



## **Akole Taluka Education Society's Faculty of Polytechnic, Akole**


Approved by AICTE- New Delhi, Government of Maharashtra and affiliated to MSBTE, Mumbai  
Diploma Programmes (MECH,COMP, E&TC, CIVIL)

### **Innovation and Startup Policy (For Faculty and Students)**

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## **Preamble**

In November 2016, All India Council of Technical Education (AICTE) released a Startup 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 'Startup Action Plan' of Government of India. Subsequent to release of the Startup 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. A fifteen membered committee was constituted by Ministry of Human Resource Development to formulate detailed guidelines for various aspects related to innovation, Startup and entrepreneurship management. This committee deliberated on various facets for nurturing the innovation and Startup culture in HEIs, which covered Intellectual Property ownership, revenue sharing mechanisms, norms for technology transfer and commercialization, equity sharing, etc. After multiple rounds of meetings, National Innovation and Startup Policy 2019 for students and faculties of HEIs were prepared.

## **Vision**

India aspires to become 5 trillion-dollar economy by 2024. To reach the mark, it needs to evolve systems and mechanisms to convert the present demographic dividend into high quality technical human resource capable of doing cutting edge research and innovation and deep-tech entrepreneurship. The 'National Student and Faculty Startup policy 2019' is a guiding framework to envision an educational system oriented towards start ups and entrepreneurship opportunities for student and faculties. The guidelines provide ways to Indian HEIs for developing entrepreneurial agenda, managing Intellectual Property Rights (IPR) ownership, technology licensing and equity sharing in Startups or enterprises established by faculty and students. In India, innovation is still not the epicenter of education.

In order to achieve the cultural and attitudinal shift and to ensure that 'Innovation and Startup' culture is the primary fulcrum of our higher education system a policy framework and guidelines are the need of this hour. These guidelines will enable institutions to actively support their faculty, staff and students to participate in innovation and entrepreneurship (I&E) related activities, thus encouraging students and faculty to consider start ups and entrepreneurship as a career option. These recommendations and guiding principles will also help HEIs in creating their own policy framework, if required. Moreover, these guidelines will facilitate Ministry of Human Resource Development in bringing uniformity across HEIs in terms of IPR ownership management, technology licensing and institutional startups policy, thus enabling creation of a robust innovation and Startup ecosystem across all HEIs. These guidelines will also help emphasize that the entrepreneurship is all about creating a business, which is financially successful.

### About Faculty of Polytechnic:

Akole taluka Education Society's Faculty of Polytechnic College was established in the year 2014. Along with this, The College is affiliated to MSBTE, Mumbai and our polytechnic is recognized by All India Council of Technical Education (AICTE), New Delhi. The institute is affiliated to Maharashtra State Board of Technical Examinations (MSBTE) for all its Engineering diploma courses. Spread over 05 Acre campus, 1 km away from Akole Bus Stand, With quiet and peaceful ambiance away from hustle bustle of the city

The institution is located along the Mumbai-Agra national Highway at a historical place chandwad, which is just 64 km away from Nasik & 24km away from Sangamner. It is easily approachable from these places by frequent S.T bus services.

### Purpose of FOP's Innovation and startup policy:

Promotion of Innovation and Entrepreneurship startup policy is an important activity at Faculty of polytechnic, Akole. It is a very well designed strategy formulated to implement entrepreneurial vision of the institute

The implementation of innovation entrepreneurial policy is the responsibility of a senior person at the level of dean/ director/ Principal/ equivalent position, who is able to understand the industry and startup culture. The policy is formulated keeping the institute's vision and missions in mind.

Ministry of Education (MoE) launched the National Innovation and Start-up Policy 2019 (NISP) for Students and Faculty members to outreach the innovation culture in the nation. The guidelines framed in the NISP provide the pathway for framing Innovation and Entrepreneurship Policy in Higher Educational Institutions (HEIs) and implementing the same in respective HEIs. The objective of NISP 2019 is to bring India into the top 5 in innovation index ranking.

The policy intends to guide HEIs to promote students' and faculty driven innovations & startups. It will be instrumental in leveraging the potential of student's problem solving & entrepreneurial mind-set and promoting a strong intra and inter-institutional partnerships.

Highlighting features of the policy:

1. Creation of 'Innovation fund' for supporting innovative projects and Start-ups by allocating minimum 1% of institution's total budget.
2. Academic break for a semester/ year to work on their startups Credits for working on innovative prototype/ business models.
3. 2% - 9.5% Equity/ stake in startup/ company by Institute's incubator Complete Ownership of IPR by the inventors in case of non-usage of institute's facilities/ resources.

