAM INSTITUTE OF TECHNOLOGY

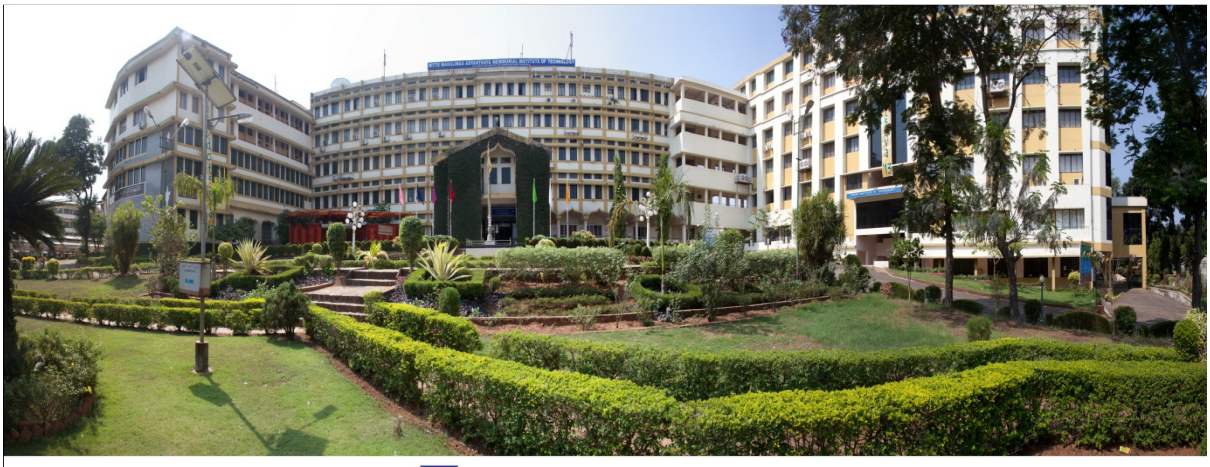
INNOVATION AND STARTUP POLICY

FOR

FACULTY AND STUDENTS

(Aligned with NISP)

"DREAM – DEDUCE – DESIGN – DEVELOP – DELIVER"



An Autonomous Institute affiliated to VTU, Belagavi
ISO 9001:2015 Certified, Accredited by NAAC with 'A' Grade

NITTE EDUCATION TRUST | NMAM INSTITUTE OF TECHNOLOGY

Nitte - 574110, Karkala Taluk, Udupi District, Karnataka, India
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Contents

Preamble

The Research and Innovation centre, Entrepreneurship Development Cell, Atal Incubation Centre – Nitte (AIC), New Age Incubation Network (NAIN), Intellectual Property (IP) Cell and Centres of Excellence of various branches of engineering and management of NMAM Institute of Technology, Nitte collectively contribute in promoting innovation and entrepreneurship ecosystem for the Faculty, Staff, Research Scholars and Students and also people of the locality. The Institution Innovation and Startup Policy is catalyst in creating innovation and entrepreneurial ecosystem in our institute. This will provide ample opportunities to the faculty, research scholars and students give shape to their random ideas into deliverable empathetic solutions to various technical and societal problems.

This Institution Innovation and Startup Policy is aligned with National Innovation and Startup Policy (NISP) considering the parameters highlighted in ARIIA framework **(Annexure – 5)**. This policy is subject to review and amendments whenever necessary with prior recommendation by the Head of the Institute, Principal, NMAM Institute of Technology, Nitte. The policy is drafted by the 'Institution Innovation and Startup Policy Formulation Committee' setup on 17 August 2021 with the head of the HEI; the Principal, NMAM Institute of Technology, Nitte **(Annexure – 1)**

On adoption of the policy, the members of 'Institution Innovation and Strarup Policy Implementation and Monitoring Committee' with the head of the HEI, the Principal, NMAM Institute of Technology, Nitte as Chairperson and members of IIC **(Annexure – 2)** and ARIIA Coordinators of all the engineering and management departments as members will be responsible in implementing and monitoring the policy at the institutional level. ARIIA Coordinators from each of the departments will act as single point of contact (SPOC) **(Annexure – 6)** for the students of their respective departments. This policy implementation and monitoring committee will also act as committee for 'Brainstorming' on matters related to innovation, startups and related entrepreneurial activities.

Mission

To develop a vibrant ecosystem to harness innovative and entrepreneurial potential of the faculty and students with a well established institution innovation and startup policy.

Vision

Implement an Institution Innovation and Startup Policy to provide the support and guidance to the faculty and students to develop innovation and entrepreneurial culture and opt it as a career option.

1. Strategies and Governance

1.1. Developing an innovation, startup and entrepreneurial ecosystem is one of the priorities of NMAM Institute of Technology, Nitte enabling the faculty and students to realize their innovative technical potentialities.

1.2. The very mission and vision statements of the institute set a framework for the implementation of the innovation and startup policy emphasising achievement of the set goals through management by objectives (MBO) rather than coercive control system. The management of the institute ensures a committed support in the implementation of the policy.

1.3. The management and the administration authorities of the institute stress on creating an academic ambience to develop innovative and entrepreneurial mindset among the faculty and students.

1.4. The institution with academic autonomy; the Board of Studies of all branches of engineering and management incorporate the courses educating students (both in Undergraduate and Postgraduate courses) to acquire skills and knowledge on creative thinking, innovation and entrepreneurship and business policies such as Intellectual Property Rights, Management and Entrepreneurship, Financial Management, Human Resource Management, Business Economics, Organizational Behaviour, and so on.

