

**Seth RL Saharia Government PG College,
Kaladera, Jaipur**



Criterion -3

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

The college has established an effective system for knowledge development, transfer, and innovation. The creation and transfer of knowledge include support and motivation for research and business by students. The college administration makes every effort to foster and advance the creative ideas of the instructors and students. For the purpose of assisting, observing, and overseeing the research and innovation activities, the college has established the Research, Innovation, and Incubation Cell. By nurturing their ideas and research interests, the SRLS innovation cell supports student start-ups as part of its Start Up Policy. The institution provides a platform for the development of technical skills, multidisciplinary projects, entrepreneurship, and ethical and human values through our state-of-the-art incubation centre, which works in coordination with Start-up India and the "Make in India" policy. Senior professors with extensive expertise who serve as a coordinator of research and entrepreneurial activities are available to help students.

The cell's objective is to foster a passion for research among undergraduate and graduate students. The cell is established in 2020-21. Despite the lack of well-developed research laboratories at the college, professors offer mentoring support to students. Students can gain experiential learning through campus flora, field trips, industrial visits, learning programs, and surveys. For students to engage in real scientific investigation and incubation, the college featured an entrepreneurship cell. Seminars on connected topics of intellectual property rights and research and academia are held by the Research, Innovation and Incubation unit. The main goal of this is to educate teachers and students about the value and significance of IPR and other related issues. Students have a great opportunity to showcase their ingenuity and develop their entrepreneurship abilities under the college's entrepreneurship cell. The college also assists in the company registration process by giving support after graduation. Along with career counselling, internal student mentoring led to some students starting their own businesses and trades. Through small research projects for themselves as well as assistance with the development and validation of business ideas, students are encouraged to grow as researchers and entrepreneurs.

Under the guidance of faculty from their own and other departments, students from various departments work under the incubation cell. Additionally, the college organizes national and international conferences that give students the chance to learn about the most recent advances in science.

The following cells subdivide their work for the Research Innovation and Incubation Cell:

(a) Research and Developmental Cell:

Aims and Objectives of R&D Cell

- To inculcate research culture among students.
- To encourage original and novel thinking.
- To provide an opportunity for expression of academic talent.
- To promote interaction among academia, R & D Institutes and Industries.

Projects are submitted in the form of live demonstration /models / posters and small research dissertations and are based on innovative ideas in categories like; Humanities, Languages, Life Sciences, Chemistry and Physics. Several small student projects are currently in progress in different departments:

S.no.	Name/Names of student	Mentor's name	Research Project/Dissertation	Department	Year/Batch
1.	Pushpa Atal and Alka Kumawat	Mahendra Kumar	Status, Ecology and Conservation of Avian Fauna of the College Campus, Kaladera, Jaipur	Zoology	B.Sc. III Yr
2.	Priyanshi	Dr. Shikha Patni	Physiochemical analysis of Silver Charged Water	Zoology	B.Sc. II Yr
3.	Ram Kishore Sharma	Dr. Renu Bala		Chemistry	B.Sc. III Yr
4.	Rahul Kumawat and Jai Prakash Yadav	Dr. Renu Bala	Chemical Analysis of Drinking Water of Kaladera	Chemistry	B.Sc. II Yr

b) Skill Development Programs:

Skill Development with an eye on employment is the need of the hour. The Objective of running skill development program is:

- To expand the earning capability of the marginalized sections of society, thus bringing them into the mainstream, by teaching vocational skills.
- To empower underprivileged students /adults by providing sustainable livelihood leading to economic independence.

Evidence of success:



One day workshop on Bonsai making by Dr. Jyoti Arun



Organic Farming training to students under Krishi Vandan

c) Entrepreneurship Cell:

The entrepreneurship cell was established with the basic objective to offer opportunities and exposure about self employment to the students.

Objectives:

1. To enhance the entrepreneurial skills.
2. To provide entrepreneurial knowledge
3. To provide a platform for inculcating entrepreneurial skills in students
4. To encourage students to get self employment

Evidence of success:

1. **Name of the Student:** Sonu Saini

Batch: UG;.....

Venture name: Kailash flower decorators

Brief Description of Venture: Although flowers are a simple accessory, floral arrangement never disappoints. And those bouquets are big business, with the floral industry generating billions in revenue every year. With plenty of opportunities to break into the market and earn a profit, one of our students started it as a business venture after gaining knowledge from our Krishi Vandan best practice.



