



Innovation and Entrepreneurship (I &E) Policy

KDK College of Engineering (KDKCE), Nagpur is the one of the top educational institutes in the Maharashtra State, with 39 years of standing. KDKCE had a vibrant and dynamic Institute Innovation Cell (IIC) with Design thinking, Ideation, Intellectual property and pre incubation cells as four pillars. KDKCE dedicated to promote innovation and entrepreneurship to convert the students and faculty innovative ideas/problems to tech-solution with a feasible business model stage. We are into promotion of Entrepreneurship Development among students for more than 2 decade. We have by now trained more than 150 faculties and 2000 students in the area of Entrepreneurship through conduction of 1/3/7/30 days training programmes.

The IIC has been organizing various events to encourage students and faculty of the institute in various domains in connecting with design thinking, innovation, ideation and incubation. The students and faculty will come up with tech solutions for the problems from Industry, Society, and Market to generate Ideas/Proof of Concepts (PoCs) and helping them to get converted to prototypes and mentor them to develop business models ready. Therefore, creating a strong ecosystem of quality and quantity tech based potential start-ups for incubators industry to take further from students, faculty and alumni of the institute.

The KDKCE will have a foresighted thinking in all prospects among all other engineering colleges and thus it is initiated the start-up ecosystem in the campus. The institute has to support for faculty and student's start-ups by providing all the necessities as per the National Innovation and start-up policy 2019 for students and faculty guidelines as minimum of 1% of the total budget should be used for start-up cell activities in the institute. The Atal Ranking of Institutions on Innovation Achievements (ARIIA) ranking (2021) has 70% of marks to promote Innovation, Entrepreneurship and Start-up and it is clearly states the importance of start-up cell in the institute. The start-up cell also helps the institute in obtaining good rank in NIRF and NBA as there is a good weightage in the domains of patents filed, patents granted, consultancy and industry collaboration.

Vision:

Our vision is to develop high quality technical human resource capable of doing cutting edge research and innovation and deep-tech entrepreneurship.

Mission:

- To establish a vibrant and dynamic Startup Ecosystem across all the departments.
- To enable the institute to actively engage students, faculties and staff in innovation and entrepreneurship-related activities.
- To create a space for Collaboration, Co-creation, Business Relationships and Knowledge Exchange.

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- To facilitate the institute in terms of Intellectual Property (IP) ownership management, technology licensing and equity sharing.

Objectives:

- To promote and foster the spirit of entrepreneurship.
- To create awareness about entrepreneurship by periodically organizing Workshops, Lectures and other activities that can facilitate knowledge creation and innovation.
- To create a Start-up Ecosystem through strategic investment, scaling up and providing a resourceful consultancy leveraging the innovation climate.
- To incubate early stage entrepreneurial ventures based on technology and innovation..
- To identify and facilitate generation of innovative technology solutions which have potential for commercial ventures and social impact in the sectors like Clean Environment, Green Energy/Alternative Energy, Health Care, Food & Beverages, and Education etc.

Scope and Importance of Establishing the Start-Up Policy:

The start-up cell may have the impact on the various evaluation systems such as NIRF, AICTE, MHRD – MIC norms, ARIIA and NBA and the brief details are presented below for your kind information.

1. NIRF:

- Research and Professional Practice (RP)
- IPR and Patents: Published and Granted (IPR)
- Footprint of Projects and Professional Practice (FPPP)

2. AICTE and MHRD Norms:

Investment in the entrepreneurial activities should be a part of the institutional financial strategy. Minimum 1% fund of the total annual budget of the institution should be allocated for funding and supporting innovation and startups related activities through creation of separate 'Innovation fund'.

The Institute Innovation Cell (IIC) has been organizing various events in connection with MHRD IIC and in addition to that the institute may initiate the start-up cell to promote the incubation and enhance innovation culture in the institute.

3. ARIIA - Atal Ranking of Institutions on Innovation Achievements – 2021

More than 60% of marks are distributed to the innovation and startup support, funding, revenue generation, IP and etc.

4. NBA – Research and Development (75)

5.8.2. Sponsored research (20)

5.8.3. Development activities (15)

5.8.4 Consultancy from industry (20)

5. Entrepreneurship College level

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Student Entrepreneur shall be encouraged to introduce the concept of Student Entrepreneur.

Faculty / Student Start-Up may have the following Contents in the Policy:

1. Kind of company
2. Capital support
3. Other support from the institute
4. Financial sharing with start-up
5. IPR
6. Loan amount recovery
7. Role of Faculty
8. Methodology

1. Kind of Company:

- (a) Companies jointly owned by the faculty members and graduating students/alumni (along with possibly others)
- (b) Companies owned by the faculty members (one or many) along with possibly others.
- (c) Companies owned by the graduating students, alumni along with possibly others.

2. Capital support:

The faculty / student start-up may have its own funding and accounting procedures in line with the prevailing statutory norms. The faculty/student may apply for various funding sources with institute support. The institute may support for funding based on the IIC committee decision and as per the funding support provided the institute contribution in the company may be decided.

3. Other Support from the Institute:

The faculty / student start-up may utilize the necessary facilities such as office, operational space, permission to use laboratories, workshop facilities and equipment, business management advice, networking support, mentoring, seed-fund when possible, monitoring.

4. Financial Sharing with Start-up:

The faculty/student start-up may utilize the financial support from the institute and the institute may have 1 to 6% share in the start-up. The IIC committee will review the quarterly financial report of the start-up. The Institute will have the right to liquidate the shares after 5 years of the start-up with the decision from the start-up. The shares price may be evaluated on mutual basis or price calculated by experts.