1.5. At institution level, resource mobilization plan will be made to support the innovation and incubation infrastructure and other related facilities inorder to achieve a sustainable entrepreneurial agenda. An effort will be made to search for diverse external sources of funding of students' projects and innovative activities which involve government agencies and organizations (such as DST, KSCST, DBT, MSME, Startup India, Invest India, MSDE, etc.) and non-government sources (NGOs, Venture Capitalist, etc.)

1.6. The importance of Innovation, Intellectual Property Rights and Entrepreneurship always highlighted in organizing technical events and fests, competitions and exhibitions, workshops, conferences, seminars and such other events.

1.7. The institution has an active alumni network with a registered alumni association 'WENAMITAA' and individual alumnus could be encouraged to sponsor and donate actively for the promotion of innovation and entrepreneurial activities. The alumni network will also be involved in training and guiding the students on various activities related to innovation and entrepreneurship. The most needed opportunities will be created for the alumni entrepreneurs interaction to motivate the students engage creatively in innovation and entrepreneurial assignments and programmes.

1.8. The necessary action plan will be worked out to promote entrepreneurship culture through industry-academia interaction, public participation, functional partnership with other educational institutions (both at national and international levels), business organizations, international exchange programmes for internships, research, higher education, technical know-how and faculty which could directly or indirectly help in promoting innovation and entrepreneurship culture.

2. Startups Enabling Infrastructure

2.1. The faculty and students are encouraged to pursue research and innovation. The institution manages to provide the necessary support and guidance to the faculty and students in applying for IP protection (patent, design patent, trademark, copyrights, etc.) through its IP Cell.

2.2. The students are encouraged to actively involve and participate in various institution level and department level research and innovation oriented technical clubs managed by the student teams under the guidance of a designated staff (teaching or support staff or an external expert) such as Aero Club, Robotics Club, SAE-BAJA, FINITE LOOP club, , IOT Club, etc.. are in place and active. These club activities are coordinated by Centre For Student Innovation (CFSI) under the guidance of Incubation Centre Manager, NAIN, NMAM Institute of Technology, Nitte.

2.3. The faculty, researchers and students will be able to have an access to the pre-incubation and incubation facilities during all working hours and even 24x7 on certain special research and innovation oriented startups and entrepreneurial activities.

2.4. The faculty and students are encouraged to make use of the incubation facilities – Atal Incubation Centre (AIC) Nitte and New Age Incubation Network (NAIN) located in the campus and these incubation centres are operating as separate entities following their own prescribe guidelines and procedures as laid down in the selection of projects for funding and mentoring assistance. It ensures a greater freedom to incubators in decision making with less administrative hassles for executing the programs related to Innovation, IP ownership and Startups with higher level of accountability of investors and incubating facility providers. At present a good number of stratups are operating under the mentorship of AIC Nitte and student projects have been funded to register as Startups through mentorship of NAIN, Nitte.

2.5. Entrepreneurship Development Cell (EDC) organizes the entrepreneurship awareness and training programmes for the students inviting the resource persons from MSME Centres, Ministry of MSME, Government of India and experts from the industries, start-ups, incubation centres and academia. It also organizes job and skill oriented training programmes to the rural youth and women and students from various technical institutes.

3. Nurturing Innovations and Start ups

3.1. The institution has a well established Research and Innovation Centre providing the required facilities to the faculty and students in their research and innovation activities.

3.2. The Centre of Excellence in different streams of engineering and management provide the most needed expert guidance, laboratory and technical infrastructure and technical staff to the faculty, research scholars and students to carry out their academic research and innovation.

3.3. The IP Cell **(Annexure – 3)** of the institute provide the most needed guidance and support to the faculty and students to file application for IP protection such as patent, design patent, copyright, trademark, etc. The institution level IP Policy formulated and implemented by the IP Cell is in place and the guidelines and provisions of the policy are followed while patent filing **(Annexure - 4)**. IP Cell and Faculty experts in IPR organize and conduct the workshops, training programmes and seminars to create awareness about the importance of IPR knowledge, patent and patent filing procedure, and the like.

3.4. The institution may allow the staff and students to work on their innovative projects and setting up start-ups (including Social Start-ups) or work as intern/ part-time (without disturbing the assigned regular workload and work hours) in start-ups (incubated in any recognized Incubators) while studying / working with due approval of competent authority of the institute. Student entrepreneurs may be considered to earn credits (depending on the academic policy feasibility) for working on innovative prototypes and business models.

3.5. Students entrepreneurs may be allowed to appear for the examination with defined percentage of attendance benefit, if they satisfy atleast a minimum permissible percentage of attendance; however, with the prior permission of the higher authorities of the institute, the Principal.

3.6. The incubation centres (AIC Nitte and NAIN) may provide the funding, mentoring, workspace facilities (as per their established norms and procedures) to set up their startups. The incubation centres may provide facilitation 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, IP Services, human resource management as well as law and regulations impacting a business.

3.6. In case the institution facilities are used by the Faculty and Staff for innovation and strartup:
3.6. 1. for staff and faculty, the institute can take not more than 20% of shares that staff / faculty takes while drawing full salary from the institute; however, this share will be within the 9.5% cap of company shares

3.6.2. No restriction on shares that faculty / staff can take, as long as they do not spend more than 20% of office time on the startup in advisory or consultative role and do not compromise with their existing academic and administrative work / responsibilities. In case the faculty/ staff holds the executive or managerial position for more than three months in a startup, then they will go on sabbatical (if provision is made available)/ leave without pay/ earned leave.
3.6.3. In case of compulsory equity model, Startup may be given a cooling period of 3 months to use incubation services on rental basis to take a final decision based on satisfaction of services offered by the institute/incubator managed exclusively by the institute. In such case, during the cooling period, institute cannot force the stratup to issue equity on the first day of granting incubation support.

