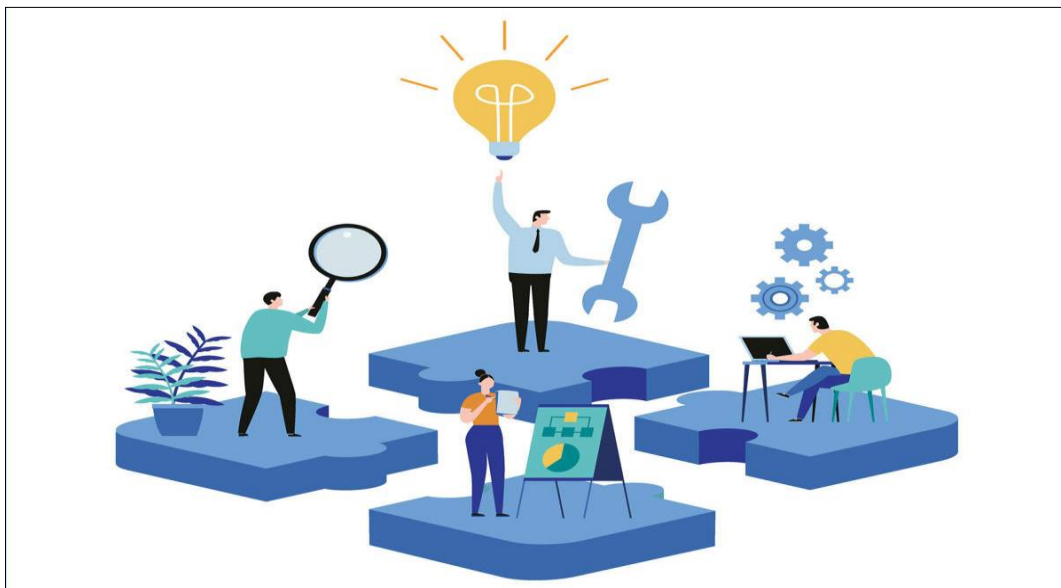




APCOER- INNOVATION AND START UP POLICY

FOR “STUDENTS AND FACULTY MEMBERS”
(Aligned with National Innovation and
Start-up policy-2019)



**ABMSP's Anantrao Pawar College of Engineering
and Research, Parvati, Pune**

Maharashtra, India

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NISP Committee at APCOER

Sr. No.	Name of Member	Position	Nomination category
1	Dr. Sunil B. Thakare	Principal	-
2	Prof. Nilesh A. Jadhav	Nominated faculty for NISP	-
3	Dr. Kashinath H. Munde	Associate Professor	Incubation Unit
4	Mr. Deepak Patil	Director, Vimalsonic Industries, Pune	Industry Associations
5	Mr. Uday Jadhav	Director, UL Automation, Pune	Industry Associations
6	Prof. Sagar M. Gawande	Assistant Professor, APCOER	IPR Experts
7	Dr. Padmakar Kelkar	CEO, Brightstar Electronics, Pune	IPR Experts
8	Mr. Nilesh Dorge	Software Engineer, Yash Technologies, Pune	Alumni
9	Mr. Suhas Mulay	Executive Officer, Serum Institute, Pune	Alumni
10	Mr. Akshay Salunkhe	Director, Avighna Industries, Pune	Startup Founders
11	Mr. Aditya Bathija	Managing Partner, Infinity Solutions, Pune	Startup Founders
12	Mr. Ashok Saraf	Trustee, Science and Technology Park, Pune	Innovators
13	Mr. Sudarshan Natu	M.D. Nital Computer System Pvt Ltd, Pune	Innovators
14	Mr. Anirudhha Kale	Director, Andy Infosec Pvt. Ltd, Pune	Entrepreneurs
15	Mr. Girish Nigde	Director, Technodezire Solar Pvt Ltd, Pune	Entrepreneurs

About APCOER

Akhil Bhartiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research (APCOER) was established in 2012, with the vision 'Committed to comprehensive development of students through quality technical education.' Under the able guidance of our visionary leader Padma Vibhushan Sharad Pawar, with an Objective to facilitate the Best Engineering education to the students and contribute towards meeting the need of Skilled and Technically conversant engineers and Management Professionals, for the Country that embarked on an Economic Growth Plan. APCOER is in process of establishing its APCOER Business Incubator.

APCOER offers B. E. Degree courses in six disciplines and in addition M. E. in two disciplines to meet varied aspirations of the students. Our annual Intake is 348 including all our UG/PG programs. Our Institute has NAAC accreditation and ISO 2015 Certification.

