OFFICE OF THE

PRINCIPAL GOVERNMENT COLLEGE RUPNAGAR

ਦਫ਼ਤਰ ਪ੍ਰਿੰਸੀਪਲ ਸਰਕਾਰੀ ਕਾਲਜ ਰੂਪਨਗਰ

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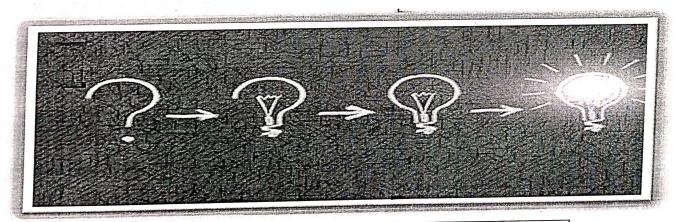
Date 31-10-2022

**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of Education Initiative)

GOVERNMENT COLLEGE ROPAR
INNOVATION AND START-UP POLICY
(FOR STUDENTS AND FACULTY MEMBERS)
(Aligned with National Innovation and Start-up policy, 2022)

GOVERENMENT COLLEGE, ROPAR
website:www.govtcollegeropar.org
www.iic.govtcollegeropar.org

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No. 3435

Date 31-10-2022

Contents

No. 3435   Date 31-10-2022

About GOVRNMENT COLLEGE ROPAR(GCR)

Government College, Ropar, one of the premier institution of modern Punjab is legacy of pre-partition days. Late S. Baldev Singh, the first defence minister of free India deserves special mention. He was the man whose vision and personality ultimately led to the establishment of this college on 6'" June 1945. The college is surrounded by scenic beauty of Shiwalik Hills, Satluj River and a mound representing ancient Indian culture and civilization.

Ropar is one of the economically backward district of Punjab. The town Ropar is situated at the foot hill of Shiwalik Hills and is a place of great archaeological importance and ancient civilization that existed about 5000 years ago. The excavation from the Mound near Govt. College, Ropar and articles found their in prove this fact. It is also believed that Rigveda was written on the banks of river Satluj (Gazetteer of India, Punjab, Ropar 1987). Ropar was made district Headquarter with the reorganisation of Punjab on Nov. T. 1966. The excavation conducted here indicate the first civilised folk settled here were "Harappans". During medieval period of history invaders from North-West followed this route. On return journey Amir Timur marched through this tract of land. Great Sikh Warrior Banda Bahadur on way crossed Satluj near Ropar. This land is also blessed by the great Sikh Gurus. The major parts of surrounding areas was visited by tenth Sikh Guru, Guru Gobind Singh who fought many battles near Ropar.

Ropar contributed to 1857 mutiny also. The treasurer of Ghaddar Party (1913) Pt. Kanshi Ram belong to this region. Freedom Fighter Lala Lajpat Rai spend his childhood at Ropar, where his father Sh. Radha Krishan was working as a primary teacher.

No. 3435

Date 31-10-2022

At present Ropar is a developing town in the vicinity of Chandigarh, Bhakra Dam, Thermal Plant, National Fertilizers, Chemical and Industrial belts of Mohali and Distt. Nawanshahar.

The foundation stone of the main block of the college was laid in 1949 & the main building was completed in 1951. Bawa Balwant Singh was the founder Principal

followed by the galaxy of Principals like Sarvshri Ugar Sen, Mohan Lai Sethi, K.L. Malhotra, A.N. Kapoor, P.C. Joshi, Gursewek Singh, S.K. Malhotra, O.P. Sharma, Prem Sagar Shastri, B.K. Bhalla, D.D. Aggarwal, Sarwan Singh, Narinder Singh, J.S. Sibia, Miss. Beant Kaur Grewal, Hardial Singh, Vidwan Singh Soni, Tarsem Dhariwal, Dr. S.K. Bhathal, Mrs. Harbans Kaur Rai, Mrs. Prema Saini, Mrs. Paramjit Kaur Pasricha, Dr. Reetinder Mohan Kohli, Mrs. Roma Dosanjh, Dr.Snehlata badhwar, Dr.Sant Surinder Pal Singh, Dr.Jaswinder Kaur and now Mrs Gurpreet Kaur. These great academicians brought laurels to the college and its activities. At present it is one of the revered institution of the state. These great academicians brought laurels to the college and its activities. At present it is one of the revered institution of the state.