3.6.4. The institute may also provide services based on mixture of equity, fee-based and/ or zero payment model. So, a startup may choose to avail only the support, not seed funding, by the institute on rental basis.

3.6.5.. The institute may extend this startup facility to alumni as well as outsiders.

3.6.6.. Participation in innovation and entrepreneurship related activities needs to be considered as a legitimate activity of faculty in addition to teaching, R&D projects, industrial consultancy and management duties and must be considered while evaluating the annual performance of the faculty. Every faculty may be encouraged to mentor at least one startup.

3.6.7.. Product development and commercialization as well as participating and nurturing of startups would now be added to a bucket of faculty-duties and each faculty would choose a mix and match of these activities (in addition to minimum required teaching and guidance) and then respective faculty are evaluated accordingly for their performance and promotion.

3.6.8.. The institute management might also need to update/change/revise performance evaluation policies for faculty and staff as stated above.

3.6.9.. The institution need to ensure that at no stage any liability accrue to it because of any activity of any startup.

3.6.10. The institution and its administration has complete right to modify the policies and provisions made available to the faculty and staff either to any or all of the above in this category starting from 3.6.1 to 3.6.10.

4. Product Ownership Rights

4.1. NMAM Institute of Technology, Nitte encourages the faculty, research scholars and students to legally protect their research outcomes, innovation and products with the required guidance to file for IP Protection. The IP Cell of the institute has well established norms in place this regard **(Annexure - 4)**.

4.2. The IP Cell and authorities of the institute will only be providing the necessary coordination and facilitation services to the faculty, research scholars and students. It is the responsibility on the part of faculty, research scholars and students to explain how the invention is carried out, patented and however, licensed in specific cases and also to respond to the clarification sought.

4.3. The IP Cell of the institute consists of faculty who have expertise in R&D related responsibilities and technology translation; i.e., Dean, Research and Development) as chairperson of the IP Cell and IPR experts from the faculty and the president of the Institution Innovation Council (IIC) as the members **(Annexure - 2).**

4.4. NMAM Institute of Technology, Nitte recognises the importance of promoting interdisciplinary research and publication on entrepreneurship and startups. The courses Intellectual Property Rights (IPR) and Management and Entrepreneurship are added to the curriculum as credit courses.

5. Organizational Capacity, Human Resources and Incentives

5.1. NMAM Institute of Technology has the faculty and staff with innovation and entrepreneurial/ industrial experience; who act as catalyst in fostering the Innovation and entrepreneurial culture in the institute.

5.2. Some of the faculty members with relevant experience and expertise are assigned the responsibility of managing the activities related to IP, Entrepreneurship and Incubation facilities and related activities in the institute.

5.3. The faculty and staff of the institute with keen interest in IPR, Innovation, and Entrepreneurship deputed to training, FDPs, workshops, etc., to promote innovation and entrepreneurial culture in the institute on regular basis. Moreover, FDPs, Workshops and Training programmes IPR, Entrepreneurship Awareness and related areas are organized regularly in the institute for the benefit of faculty and students. In addition, various such activities are conducted by the EDC, IIC and IP Cell of the institute. New Age Incubation Network (NAIN) organises project related activities and hackthons in different field of engineering.

5.4. Faculty and staff of the institute are encouraged to do courses on innovation, entrepreneurship management and venture development. The institution has a well defined faculty appraisal system in place which give due consideration to innovation, R&D related activities, technical publication, entrepreneurial engagements.

6. Creating Innovation Pipeline and Pathways for Entrepreneurs at NMAM Institute of Technology, Nitte

6.61. To encourage faculty and students to have a better exposure to innovation and pre incubation activities at their early stage and to support the pathway from Dream to Deliver (Dream – Deduce – Design – Develop – Deliver) a strategic plan will be worked out.

6.2. The institution will focus on spreading awareness among the faculty, research scholars, staff and students about the importance of entrepreneurship in career growth and enhancement of employability.

6.3. The faculty and students will be taught to be aware about – how to empathise will the need of the society and people; and engage in technological innovation that will help in solving problems of the society and consumers as end users. Design thinking may be recommended as a course in curriculum.

6.3. Creating opportunity to expose the students to experiential learning and training on cognitive skills such as critical thinking, creativity, design thinking, etc. Initiatives like interaction with local entrepreneurs, participating of students in ideation and innovation related competitions, hackathons, bootcamps, conferences, workshops, exhibitions, expert mentoring, exposure to real life situations and challenges, etc., will be supportive in skill development.

6.4. Innovation and Entrepreneurship Awareness workshops and campaign are regularly organized for the benefit of the students.

6.5. Training and support facilities by the EDC, Incubation Centres (AIC Nitte, NAIN), MSME unit, IIC and IP Cell will be extended to enable the faculty and students to realize their entrepreneurial dreams as potential entrepreneurs.

7. Norms for Faculty Startups

The faculty and staff of NMAM Institute of Technology, Nitte are encouraged to engage in R&D, Innovation and Entrepreneurial activities with startup initiatives.

7.1. Role of faculty may vary from being an owner/ direct promoter, mentor, consultant or as on-board member of the startup.