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4. Services to be offered by institution in lieu of equity, fee based or zero payment model
5. Institute may also raise funding through sponsorships and donations. Institute should actively engage alumni networks for promoting Innovation & Entrepreneurship.
6. Importance of innovation and entrepreneurial agenda is known across the institute and promoted and highlighted at institutional programs such as conferences, convocations, workshops, etc.
7. Student and faculty startup Policy and action plan is formulated at Institute level, which is in line with the current document along with well-defined short-term and long-term goals. Micro action plans have also been developed by various departments to accomplish the policy objectives.

### Creating Innovation Pipeline and Pathways for Entrepreneurs at Institute Level

- a. To ensure exposure of maximum students to innovation and pre incubation activities at their early stage and to support the pathway from ideation to innovation to market, mechanisms should be devised at institution level.
  - i. Spreading awareness among students, faculty and staff about the value of entrepreneurship and its role in career development or employability should be a part of the institutional entrepreneurial agenda.
  - ii. Students/ staff should be taught that innovation (technology, process or business innovation) is a mechanism to solve the problems of the society and consumers. Entrepreneurs should innovate with focus on the market niche.
  - iii. Students should be encouraged to develop entrepreneurial mindset through experiential learning by exposing them to training in cognitive skills (e.g. design thinking, critical thinking, etc.), by inviting first generation local entrepreneurs or experts to address young minds. Initiatives like idea and innovation competitions, hackathons, workshops, bootcamps, seminars, conferences, exhibitions, mentoring by academic and industry personnel, throwing real life challenges, awards and recognition should be routinely organized.
  - iv. To prepare the students for creating the start up through the education, integration of education activities with enterprise-related activities should be done.
- b. The institute should link their start ups and companies with wider entrepreneurial ecosystem and by providing support to students who show potential, in pre-startup phase. Connecting student entrepreneurs with real life entrepreneurs will help the students in understanding

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real challenges which may be faced by them while going through the innovation funnel and will increase the probability of success.

- c. The institute should establish Institution's Innovation Councils (IICs) as per the guidelines of MHRD's Innovation Cell and allocate appropriate budget for its activities. IICs should guide institutions in conducting various activities related to innovation, startup and entrepreneurship development. Collective and concentrated efforts should be undertaken to identify, scout, acknowledge, support and reward proven student ideas and innovations and to further facilitate their entrepreneurial journey.

### Norms for Faculty Startups

- a. For better coordination of the entrepreneurial activities, norms for faculty to do startups should be created by the institutes. Only those technologies should be taken for faculty startups which originate from within the same institute.
  - i. Role of faculty may vary from being an owner/ direct promoter, mentor, consultant or as on-board member of the startup.
  - ii. 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 startup activities.
  - iii. Faculty startup may consist of faculty members alone or with students or with faculty of other institutes or with alumni or with other entrepreneurs.
- b. In case the faculty/ staff holds the executive or managerial position for more than three months in a startup, they will go on sabbatical/ leave without pay/ utilize existing leave.
- c. Faculty must clearly separate and distinguish on-going research at the institute from the work conducted at the startup/ company.
- d. In case of selection of a faculty start up by an outside national or international accelerator, a maximum leave (as sabbatical/ existing leave/ unpaid leave/ casual leave/ earned leave) of one semester/ year (or even more depending upon the decision of review committee constituted by the institute) may be permitted to the faculty.
- e. Faculty must not accept gifts from the startup.
- f. Faculty must not involve research staff or other staff of institute in activities at the startup and vice-versa.
- g. Human subject related research in startup should get clearance from ethics committee of the institution.

Overall Procedure for Students and faculty governance

All applications will undergo the following steps of assessment:

1. A student/group of students has to find out a problem statement. Problem statement should be realistic one and it should be associated directly with societal issue.
2. Student has to find out a potential solution that can solve the predefined problem. The solution should be an innovative solution
3. A faculty member is assigned for each group for mentorship. Each group has to prepare a prototype or design under the mentorship of the faculty.

4. Basic Eligibility Check

Submit a duly filled out standard project application form of the project along with a short cover letter summarizing the project proposal in not more than 500 words

5. Full Project Appraisal and Scoring Having passed the basic eligibility check

Each proposed project will be fully appraised and needs score against the following criteria:

1. The proposed innovative project must provide evidence of how it will contribute to the overall objective of the NISP Project. (20 points)
2. The applicants must provide evidence of how the proposed innovative project contributes to their chosen priority topic and theme (20 points)

Under the generic selection criteria, the proposed innovative projects will be further appraised and scored on the basis of meeting the following criteria which will assess their efficiency, relevance, effectiveness and how appropriately they address cross cutting themes (160 points).