Later, two more buildings, one for the geography Deptt. and other for the Physical Department were constructed. The college also has spacious library block, an auditorium, an open air theater vast play ground and a boys' hostel , apart from principal's and Hostel Supdt.'s residence, lecture theaters, laboratories, class rooms and well maintained lawns.

There is no other college in the economically backward area of Ropar, so it serves the needs of a large number of pupils from nearby villages and small towns.

The college is affiliated to Punjabi University, Patiala and offered graduate as well as Post-graduate level courses.

About Institution's Innovation Council (GCR-IIC)

Govt. college Ropar has established Institution's Innovation Council (IIC) as per the norms of the MHRD Innovation Cell (MIC) of Ministry of Human Resource Development, Government of India. The main aim of GCR IIC is to encourage young talented minds to participate in the entrepreneurial initiatives by providing

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No. 3435

Date 31-10-2022

them a perfect platform for showcasing their talents, working together as teams andparticipate in various competitions. It is working ceaselessly to create an innovative environment for the students to discover, develop, deploy their skills and talents. The motto of GCR IIC is to

foster an entrepreneurial culture, by providing the students opportunities to transform their business ideas to reality & to promote new technology/knowledge/ innovation-based start-ups.

The renowned entrepreneurs, government officials, experts from different fields are invited to guide and motivate students. Furthermore, IIC also helps the students to channelize their requirements in terms of financial, technical and legal aspects. The council also conducts seminars and workshops and helps in arranging the industrial visits.

GCR is working ceaselessly to foster innovative and entrepreneurial culture among students, and promoting innovation and entrepreneurship is at the core of every activity performed by various departments. GCR has provided a breeding ground for student start-ups. With the continuous motivation, guidance and support of Prof. Jatinder singh Gill, Principal GCR, and GCR-IIC team, many students have started their own ventures, be it a fashion boutique, beauty salon, diet clinic, nutritive foods manufacturing or video editing.

Vision

To bring about an attitudinal and cultural change and ensure that the 'Innovation and Startup' culture is the primary fulcrum of our higher education system.

Mission
- To tap and maximize the entrepreneurial mindset of students and actively involve them in the innovation and start-up culture by familiarizing students and faculty with the entrepreneurial process and its phases at the ground level and providing all kinds of support and information about funding sources and investment opportunities aimed at promoting new technologies.

Objectives
- To promote and support institutional entrepreneurs in order to foster an entrepreneurial set up
- To build a thriving ecosystem in order to comply with the MHRD's innovation initiatives
- To encourage students to be more innovative, creative, and design-oriented

5

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No. 3435

Date 31-10-2022

- To provide a space to students for creating globally recognized novel products and generate market opportunities To establish a paraphernalia for revenue generation from innovative products and ideas
- by collaborating with government and funding agencies

1. Strategies & Governance for Promoting Innovation & Entrepreneurship

- A student (or a group of students) must identify a problem statement in the areas of health and hygiene, waste management, agriculture, robotics, artificial intelligence, electronics and computing, automobiles, food processing or allied areas with the permission of the pre-incubator. The problem statement should be practical and specifically related to a social problem.
- The student must come up with a viable and creative solution to the predefined problem and submit an application to the Innovation Council through its webpage.
- The application will be reviewed and screened for eligibility and the applicant will be called for a meeting if the application is approved.
- The applicants whose application get approved after preliminary check are required to submit a detailed business plan which includes an executive summary of the expectations, market and competitive analysis, description of products and services, marketing plan, sales model, risk analysis, funding sources and financial projections.
- The business plan will be screened by the committee on the basis of submitted documentation to determine the suitability of the proposal for further assessment by expert representatives. The applicants can include any additional data as they believe will assist in evaluating their proposal. The applicants can be invited to make a presentation on their plan and the members can request any additional information from the applicants to review the proposal in order to allow the expert members to take an appropriate decision.
- Every idea will be considered to be a part of the National Innovation contests organized by MHRD innovation cell. The incubator can however opt out from the contest.
- If the idea stands eligible for a start-up as decided by experts it will be registered as a student start-up under a form of business entity.
- The start-up would be admitted to incubation start-up unit of the innovation Cell and the students will be assigned a faculty member as their mentor. The unit will help the start-up in every manner to let it be the successful start-up.
- The faculty members need not undergo ideation stage and they can take part in competition and register their ideas or prototypes.