7.2. The management of the institute may work on developing a policy on 'conflict of interests' to ensure that the regular duties of the faculty don't suffer owing to his/her involvement in the startup activities.

7.3. Faculty startup may consist of faculty members alone or with students or with faculty of other institutes or with alumni or with other entrepreneurs.

7.4. In case the faculty/ staff holds the executive or managerial position for more than three months in a startup, they will go on sabbatical (if provision is made available)/ leave without pay/ utilize existing leave.

7.5. Faculty must clearly separate and distinguish on-going research at the institute from the work conducted at the startup/ company.

7.6. Faculty must not accept gifts from the startup.

7.7. Faculty must not involve research staff or other staff of the institute in activities at the startup and vice-versa and strictly follow the employment policy of the institute.

8. Pedagogy and Learning Interventions for Entrepreneurship Development

Diversified approach should be adopted to produce desirable learning outcomes, which will include cross disciplinary learning using mentors, labs, case studies, games, etc. in place of traditional lecture-based delivery.

8.1. Student clubs/ bodies/ departments will be created for organizing competitions, bootcamps, workshops, awards, etc. These bodies will be involved in the institute's strategy planning to ensure enhancement of the student's thinking and responding ability.

8.2. NMAM Institute of Technology, Nitte may start annual 'Innovation & Entrepreneurship Award' to recognize outstanding ideas, successful enterprises and contributors for promoting innovation and enterprises ecosystem within the organisation. The institution also has the 'Best Engineer Award' in place bestowed on a successful engineer either an alumni or a successful engineer from the locality in and around the institute.

8.3. For creating awareness among the students, the teaching methods will include case studies on business failure and real-life experience reports by startups.

8.4. Tolerating and encouraging failures. Failures need to be elaborately discussed and debated to imbibe that failure is a part of life, thus helping in reducing the social stigma associated with it. Very importantly, this may be a part of institution philosophy and culture.

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

8.6. Entrepreneurship education may be imparted to students at curricular/ co-curricular/ extracurricular level through elective/ short term or long-term courses on innovation, entrepreneurship and venture development. Validated learning outcomes will be made available to the students.

8.7. Integration of expertise of the external stakeholders may be done in the entrepreneurship education to evolve a culture of collaboration and engagement with external environment.

8.8. In the beginning of every academic session, institute conduct an induction program with an introductory awareness about the importance of Innovation and Entrepreneurship; so that freshly inducted students are made aware about the entrepreneurial agenda of the institution and available support systems. Curriculum for the entrepreneurship education will be continuously updated based on entrepreneurship research outcomes. This will also include case studies on failures.

8.9. Industry linkages will be leveraged for conducting research and survey on trends in technology, research, innovation, and market intelligence.

8.10. Sensitization of students may be done for their understanding on expected learning outcomes.

8.11. Student innovators, startups, experts must be engaged in the dialogue process while developing the strategy so that it becomes need based.

8.12. Customized teaching and training materials may be developed for startups in addition to those that are already in place.

8.13. It must be noted that not everyone can become an entrepreneur. The entrepreneur is a leader, who would convert an innovation successfully into a product, others may join the leader and work for the startup. It is important to understand that entrepreneurship is about risk taking. One must carefully evaluate whether a student is capable and willing to take risk.

8.14. Pedagogical changes need to be done to ensure that maximum number of student projects and innovations are based around real life challenges. Learning interventions developed by the institute for inculcating entrepreneurial culture may be constantly reviewed and updated.

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

9.1. Stakeholder engagement will be given prime importance in the entrepreneurial agenda of NMAM Institute of Technology, Nitte. The institute may find potential partners, resource organizations, micro, small and medium sized enterprises (MSMEs), social enterprises, schools, alumni, professional bodies and entrepreneurs to support entrepreneurship and co-design the programs.

9.1.1. To encourage co-creation, bi-directional flow/ exchange of knowledge and people will be ensured between institutes/ organisations such as incubators, software technology parks of India and science parks, etc.

9.1.2. The institute may organize networking events for better engagement of collaborators and will open up the opportunities for staff, faculty and students to allow constant flow of ideas and knowledge through meetings, workshops, space for collaboration and lectures etc.

9.1.3. Mechanism will be developed by the institute to capitalize on the knowledge gained through these collaborations.

9.1.4. Care will be taken to ensure that events don’t become an end goal.

9.2. NMAM Institute of Technology, Nitte may formulate the policy and the guidelines for forming and managing the relationships with external stakeholders including private industries.

9.3. Knowledge exchange through collaboration and partnership will be made a part of NMAM Institute of Technology, Nitte policy and the institution will provide support mechanisms and guidance for creating, managing and coordinating these relationships.

9.3.1. Through formal and informal mechanisms such as internships, teaching and research exchange programmes, clubs, social gatherings, etc., faculty, staff and students of the institute will be given the opportunities to connect with their external environment.

9.3.2. Connect of the institute with the external environment must be leveraged in form of absorbing information and experience from the external ecosystem into the institute environment.

9.3.3. Single Point of Contact (SPoC) mechanism may be created in all the engineering and management departments of the institute **(Annexure – 6)** for the students, faculty, collaborators, partners and other stakeholders to ensure access to information.

9.3.4. Mechanisms may be worked out by the institute to ensure maximum exploitation of entrepreneurial opportunities with industrial and commercial collaborators.

9.3.5. Knowledge management will be done by the institute through development of innovation knowledge platform using in-house Information & Communication Technology (ICT) capabilities.