1. **Impact on citizens in the region:** projects must demonstrate real life rural and tribal integration experiences. Also shows opportunities and communicate the tangible outcomes for citizens.
2. **Value for money:** The proposed innovative projects must be realistically costed and have the capacity to promote positive perception amongst citizens of the tribal area.
3. **Need/Justification:** The need and justification for the proposed innovative project must be well established and described. Any relevant research should be included to show how the project links with or complements real life problems
4. **Contribution to cross cutting themes.** The proposed innovative project must contribute to the following cross cutting themes:-
  - a) Gender and marginalized groups: promote the involvement and participation of the marginalized groups and gender mainstreaming



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- b) Sustainable Development: projects must illustrate financial, operational, environmental and social sustainability
  - c) Partnership: projects must demonstrate the involvement of the relevant stakeholder groups in the preparation and implementation of the project
  - d) Conflict sensitivity: projects should facilitate the participation and integration of different interest groups and should contribute to conflict mitigation where necessary. The project should be in line with the “do-no-harm” approach
5. **Communication strategy:** The proposed innovative project must demonstrate clear strategies for communicating and publicizing the activities, outcomes and impacts of the project and their on the citizens

### Project selection and implementation:

#### 1. Project Selection:

The Nominated faculty for NISP and Central Project Committee will evaluate the fully developed and submitted projects as per the outlined criteria. Only short-listed projects will proceed to the next step of evaluation. Only short-listed applicant will be contacted after the decision-making and informed on the subsequent steps. All projects are evaluated according to a fixed set of criteria, and the final funding decision is made by committee.

#### 2. Scoring System:

All projects will be scored out of 200 points. The quality threshold is 130 points or 65%. Projects that do not score at least 65% of the total points available will not be considered for support. A score equivalent to 65% or above does not guarantee funding, as shortlisted applications will be scored and ranked and a initial amount of funding will then be allocated to the highest ranked projects.

#### 3. Implementation:

The selected projects will start according to the agreed operation plan to be drawn by the stakeholders. The stipulated timeline for each project is a maximum of 6 months. All project related activities must be completed the deadline. Throughout the project implementation phase, quarterly financial and narrative reporting to Committee is mandatory. The reporting must be in line with the project’s Operation & Results Plan.

#### 4. Communication:

Constant communication and publicizing of the project activities is an integral part of the project, and as such, the project implementers must regularly provide communication

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materials such as presentation, photos, videos, interviews clips and reports, articles, success stories etc. from their project implementation activities.

**Applicants are invited to submit their innovative project proposals to a given mail ID: [fop.nisp@gmail.com](mailto:fop.nisp@gmail.com)**

Faculty of polytechnic, Akole Innovation and startup policy

**Innovation and Start-up Policy Formulation Committee members at Institute level**

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Name of Institute / Company</b>
1.	Dr. R. D. Palhade	Nominated Faculty, NISP Principal	ATES, Faculty of Polytechnic, Akole
2.	Prof. G. G. Gade	HOD, Mechanical department	ATES, Faculty of Polytechnic, Akole
3.	Prof. P. S. Wakchaure	HOD, E&TC, Department	ATES, Faculty of Polytechnic, Akole
4.	Prof. M. K. Phatangare	HOD, Civil, Department	ATES, Faculty of Polytechnic, Akole
5.	Prof. S. B. Deshmukh	HOD, Computer Department	ATES, Faculty of Polytechnic, Akole
6.	Prof. M. V. Awari	Coordinator, NISP Committee Lecturer, E&TC Department	ATES, Faculty of Polytechnic, Akole
7.	Mr. Pradipraj Naikwadi	Owner	Nagraj Construction And Developer, Akole
8.	Mr. Rushikesh Shete	Owner	S. R. Services, Akole
9.	Mr. Amol Lahamange	Owner	Ekdant Automobiles, Sangamner
10.	Mr. Santosh Rahane	Owner	Technospark center, Sangamner
11.	Mr. Akshay Kolhe	Owner	Suprempower technologies, Sangamner

## **Contact us**

Students those have any innovative idea and want to establish a successful startup are advised to contact the following faculty of their branch. The nominated faculties will help them to show direction to avail pre-incubation and incubation facility.

Sr. No.	Name of faculty	Branch	Contact number
1	Prof. R. S. Satpute	E&TC	Ph. No.: +91-8669138651 Email ID: rahulsatpute2614@gmail.com
2	Prof. P. B. Wale	Civil	Ph. No.: +91-9975608970 Email ID: prashantwale50@gmail.com
3	Prof. R. R. Dhumal	Mechanical	Ph. No.: +91-7588513143 Email ID: dhumalrupesh@gmail.com
4	Prof. M. P. Deshmukh	Computer	Ph. No.: +91-9527142351 Email ID: mayurishi95@gmail.com
5	Prof. S. V. Shete	Applied science and humanity department	Ph. No.: +91-8275444225 Email ID: suvidha.shete@gmail.com

**To contact ATES, FOP, Akole**

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