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Case 1: If the institute provides only necessary support without any financial assistance in seed and capital at the outside of the institute premises, the institute share is 1% of net earnings of the start-up.

Case 2: If the institute provides the necessary support at the institute premise without financial assistance, the institute share is 2% of the net earnings of the start-up.

Case 3: If the institute provides the necessary funds at outside of the organization the distribution of net earnings as given below

S.No	Total net earnings	Percentage (up to 2.5 lakhs)	Percentage (2.5-5 lakhs)	Percentage (5-10 lakhs)	Percentage (10lakhs)
1.	Not exceeding 10 Lakhs	5%	6%	7%	8%
2.	Above 10 Lakhs Less than 25 Lakhs	6%	7%	8%	9%
3.	Above 25 Lakhs Less than 50 Lakhs	7%	8%	9%	10%
4.	Above 50 Lakhs Less than 1 Crore	8%	9%	10%	11%
5.	Above 1 crore	9%	10%	11%	12%

5. Intellectual Property Rights (IPR):

The institute faculty/students may use an IPR filed / granted with institute affiliation in start-up. If the start-up may file new patent in the relevance of institute existing IPR, the prior permission and license agreement may be required.

6. Role of Faculty:

The faculty/ student is expected that the faculty members would be owners of such companies and be a Director on the Board. Also, the faculty member may choose to play an operational role (Technical Advisor, CEO, Marketing Manager etc).

- The faculty/student can work in start-up two days in a week
- The faculty/student can work after the college time
- The faculty can take sabbatical leave and work full-time in the start-up · The faculty can take EOL and work full-time in the start-up

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- The faculty member is expected to complete all his responsibilities on time ·
The students can have a attendance exception to 15 % and below 60% is not permissible
- The student is expected to full fill all responsibilities to obtain a degree

8. Methodology:

A Company will necessarily be required to be incubated in the Institute. However, in exceptional cases, the institute may allow a faculty member to open/operate/incubate the Company outside the institute if sufficient justification is provided.

Our Norms:

Component	Functionality
1.Kind of company	Faculty / student
2.Capital support	Seed funding (0 to 2 lakhs)
3.Other support from the institute	All institute facilities, labs, testing and etc
4.Financial sharing with start-up	The faculty/student start-up may utilize the financial support from the institute and the institute may have 1 to 6% share in the start-up.
5.IPR	The institute affiliated patent may be used for start-up. For similar kind of patent application, the institute permission is required. For new patent the start-up will have full rights.
6.Loan amount recovery	First year no interest. After 18 months from the date of first disbursement of loan with simple interest.
7.Role of Faculty	Director on the Board, Technical Advisor, CEO, Marketing Manager etc.
8.Methodology	A Company will necessarily be required to be incubated in the Institute. However, in exceptional cases, the institute may allow a faculty member to open/operate/incubate the Company outside the institute if sufficient justification is provided.

For staff and faculty, institute would take no-more than 20% of shares that staff / faculty takes while drawing full salary from the institution; however, this share will be within the 9.5% cap of company shares, listed above.

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KDKCE – Start-up Evaluation Committee

Institute Level Evaluation Committee:

1. Principal
2. Vice Principal
3. IIC President & Vice President
4. Start-up cell In-charge
5. Department HOD
6. IIC Design thinking, Ideation, Intellectual property and pre incubation coordinators.

Upon review of the institute evaluation committee the idea will be evaluated at society level and decision will be taken for further processing.

Society Level Evaluation Committee:

1. Chairman
2. Secretary / Treasurer
3. Principal
4. Vice Principal
5. Startup cell In-charge
6. Department HOD

NISP Implementation Committee:

A committee has been formed by identifying the experts having expertise and experience in the domain of innovation, IPR and startup to start the work of policy formation and implementation of guidelines at the institute.

S.No.	Name of Member	Member Type (Teaching/Nonteaching Student/External Expert)	Key Role / Position
1	Dr. D.P.Singh	Teaching	Principal (Advisor)
2	Dr. A.M.Badar	Teaching	Vice-Principal (Advisor)
3	Dr.C.C.Handa	Teaching	President-IIC
4	Dr.A.C.Waghmare	Teaching	Convenor-IIC
5	Prof.V.N.Mujbaile	Teaching	NISP Coordinator
6	Dr. A.V.Vanalkar	Teaching	Start-up Activity Coordinator
7	Dr. D.M.Hole	Teaching	Internship Coordinator
8	Dr.(Mrs) S.P.Wankhede	Teaching	IPR Activity Coordinator
9	Prof. M.N.Umre	Teaching	Social Media Coordinator
10	Dr. S.K.Choudhary	Teaching	ARIIA Coordinator
11	Dr.(Mrs) S.P.Khandait	Teaching	NIRF Coordinator
12	Dr. Pankaj Gajbhiye	Teaching	Member
13	Dr. R.A.Burange	Teaching	Member
14	Dr. C.S.Hiwarkar	Teaching	Member

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15	Dr. H.V.Gorewar	Teaching	Member
16	Mrs. K.Chandwani	Teaching	Member
17	Dr. K.A.Gedekar	Teaching	Member
18	Prof. A.R.Nikhade	Teaching	Member
19	Prof.V.D.Dhopte	Teaching	Member
20	Prof.Mayuur Shelke	Teaching	Member



Principal

Copy to :

- Vice-Principal
- Heads of all the departments
- Committee Members
- Office File