10. Entrepreneurial Impact Assessment

10.1. Impact assessment of institute entrepreneurial initiatives such as pre-incubation, incubation, entrepreneurship education will be performed regularly using well defined evaluation parameters.

10.1.1. Monitoring and evaluation of knowledge exchange initiatives, engagement of all departments and faculty in the entrepreneurial teaching and learning will be assessed.

10.1.2. Number of start-ups created, support system provided at the institute level and satisfaction of participants, new business relationships created by the institute will be recorded and used for impact assessment.

10.1.3. Impact will also be measured for the support system provided by the institute to the student entrepreneurs, faculty and staff for pre-incubation, incubation, IPR protection, industry linkages, exposure to entrepreneurial ecosystem, etc.

10.2. Formulation of strategy and impact assessment will go hand in hand. The information on impact of the activities will be actively used while developing and reviewing the entrepreneurial strategy.

10.3. Impact assessment for measuring the success will be in terms of sustainable social, financial and technological impact in the market. For innovations at pre-commercial stage, development of sustainable enterprise model is critical. However, Commercial success is the only measure in long run.

Annexure – 1

NITTE EDUCATION TRUST | NMAM INSTITUTE OF TECHNOLOGY

Ref.No.NMAMIT/NC/2021/CIR-908 Date:17-8-2021

INSTITUTION INNOVATION AND STARTUP POLICY FORMULATION COMMITTEE

In compliance with guidelines issued by the Ministry of Education, Government of India; an 'Institution Innovation and Startup Policy Formulation Committee' has been formed with the following members.

Sl. No.	Name	Designation	Contact Number /e-mail ID	Address
1	Prof. (Dr.) Niranjan N Chiplunkar	Chairman	9611266900 principal_nmamit@nitte.edu.in	Principal, N M A M Institute of Technology, Nitte – 574 110, Karkala Taluk, Udupi District, Karnataka State.
2	Sri. A Yogeesh Hegde	Management Representative	9845208273 reg_nitte@nitte.edu.in	Registrar, Nitte Education Trust, N.E.T Campus, Nitte – 574110 Karkala Taluk, Udupi District, Karnataka State.
3	Dr. Ramakrishna B.	NISP Coordinator	9880779928 ramakrishnab@nitte.edu.in	Professor/Chief Project Leader, Entrepreneurship Development Cell/ Coordinator – MSME & STEP, NMAM Institute of Technology, Nitte – 574110, Karkala Taluk, Udupi District, Karnataka State.
4	Mr. Gulzar	Member	9916081736 info@excellentbiotech.com	**M/s Excellent Biotechnologies,** Plot No. 121/2, Sy No. 122 Kariyappana Halli, Jungle Palya Gate, Jigani Road, Bannerghatta Post – 560 083, **Bangalore,** Karnataka State. Tel: 0091-80-32550712
5	Dr. Anil Kumar H S	Member	9845372379 anilkumar@nitte.edu.in	Associate Professor, Biotechnology/President, Institution Innovation Council (IIC), NMAM Institute of Technology, Nitte – 574110, Karkala Taluk, Udupi District, Karnataka State.
6	Mr. Puneeth Rai,	Member	9880088678 Puneeth.rai@nitte.edu.in	Incubation Manager, **AIC - Nitte Incubation Centre,** N.E.T Campus, Nitte – 574110, Karkala Taluk, Udupi District, Karnataka State.
7	Mr. Shashank Shetty	Member	8197903771 shashankshetty@nitte.edu.in	Assistant Professor, Computer Science & Engineering/District Innovation Associate, **New Age Innovation Network (NAIN),** NMAM Institute of Technology, Nitte – 574110, Karkala Taluk, Udupi District, Karnataka State.

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8	Dr. Vikram Raju	Member	9100313222 vikram.raju@nitte.edu.in	Associate Professor, Computer Science & Engineering/Coordinator, **Intellectual Property (IP) Cell,** NMAM Institute of Technology, Nitte – 574110, Karkala Taluk, Udupi District, Karnataka State.
9	Mr. Bharath G Kumar	Member	9902414602 Placement.nmamit@nitte.edu.in	Lead – Placements, **Department of Counselling, Student Welfare, Training & Placements,** NMAM Institute of Technology, Nitte – 574110, Karkala Taluk, Udupi District, Karnataka State.

The members of the committee will guide and assist the NISP Coordinator of the institute in the formulation and implementation of the 'Institution Innovation and Stratup Policy'. The committee is also responsible take the necessary initiatives to educate and train the students and faculty of the institute in association with the Institution Innovation Council (IIC) about the procedures and provisions made available and motivate them to engage in R &D and Entrepreneurial assignments.

Principal

Cc to: Principal's table, Registrar
Vice Principal & Dean(Acad), Vice Principal & CoE
Dean(R&D), Dr. Muralidhar-PG Coordinator,
Dr. Subrahmanya Bhat-Dean (Student Welfare)
Dr. Rajesh Shetty-Dean(Admsn. & Alumni affairs)
All HoDs -Civil, Mech, E&C, E&E, ISE,CSE, Biotech, AI&ML, CCE, MCA, MBA, Phy, Chem, Maths, Hum, P&T, Library
Dr. Narasimha Bailkeri- 1st year coordinator
Dr. Srinath Shetty- R.E.
EDC, PRO
To all the above mentioned committee members (in the list)

Annexure – 2

NITTE EDUCATION TRUST | NMAM INSTITUTE OF TECHNOLOGY
(An Autonomous Institution affiliated to VTU, Belagavi)

Resolution

The first council meeting of Institution's Innovation Council (IIC), **NMAM Institute of Technology, Nitte** was called by IIC President **Dr. Anil Kumar H. S.** to discuss upon the formulation and function of IIC & shared roles and responsibility among newly joined council members as per the guidelines of MHRD's Innovation cell.