6

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No. 3435

Date 31-10-2022

2. Eligibility Criteria and Admission

- The policy is open to all the students, researches, staff and alumni of GCR who wish to start a business enterprise and they will be admitted into pre incubation stage.
- It is expected that the innovators move from pre incubation stage to incubation stage within one year of the admission to pre incubation stage. The policy is also open to technology based registered/ unregistered Start-up company.
- The promoters and founders of unregistered company must get the company registered within a period of six months after joining the incubation unit.
- Any other innovator approved by the Start-up committee or from the institutions collaborating with GCR can also apply for the incubation.

3. Nurturing Innovation and startups

GCR's Innovation and Startup Scheme has identified a number of protocols and mechanisms enabling students (UG, PG), staff including temporary teachers, alumni, and potential start-up applicants from outside the institutions to easily create and nurture Startups/enterprises. The following are the policy's key features:

- GCR's Pre-Incubation unit offers access to pre-incubation and Incubation facility to start-ups by students, staff and faculty for mutually acceptable time-frame.
- The students and faculty members intending to initiate a start-up based on the technology developed or co-developed by them or the technology owned by the institute, would be allowed to take a license on the said technology on easy term, either in terms of equity in the venture and/ or license fees and/ or royalty to obviate the early stage financial burden.
- The unit will allow its students/staff to work on their innovative projects and setting up startups (including Social Start-ups) or work as intern / part-time in startups (incubated in any recognized HEIs/Incubators) while studying/working. Student Entrepreneurs may earn credits for working on innovative prototypes/Business Models.
- Student may also be allowed to opt for start-up in place of their mini project/ major project,seminars, summer trainings. The area in which student wants to initiate a start-up may be interdisciplinary or multidisciplinary.
- Students who are under incubation, but are pursuing some entrepreneurial ventures while studying would be allowed to use their address in the institute to register their company with due permission from the institute.
- Students entrepreneurs would be allowed to sit for the examination, even if their attendance is less than the minimum permissible percentage, with due permission from the institute.

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No. 3435

Date 31-10-2022

- Institute will facilitate the startup activities/ technology development by allowing students/ faculty/staff to use institute infrastructure and facilities, as per the choice of the potential entrepreneur. It would provide Mentorship support on regular basis. Institute may also link the startups to other seed-fund providers/ angel funds/ venture funds or itself may set up seed-fund once the incubation activities mature.

- In return of the services and facilities, institute may take 2% to 9.5% equity/ stake in the startup/company, based on brand used, faculty contribution, support provided and use of institute's IPR (a limit of 9.5% is suggested so that institute has no legal liability arising out of startup.

- Other factors for consideration should be space, infrastructure, mentorship support, seed funds, support for accounts, legal, patents etc.

- The institute would 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. Institute would extend this startup facility to alumni of the institute as well as outsiders.

- Participation in 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 atleast one startup.

- 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.

- Institutions might also need to update/change/revise performance evaluation policies for faculty and staff as stated above.

- Institute would ensure that at no stage any liability accrue to it because of any activity of any startup.

- Where a student/faculty startup policy is pre-existing in an institute, then the institute may consider modifying their policy in spirit of these guidelines.

8

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No. 3435

Date 31-10-2022

4. Norms for faculty startup

The following norms are created for better coordination of the entrepreneurial activities, to do startups. Only those technologies should be taken for faculty startups which originate from within the same institute.

- Faculty must clearly separate and distinguish on-going research at the institute from the work conducted at the startup/ company.
- Faculty must not accept gifts from the startup
- Faculty cannot include research staff or other staff of institute in activities at the startup and vice-versa.
- Human subject related research in startup should get clearance from ethics committee of the institution.