2. **Name of the Student:** Nanchu Ram Saini, S/O Ram Lal Saini

Batch: UG, B.A. II Yr, 2021

Venture name: Vegetable Marketing

Brief Description of Venture: Online Vegetable marketing provides healthier food items that are fresher than the ones available on the streets. As Chomu is known for its vegetable production. With the help of the mentors, one of our students took this idea to online stores, focusing on organic vegetable production. Mentors helped him to improve his understanding and alignment with customer expectations.



3. Name of the Student: Khushi Singh

Batch: B.A. II Yr, 2021

Venture name: Vermi Composting

Brief Description of the Venture: Vermicomposting is a type of organic fertilizer. It is derived by composting organic waste by using several species of earthworms. Vermicomposting units have been set up by our student; Khushi Singh and of BA part II after taking training at the college. In addition to contributing to sustainable agriculture production and farmer income, vermicomposting has direct environmental and economic benefits.



4. Name of the Student: Rajesh Yadav, S/O Babu Lal Yadav

Batch: UG, B.A. II Yr, 2021

Venture name: Creative Earthen Diya making and selling

Brief Description of the Venture: The warm, bright glow emitted from a diya is considered auspicious, regarded to represent enlightenment, prosperity, knowledge and wisdom. Despite being a small business, it gives entrepreneurs creativity and self-confidence. A small unit is set up by Rajesh Yadav under the mentorship of Dr. Latika Jha, who works with a reputed NGO.



5. Name of the Student: Anushka Saharia

Batch: MA Prev., 2021

Venture name: Hand-made delicacies and Chocolates making

Brief Description of the Venture: A small business was started under the mentorship of Dr. Ananta Mathur.



6. **Name of the Student:** Kaniya

Batch: M.Sc., 2019

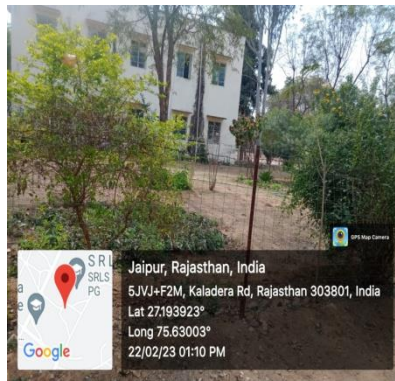
Venture name: Digital Designing and Smart Science Lab Instructor

Brief Description of the Venture: A small business for digital designing and as a Smart Science Lab Instructor.

d. Botanical Garden, Campus Diversity and Field Visits:

The college has good Botanical garden which is the open laboratory for students of life sciences. It is having diversity of plants belonging to the categories of Medicinal, Aromatic, Ornamental plants etc. The garden is utilized for the practical of Under Graduate classes. About 30 medicinal species are luxuriously growing in the Botanical garden number of ornamental plants are adding glory to the ambiance of the college. Shade giving trees are also present in the garden premises which are adding beauty to the campus and have formed good canopy which is very useful in the harsh summer days. Golden Bamboo is the centre of attraction for all students as it looks beautiful and is fast growing species. The botanical garden also have small experimental field for PG and research students. Along with this, the plant diversity of entire campus is also useful resource for the students having more than 100 plant species recorded in the premises. Secondly, most of the subjects use to conduct field visits / industrial visits on regular basis to understand the basics experience the actual work ethics of the related field and giving maximum exposure to students so that they can make out most out of it.





Evidence of success:



Field Visits of Students to Know Flora and Fauna

e. Out Side Campus Extension and Social Activities

SRLS has been at the forefront in sensitizing its students pertaining to social issues through its curriculum and extension activities. The innovation cell organizes education awareness programs in slums in the vicinity and gender equality awareness activities. Different departments undertake social outreach activities that are meant for helping society and train students to shoulder all responsibilities with ease and impact. the college under the innovation cell lead extension activities to address local issues and sensitize students for their holistic development. We aim to address issues such as domestic violence, child marriages, health care, HIV/AIDS, street children, runaway children, alcoholism, and drug abuse. In order to help society and local communities, the students and teachers have collaborated with other agencies through their departments.

Evidence of Success:



Catering the needs of Mentally Challenged Students at Varisth Nagrik Sadan, Jamdoli



Visit at Tantiyawas Orphanage



Social Outreach at Valmiki Seva Sansthan, Harijan basti, Jagatpura



Helping the disabled at Mahaveer Viklang Kendra , Jaipur



Healthy Living and Nasha Mukti Abhiyan By Dr. Manu Sharad Pathak