Sr. No.	Name of Member	Member Type (Teaching/ Non-teaching / External Expert)	Key Role/ Position assigned in IIC	Signature
1	Dr. Anil Kumar H.S	Teaching	President	
2	Dr. Karthik Pai B H	Teaching	Vice-President	
3	Dr. Ajit M Hebbale	Teaching	Convener	
4	Dr. Narasimha K Bailkeri	Teaching	ARIIA coordinator	
5	Dr. Shashikantha Karinka	Teaching	IPR Activity	
6	Dr. Ramakrishna B	Teaching	Entrepreneurship	
7	Dr. Shivakumar B R	Teaching	Startup Activity	
8	Mr. Shashank Shetty	Teaching	Innovation Activity	
9	Mr. Devidas	Teaching	Social Media	
10	Dr. Anitha M Colaco	Teaching	Internship Activity	
11	Mr. Vasudeva Pai	Teaching	IIC portal In charge	
12	Mr. Krishnaraja Joisa A	Non-teaching	NIRF coordinator	
13	Dr. Santhosh G	Teaching	Member	
14	Ms. Ankitha A Nayak	Teaching	Member	
15	Dr. Bhojaraj B E	Teaching	Member	
16	Mr. Sabyath P Shetty	Teaching	Member	
17	Dr. Narendra K C	Teaching	Member	
18	Mr. Balaji N	Teaching	Member	
19	Mr. Anantha Moorthy	Teaching	Member	
20	Dr. Shivaprasad Shetty	Teaching	Member	
21	Dr. Raghavendra Bairy	Teaching	Member	
22	Ms. Sneha Nayak	Teaching	Member	

The council members met and discussed about the objective of IIC, type of activities (IIC calendar and Self-Driven), features of IIC portal for monthly report submission mechanism. The council members also discussed about collaborations with organisations to accelerate the activities of IIC. The council also deliberated on **quarterly action plan** in synchronisation with activities and initiatives of other departments, centres and facilities in the Institute working towards promoting IPR, Innovation and Start up.

The council unanimously decided to carry out all the IIC activities in regular basis throughout the year and meet regularly in beginning of every quarter to review the progress made in previous quarter and also to plan for upcoming quarter. The council has agreed to convene next meeting on 02-01-2021

Date: 04-11-2020
Place: Nitte

Signature & Seal
(IIC President or HOI)

Annexure - 3

NITTE EDUCATION TRUST | NMAM INSTITUTE OF TECHNOLOGY
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15.07.2019

Office Memo

As per the resolution of research advisory committee, IPR cell has been formed in NMAMIT with the following composition.

Chairman- Dr. Sudesh Bekal (Dean R&D)

Members:

1. Dr. Shashikanth Karinka – HoD, Professor Mechanical Department
2. Dr. Anil Kumar- Associate professor of Biotechnology
3. Dr. Krishnanand Shet- Associate Professor of Electronics& Communication Department.
4. Dr. Ajith Hebbale- Associate Professor of Mechanical Engineering

Coordinator- Dr. Vikram (Associate Professor CSE)

The members will serve for a period of three years starting from 1.08.2019

Principal
(Dr. Niranjan N Chiplunkar)

The chairman and members are requested to sign below to indicate their acceptance.

1. Dr. Sudesh Bekal 15/7/2019
2. Dr. Shashikanth Karinka 15/07/2019
3. Dr. Krishnanand Shet 15/7/2019
4. Dr. Ajith Hebbale 16/7/2019
5. Dr. Vikram 15/7/19

Annexure – 4

NITTE EDUCATION TRUST | NMAM INSTITUTE OF TECHNOLOGY

(An Autonomous Institution affiliated to VTU)

JOINT NMAMIT-NMIT IPR POLICY

Preface

Intellectual Property (IP) refers to creation from the mind of any person (inventor) such as inventions, innovations, literary work, artistic works, designs, symbols, names, logos, images. IP plays an important role in providing a competitive edge to any organization. The tangible assets like inventions, designs, software, brand name and other creative and innovative ideas are more valuable than physical assets. It is necessary to protect these creations in order to enable organizations to earn recognition or financial benefits. In this scenario, Governments of various countries protect the innovative ideas of the inventors through Intellectual Property Rights (IPR). Recently, IPR has become a central issue in the developed and developing countries. The faculty, research scholars, scientists, students and other personnel of NMAMIT and NMIT are actively engaged in various research and development activities of diversified nature. Many of these research and development leads to different forms of IP, which are likely to be commercially exploited unless protected by IPR. In this scenario, NMAMIT and NMIT encourages, facilitates, promotes and safeguards scientific investigations and research of NMAMIT and NMIT Personnel. Common IP Policy aims to lay down the process for promotion and support to innovators of NMAMIT and NMIT for converting their innovative works into IP. Common IP policy also aims to set forth guidelines for ownership of IP developed at NMAMIT and NMIT by personnel who are directly or indirectly associated with the institution, either in-house or outsource, sponsored unless specially covered by a policy to the contrary. The common IPR Cell will address specific cases by using this IP policy document as guidelines. The IP policy is expected to fulfill the commitment of both the institution in order to promote academic freedom and provide a beneficial environment for research and development.