The main goal of policy is to nurture ideas from professionals / students/ local community and foster such entrepreneurial ideas in a supportive environment before they become attractive for venture capital. The policy aims to promote and support untapped creativity of individual innovators and to assist them to become technology based entrepreneurs. It also seeks to promote networking and forging of linkages with other constituents of the innovation chain for commercialization of their developments, provide support and training for students and innovators who are interested in converting their social ideas into social startup. APCOER will provide necessary infrastructure, prototype development support, research assistance, help in getting funding, business consulting assistance, mentoring and guidance to make their idea into a successful venture. APCOER will be adopting the proposed Policy to provide guidance and management structure to facilitate development of entrepreneurship and Innovation.

Preamble

In November 2016, All India Council of Technical Education (AICTE) released a Start-up Policy document for AICTE approved institutions, to address the need of inculcation of innovation and entrepreneurial culture in higher education institutions (HEIs). The policy primarily focused on guiding the AICTE approved institutions in implementing 'Start-up Action Plan' of Government of India. Subsequent to release of the Start-up policy by AICTE and further interaction & feedback received from education institutions, a need was felt for a

more elaborate and comprehensive policy guiding document, which could be applicable for all the HEIs in India. This leads to the ‘National Innovation and Start-up Policy (NISP)’.

In context to the NISP a 15 member committee was constituted in APCOER to formulate detailed guidelines for various aspects related to innovation, Start-up and entrepreneurship management. This committee deliberated on various facets for nurturing the innovation and Start-up culture in APCOER, which covered Intellectual Property ownership, revenue sharing mechanisms, and norms for technology transfer and commercialization, equity sharing, etc. After multiple rounds of meetings, APCOER Innovation and Start-up Policy were prepared for students and faculties of APCOER.

Vision

To provide support and conducive environment for students and faculties in converting their ideas into start-up and creation of successful entrepreneurs.

Mission

To create an ecosystem that will foster, support innovation and knowledge-based entrepreneurship amongst the students and other incubates to transfer knowledge into creation of wealth and social value through successful ventures.

Objectives

1. To create awareness about the importance of entrepreneurship among the students and Faculties.
2. To promote new technology/ knowledge/ innovation based start-ups.
3. To promote design thinking process among the students and faculties and provide the platform for speedy commercialisation of technology.
4. To enhance the domain knowledge, skills to develop the innovative products /services through training and skill development.
5. To build a vibrant start up ecosystem, by establishing a network between academia, financial institutions, industries, and other institutes.
6. To provide the educational infrastructure of the institute towards start -ups and entrepreneurship opportunities for student and faculties.

Thrust Areas

APCOER will support students and Faculties who are having an idea with high impact and which has very good opportunity to be a successful startup. Any Individual / group of people (students or faculty) can initially propose and with prime drivers as Quality, Productability, affordability, sustainability, local relevance, reliability, Innovativeness, Commercial viability.

APCOER accepts ideas from diverse domains as mentioned below

- Building Materials/Construction Technology
- Electricity, New and Renewable Energy and Environmental sustainability
- Energy conservation, Energy efficient Motors and Equipments
- Electric Mobility
- Emission Control Systems and products
- Solar Photovoltaic systems and design optimization
- Education
- Information& Communication Technology (ICT)
- Manufacturing Automation and Engineering
- Additive Manufacturing
- Water, Sanitation and Solid-Liquid Waste Management
- Waste heat Recovery Systems
- Telecommunication
- Cyber Security
- Artificial Intelligence and Remote Monitoring
- Drone Technology
- Other emerging areas of social / national importance

Applicability

This policy is applicable to any person who receives any direct or indirect benefit under the programme when accepted into the start-up policy programme:

1. APCOER students and faculty
2. APCOER Alumni
3. APCOER Staff (Non-Technical)
4. Management of APCOER

Start-ups Enabling Institutional Infrastructure

Institute has already developed institutional infrastructure to enable start-ups and progressed in this direction from ED Cell establishment to its promotion into TBI.

- Office space.
- Computers Internet connection.
- Standard Furniture as decided by APCOER.

Following resources are provided:

- Photocopying machine.
- LCD Projector.
- Document Scanner.
- Library Access Facilities.
- Meeting/Conference room with projection equipment.
- Tele or Video conferencing facilities.
- Printer.
- Central Lab facilities

Overall Procedure for Students and faculty governance

It is very important to primarily identify which ideas can successfully go through the Incubation process. This phase of pre-incubation can prepare student entrepreneurs for the incubation phase by providing those prerequisite skills and knowledge that will help them Validate and assess their ideas as well as define their business models in detail. In the pre incubation planning phase, the following activities are to be performed:

1. **Identification of problems:** Students will visit various sectors like villages, hospitals, urban areas etc. and will visualize practical problems that are associated with those sectors. Various other field visits may occur for identification of real life problems.
2. **Idea generation:** Depending upon the problems students have to come out with a potential solution for a specific problem. That idea should be novel, innovative and can be able to solve a real life problem effectively.

3. Collection of Ideas: Students have to submit the ideas in proper format to the authority in online mode. The ideas may be considered to take part in smart India Hackathon and National Innovation Contest i.e. conducted by MoE.