5. Collaboration, Co-creation, Business relation

- The institute's entrepreneurial agenda, stakeholder involvement is given top priority. Institutes would seek out suitable partners, such as resource organizations, micro, small, and medium-sized businesses, social enterprises, schools, alumni, professional bodies, and entrepreneurs, to help them encourage entrepreneurship and co-design programmes.
- The institute has created policies and standards for establishing and managing ties with external stakeholders, such as commercial businesses.
- Institutional policy would include knowledge exchange through cooperation and partnership, and institutes would provide support mechanisms and assistance for forming, managing, and coordinating these partnerships.
- The faculty, staff and students of the institutes would be given the opportunities to connect with their external environment through internships, research exchange programmes etc.

7. Creating Innovation Pipeline and Pathways for Entrepreneurs

- The institute has established an Institution's Innovation Councils (IICs) as per the guidelines of MHRD's Innovation Cell and allocated appropriate budget for its activities. IIC would guide the institution in conducting various activities related to innovation, startup and entrepreneurship development.
- 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 have been devised at institution level. The students and faculty would be made aware of the value of entrepreneurship by organizing industry academia interactions, webinars and seminars.
- The institute would link its 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

9

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No. 3435

Date 31-10-2022

- life entrepreneurs will help the students in understanding real challenges which may be faced by them while going through the innovation funnel and will increase the probability of success.
- For strengthening the innovation funnel of the institute, access to financing is opened for the potential entrepreneurs.
- Institute would develop a ready reckoner of Innovation Tool Kit, which must be kept on the homepage on institute's website to answer the doubts and queries of the innovators and enlisting the facilities available at the institute.

7. Organizational Capacity, Human Resources and Incentives

- GCR would hire people with a good sense of creativity and entrepreneurialism considering their industrial knowledge, behaviour, and attitude. This will aid in the creation of an I&E community.
- Faculty members with previous experience and involvement will be delegated for I&E training.
- In order to increase employee participation in entrepreneurial ventures, institutional policies on career growth would be developed.
- To get the most out of institutional resources and expertise, departments would work together and cross-departmental ties should be strengthened through shared faculty, cross-faculty teaching, and research.
- External subject matter experts, such as guest lecturers or graduates, will be brought in on a regular basis for strategic advice and to put in expertise that aren't available internally.

Courses on creativity, entrepreneurship management, and venture growth will be promoted for faculty and staff. To attract and retain the best employees, the institute will establish academic and non-academic rewards and reward mechanisms for all employees and stakeholders who actively contribute to and support the entrepreneurship agenda and activities.GCR will give award in the following categories:
Best Entrepreneur (excluding students)
Best Student Entrepreneur

8. Impact Assessment

- Entrepreneurial programmes such as pre-incubation, incubation, and entrepreneurship education will be evaluated on a regular basis using well-defined evaluation criteria.
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10

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- The monitoring and assessment of information sharing programmes, as well as the participation of all departments and faculty in entrepreneurial teaching and learning, will be evaluated.
- The number of startups developed, the support system given at the institutional level and participant satisfaction, as well as new business relationships established by the institutes, will all be registered and used to assess the effect.
- The impact of the institute's support system for student entrepreneurs, professors, and staff in terms of pre-incubation, incubation, and IPR security will also be assessed.
- Formulation of strategy and impact assessment would go hand in hand. The information on impact of the activities would be actively used while developing and reviewing the entrepreneurial strategy.
- Impact assessment for measuring the success would be in terms of sustainable social, financial and technological impact in the market.

9. Agreements

The following agreements are required to be signed by the companies to the extent applicable: 1. Incubation Agreement : Between GCR Pre-Incubation Unit(IU) and incubatee company for admission of the company in GCR Pre-Incubation Unit.

2. Equity agreement : Between GCR PIU, and incubatee company and its Promoters for GCR PIU equity holding in the incubate company.

3. Transfer of technology Agreement/ Technology License Agreement: Between GCR IU and incubatee company/licensee for transfer of technology from GCR PIU the favour of Licensee.

4. Usage of Labs : Between GCR labs and an incubatee company for usage of departmental resources of GCR by the incubatee company as per the prevailing policy.

Approval Committee

1) Dr. Harjas Kaur

2) Dr. Sukhjinder Kaur

3) Prof. Harjit Singh

4) Prof. Meena Kumari

5) Prof. Arvinder Kaur

6) Prof. Ajay Kumar

Jatish hu/s
Principal
Government College, ROPAR

11