Introduction to IPR

Intellectual Property Rights denotes the specific legal rights of the inventors to hold and exercise Patents, Trademarks, Copyrights, Industrial Designs, etc. IPR aims to exclude third parties from exploiting the protected subject matter for a certain period of time (normally 20 years), without explicit authorization from the right holders. IPR owners can use or disclose their creations without fear of loss of control over their usage during the course of dissemination of their creation/invention. IP confers of exclusive rights in relation to the particular form in which ideas/information are expressed /manifested in the following manner:

- New and useful scientific and technical advancements in the form of innovations, inventions, products and processes, computer hardware and software, materials, biological varieties, etc. which are patentable. Industrial and architectural designs, models, drawings, creative, artistic and literary works, teaching resource materials, generated records of research including thesis, dissertations, etc. which are copyrightable.
- Trademarks, service mark, logos, etc.

Objectives of NMAMIT AND NMIT IP Policy

The objectives of this common IP policy are:

- To foster, stimulate and encourage creative activities in the widest sense in all the areas in which academic, consultancy and research programmes are offered by both the institution.
- To protect the legitimate interest of faculty / scholars / students of NMAMIT and NMIT to avoid conflict of opposing interests.
- To lay down a transparent administration system for the ownership and control of intellectual properties and sharing of the revenues generated and owned by NMAMIT AND NMIT.
- To strengthen enforcement and adjudicatory mechanisms for combating IPR infringements.
- To encourage collaboration with industries and research organizations to foster breakthroughs in research.
- To develop and commercially exploit the IP pursued by NMIT inventors through a Start-up companies of NMIT.

APPLICABILITY/SCOPE OF THE IP POLICY

- This Policy shall apply to all Intellectual Property created on or after June 2018 and all IP Rights associated with them.
- This IP Policy of the NMAMIT/ NMIT is applicable to all Researchers who have established a legal relationship with NMAMIT/NMIT or who has made Substantial Use of institutes' resources. This policy is also applicable to Researchers who have created the IP while at the NMAMIT and NMIT and thereafter have resigned, quit or graduated from the NMAMIT/ NMIT.
- It applies to NMAMIT/ NMIT Researchers working at other organizations through a formal agreement between NMAMIT/ NMIT and the other organization, under such cases the IP Policy of the NMAMIT/ NMIT will be interpreted in reference to the relevant formal inter-institutional agreement.
- It applies to all proposals/engagements/collaboration concerning R&D projects, technology transfer, consultancy assignments, IP Protection etc., need the approval of the Patent Cell of NMAMIT/ NMIT before they are accepted by the concerned Researchers or submitted to the concerned external organizations.

Ownership of IP

NMAMIT and NMIT shall be the owner, with the creators specially stated as inventors for all the intellectual property inventions, software designs and specimens created by the creators who include faculty members, research scholars, students and those who make use of the resources of NMAMIT and NMIT.

The Inventions created by NMAMIT/NMIT personnel, shall be owned by the institution and inventers the revenue generated out of such creations shall be shared in the ratio of 60:40 between the creator and NMAMIT/NMIT respectively. If inventors are from both institutions, then institution's share of 40% shall be shared between institutions. If an IP has emerged as a result of an Institutional/Industrial consultancy, sponsored to NMAMIT/NMIT the concerned industry and NMAMIT/NMIT shall own the IP. This however will not apply to those IP that are covered under specific MoU's where the action shall be carried out as per the provisions of the MoU's. If the IP is a result of funds sponsored by an outside agency, then the IP will be shared between NMAMIT/NMIT and the sponsoring agency on case by case basis, as per MoU/Agreement/Undertaking between NMAMIT/NMIT and the outside agency.

A computer software may be patented, copyrighted, trademarked depending upon the IP content. A copyright software may be distributed for research and teaching purposes by its creator after obtaining appropriate undertaking to the effect that it will not be used for commercial purpose nor will it be transferred to any other party without explicit permission of NMAMIT / NMIT.

Evaluation of IP and Patent Filing Process

The common IPR cell will coordinate the activities associated with patenting with the help of external patent attorney. Initial evaluation of patentability of the IP will be carried out by the external agency for free. However, if IP found to be acceptable for patent/trademark/copyright then NMAMIT/ NMIT will bear the entire patenting expenses, however the patent will have to be filed with NMAMIT and NMIT as applicants and expenses will be shared by both the institutes.

Publication Based on IP

For patentable IP, an arrangement will be made for patent protection by filing patent protection (non-disclosure agreement) with the attorney. Confidentiality shall be maintained till the dates stipulated in the contract between the concerned parties. Once the IPR is published in the Journal of Indian Patent Office the inventor/creator is encouraged to publish the work in the interest of general public.

Maintenance of Patents

The inventions, wherein NMAMIT and NMIT are co-applicants shall be renewed on yearly basis at the consent of both institutions. The maintenance of patents granted in association with external agencies will be as per MOU established; however if MOU

established states that the patent ownership is with external agency and inventor, NMAMIT/NMIT will play no part in the maintenance of the patent.

Copyrights

Ownership of the copyrights:

NMAMIT/ NMIT shall be the owner of all copyright works including software and all connected teaching materials designed and developed by employees of NMAMIT/ NMIT.