4. Screening of Ideas: Selected applicant will be invited to give presentation to evaluation committee based on their potency of idea they will be shortlisted.

5. Supporting, mentoring and strengthening of ideas: The shortlisted ideas will go through series of workshops, webinars, lecture series etc. In order to improve their ideas to solve problems and know various aspects of start-ups. Each idea may be under mentorship of a mentor from APCOER. Under his/her provision ideas may go to incubation stage.

6. Business plan preparation: Workshop will be conducted on 'business plan development' for awareness of students by inviting renowned expert from industry or academia. Selected ideas are required to present their business plan with market analysis.

7. Prototype development: Finally students have to prepare a prototype for their ideas. The prototype may be prepared under direct supervision of mentor assigned.

8. Basic Idea Testing: Student idea needs to be tested before applying for incubation. Academic Institutions must ensure pre-incubation qualification of a student's business idea.

9. Promoters Details: Relevant details of promoters are required to be validated before allowing start-ups to enter the incubation process.

10. Registration of Start-up: The Student Start-up needs to be registered under a form of Business entity like Partnership Firm, LLP, Private Limited Company or part of a APCOER Innovation & Start up Company. Start-ups should be able to provide a copy of the registration certificate/letter to his/ her academic institution.

Faculties needn't to undergo ideation stage and take part in competition as stated above. They may directly go for registration of their idea/prototype and follow steps

Institute may form one or more innovation and startup mother companies as a SPV to cater to different emerging areas.

Mentoring Services

- A student has to take faculty advisors from the APCOER & Innovation Club members as mentor/advisor on technology and business development issues.
- The student is also allowed to take specialized mentors from Industries/research institutes/Govt. organizations/Startup encouraging organizations are also available to

the companies to assist with particular strategic areas or to provide project-oriented consultation.

Norms for faculty start-up

- (1) For better coordination of the entrepreneurial activities, norms for faculty to do start-ups have been created by the institutes.
 - Institutes should 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 start-up activities.
 - Faculty startup may consist of faculty members alone or with students or with faculty of other institutes or with alumni or with other entrepreneurs.
- (2) Faculty must clearly separate and distinguish on-going research at the institute from the work conducted at the startup/ company.
- (3) Faculty can involve research staff or other staff of institute in activities at the start-up as per the norms of APCOER for industrial consultancy and sponsored projects.

Use of APCOER's Infrastructure

If so desired by the startup, APCOER may permit use of other departmental laboratories of APCOER for their product development and testing purposes. However, this will be done in a way to avoid clashes with the normal course structure, Lab classes of the concerned discipline. Further usage of such resources shall be on commercial chargeable basis which will be decided by APCOER's concerned Department along with the Incubation Centre, APCOER based on the facilities and equipments planned to be used by the startup as per the policy of APCOER.

Regulations

- All incubatees are required to observe health and safety standards. No hazardous material can be brought inside the complex. On special cases, when such materials are required for the product development, it has to be brought with prior approval of APCOER authority, by following necessary safety standards are to be followed. SOP for handling such material is to be submitted to APCOER, while taking permission.
- All the incubatees are required to keep a first aid kit available at the working place.

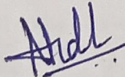
- Incubatees are required to keep the Institute informed about any visitor from abroad, foreign collaboration and/or foreign partner/director, and abide by the rules/procedures in vogue in the Institute. In case of a foreign visitor, the copies of their passport and Visa are to be submitted to APCOER in advance.
- No incubatee or its employee can display notices or signage except on the provided notice boards and the space provided for such signage.
- Incubatee should observe that noise levels are kept at minimum and, no abnormal noise by any machine or by their employees or visitors should be made. Any complaint of high noise level will result in appropriate action by APCOER.

Disclaimer

The incubatee company will understand and acknowledge that APCOER intends to provide supports and services to the Company in good faith to pursue its objective to promote entrepreneurship by converting innovative technologies developed in the Institute to commercialization by incubating and supporting new enterprises. It is APCOER Innovation & Startup Policy understood that by agreeing to provide various supports and services, APCOER does not undertake responsibility for:

- Ensuring the success of an incubatee company, its products/ process/ services or marketability.
- Ensuring quality of support and services provided by APCOER to the complete satisfaction of the incubatee companies or their promoters/ founders.
- Ensuring quality of services of the consultants engaged by the incubatee companies through APCOER network. Incubatee companies will have to apply their judgments before getting in to a relationship with them.
- The incubatee companies agree that APCOER or their employees shall not be held liable for any reason on account of the above.

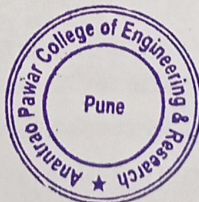
This policy is prepared by NISP committee under the supervision of

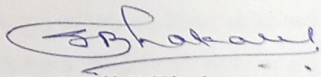

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