Further, NMAMIT/ NMIT shall also be the owner of copyrights of works produced, including software and all teaching materials developed by persons not directly associated with NMAMIT/ NMIT, provided NMAMIT/ NMIT has made its contribution in the form of any of the resources. The ownership of copyright by NMAMIT/ NMIT will in no way deprive the claims of the creator/author to publish his/her contribution in a scholarly and intellectual way and they have authority to improve, publish and propagate their works.

Copyright will also be governed by other rules and regulations framed for patents.

Annexure - 5

ARIIA
ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS

ARIIA 2021: Parameters & Weightages

There is a differential weightage allocation for "Technical HEI" and "Non-Technical HEI" classes. The weightages allocation for the various parameters and a special section named as "Participation of HEI in I & E Initiative of MOE" included as below.

Sl. No	Parameters	Non-Technical HEI	Technical HEI
1	Developing an Innovative and Entrepreneurial Mind-set through Series of Activities	8	4
2	Teaching and Learning: Academic Programmes related to Innovation & Entrepreneurship (I & E) & IPR offered by the HEI	10	6
3	Dedicated Infrastructure & Facilities to Promote Innovation & Entrepreneurship at HEI	13	13
4	Generation of Innovations/ ideas with the support of HEI and recognition received	13	13
5	Ventures Established with the support of the HEI & Recognitions Received	8	12
6A	Angel &VC Fund/Investment Mobilized to Support Innovation & Startups Incubated at HEI	3	5
6B	Promotion of Collaboration for & Co-Creation of I & E initiatives	8	5
7	Intellectual Property (IP), Generation and Commercialization	14	19
8A	Annual Budget on Promoting and Supporting I&E Activities: Total expenses towards I &E and IPR support activities	8	8
8B	Total Revenue Generated by HEI from Incubation Services to Startups and Commercialization of IP and Innovations	4	6
9	Participation of HEI in I & E Initiative of MOE	11	9
Total		100	100

Annexure – 6

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CIRCULAR

Institution Innovation and Startup Policy Implementation and Monitoring Committee

Following members of this committee are responsible for the implementation and monitoring of the Institution Innovation and Startup Policy (IISP) in coordination with institution nominated NISP Faculty Coordinator and President, IIC.

Sl. No	Name	e-mail ID	Contact Number	Designation	
01	Dr. Niranjan N Chiplunkar Principal	principal_nmamit@nitte.edu.in	9611266900	Chairperson	
02	Dr. Anil Kumar H S Dept. of Biotechnology.	anilkumar@nitte.edu.in	9845372379	IIC President / Coordinator	
03	Dr. Ramakrishna B. Dept. of Humanities/ Chief Project Leader-EDC	ramakrishnab@nitte.edu.in	9880779928	NISP Faculty Coordinator	
04	Dr. Ajith M Hebbale Dept. of Mechanical Engg	ajith.hebbale@nitte.edu.in	9964843284	Member	SPOC
05	Dr. Shivakumar B R Dept. of E & C Engg.	shivkumarbr@nitte.edu.in	9886951214	Member	SPOC
06	Mr. Shashank Shetty Dept. of CS&E	shashankshetty@nitte.edu.in	8197903771	Member	SPOC
07	Dr. Anitha M Colaco Dept. of E&E Engg.	anithamp81@nitte.edu.in	9481769509	Member	SPOC
08	Mr. Vasudeva Pai Dept. of IS&E	paivasudeva@nitte.edu.in	9986434076	Member	SPOC
09	Mr. Krishnaraja Joisa A PRO, NMAMIT, Nitte.	krishnaraja@nitte.edu.in	7259671555	Member	
10	Dr. Bhojaraj B E Dept. of Civil Engg.	be.bhojaraj@nitte.edu.in	9886814626	Member	SPOC
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12	Dr. Shivaprasad Shetty Dept. of Chemistry	shivaprasad@nitte.edu.in	9916035415	Member	SPOC
13	Dr. Raghavendra Bairy Dept. of Physics	rbairy@nitte.edu.in	9964279415	Member	SPOC
14	Mr. Rakesh Shetty JKSH Institute of Management, Nitte	rakeshshetty@nitte.edu.in	9743286455	Member	SPOC
15	Dr. Vasanth K R Dept. of Mathematics	drvasanth@nitte.edu.in	9164281740	Member	SPOC
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19	Dr. Grynal D'Mello Dept. of Robotics & AI	grynal@nitte.edu.in	9741736234	Member	SPOC

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20	Dr. Sandesh K Dept. of Biotechnology	sandeshk@nitte.edu.in	9535616039	Member	SPOC

The committee members with mention 'SPOC' act as 'Single Point of Contact' to the Faculty and Students from their respective departments on matters related to Institution Innovation and Startup Policy (IISP). The Institution Innovation Council (IIC) is responsible for conducting awareness and training programme on IISP for the faculty, research scholars and students.

The Head of the Institute, Principal, NMAM Institute of Technology, Nitte, as Chairperson of the committee could re-form the committee as and when required.

Principal

Cc to: Principal's table, Registrar
Vice Principal & Dean(Acad), Vice Principal & CoE
Dean(R&D), Dr. Muralidhar-PG Coordinator,
Dr. Subrahmanya Bhat-Dean (Student Welfare)
Dr. Rajesh Shetty-Dean(Admsn. & Alumni affairs)
All HoDs -Civil, Mech, E&C, E&E, ISE,CSE, Biotech, AI&ML, CCE, MCA, MBA, Phy, Chem, Maths, Hum, P&T, Library
Dr. Narasimha Bailkeri- 1st year coordinator
Dr. Srinath Shetty- R.E.
EDC, PRO
To all the above mentioned committee members (in the list)