

Centre for Multidisciplinary Research, Innovation & Entrepreneurship (CMRIE)

Centre for Multidisciplinary Research, Innovation & Entrepreneurship is successfully running in the College to develop & execute research mindset, innovation & entrepreneurship amongst students. The centre targets to inculcate, enrich and nurture innovative, research, entrepreneurial environment & start-up culture in and around the college. It aspires to do so by creating an easily accessible and exhaustive set of resources for the young entrepreneurs (students) faculty, alumni and mentors. The mission is to encourage entrepreneurial endeavours by providing pre-incubation setup and transforming the same into a successful enterprise. The Centre aims for an overall growth and development of women and encourages them to start their own research or business enterprise. Centre specially promotes social entrepreneurship.

A funding of Rs 2.70 lakhs has been received in the year 2022-23 by the CMRIE through ICSSR. This has been utilised to create basic infrastructure of the Centre & in functioning of activities.

The following are some of the innovation, research & extension activities conducted under the CMRIE in this academic year-2022-23.

A. Institution Innovation Council. (IIC)

The Institution's Innovation Council (IIC) of Shaheed Rajguru College of Applied Sciences for Women, University of Delhi is the brainchild of the Ministry of Education innovation Cell (MIC), established to systematically foster the culture of innovation and start-ups amongst higher education institutes. The model deployed here integrates several calendar activities, reward system, operations, progress evaluation and incentive methodologies. The activities conducted in the year 2022-23 under IIC are as follows:

- 1) Prototype/Process Design and Development - Prototyping:
- 2) Visit to Mother Dairy Plant:
- 3) Alumni Talk:
- 4) Workshop on Creativity and Team Building
- 5) Workshop on Design Thinking, Critical Thinking and Innovation Design
- 6) Entrepreneurship skill, Behaviour and Attitude
- 7) Entrepreneurship and Innovation
- 8) My Motivational Story by a Successful Innovator
- 9) Seminar on Building Personal Narrative:
- 10) Expert Talk session on Process of Innovation Development, Technology Readiness Level (TRL); Commercialization of lab technologies & tech transfer:
- 11) Session on Achieving Problem-Solution Fit and Product-Market Fit:
- 12) ATL Lab Visit to East Point School:
- 13) Innovation and Entrepreneurship Outreach Program:
- 14) UDAAN'23- Annual Fest of The Institution's Innovation Council:

B. Entrepreneurship Development Cell (ED Cell)

i-hub works towards developing an entrepreneurial environment for young women, to promote skill development and training in order to embed the trait of self-dependency and out-of-the- box thinking. The members of i-hub take part in events and exercises that challenge their minds and push them towards developing an entrepreneurial mindset and inculcate business ideas and a tendency to take calculated risks that can result in a successful enterprise which fulfils the needs of society and consumers. The activities conducted in the year 2022-23 are :

- 1) Pro Sol Challenge:
- 2) Intellectual Property Rights Awareness Program
- 3) Webinar on initial steps towards a startup
- 4) Webinar on entrepreneurship development
- 5) Orientation
- 6) Founder series
- 7) Conquest

C. Enactus

Enactus Shaheed Rajguru is a student led society of Shaheed Rajguru College of Applied Sciences for Women. It encourages students to learn to tackle business situations and garner professionalism, hence contributing to the society by grooming the future leaders. Enactus brings together a diverse range of stakeholders and students to work on projects that empower and uplift underprivileged communities in a plethora of sustainable ways. Our ongoing projects include Project Pehchaan, Project Green Haven and Project Sugavya. We aim to uplift three different marginalised communities through these projects.

The activities of the year are :

- 1) Conducted a webinar on 'passion to the profession', a conversation between Sangeeta Kamra ji and Ramkali ji on May 22, 2022
- 2) Organised a stall on the occasion of Diwali to sell diyas made under project sugavya and various things under project kashida on October 16, 2022.
- 3) Had a stall set up in cultural fest Karvaan to sell nazim ji's cookies and jams as well as jute bags under project Kashida on March 28 & 29, 2023.
- 4) Arranged a stall in ajnara grand heritage in Noida to sell organic diyas.
- 5) Promoted Nazim Ji's hard work through a stall in the centenary garden.
- 6) Put up a stall endorsing all of our projects when the vice chancellor visited.
- 7) Helped Nazim ji to boost her brand and sell her goods in the flower show held in North Campus on March 2, 2023.

D. Research Activities :

Research is an integral part of College activities. The college is embedded with adequate and latest infrastructure and provides the necessary mentorship to form a base for multidisciplinary research, pre-incubation and entrepreneurship programmes. Various activities & projects have been organized in the College under CMRIE :

Research Papers Published---62

Books/Chapters in Book/

Publication in Conference Proceedings-----20

Patents-----1

Ongoing Research Projects-----2

Papers presented in conference---6

In-house internship of students---6 nos where 31 students participated

E. International Journal of Innovation and Multidisciplinary Research (IJIAMR)

College has launched a journal entitled International Journal of Innovation and Multidisciplinary Research (IJIAMR). It is an Open Access, Unpaid, International, Peer- Reviewed journal. The journal aims to foster original multidisciplinary communication and promote novel understanding of significant issues, research, review and short communication related to Biological Science, Economics and Management Studies, Environmental Studies, Indigenous knowledge, Society & Sustainable development, Information & Data Sciences, Language & Literature, Library information Sciences, Physical & Chemical Science, Social science, Arts & Humanities, Gender Studies. Original research articles, critical reviews, short communication and perspectives of high quality are published online. The activities of the year 2022-23 are as follow:

- Launch of
 - 1 International Journal of Innovation & Multidisciplinary Research” (IJIMR), vol 2, issue 1
 - 2 International Journal of Innovation & Multidisciplinary Research” (IJIMR), vol 2, issue 2
 - 3 International Journal of Innovation & Multidisciplinary Research” (IJIMR), vol 2, issue 3
- In Pipeline
 - 1 International Journal of Innovation & Multidisciplinary Research” (IJIMR), vol 3, issue 1
- Awarded the ISSN no for our Journal---ISSN 2583-4452
- Designed the website of Journal & CMRIE & launched it successfully on Oct, 10th 2022.

F. Extension Work: Mushroom Cultivation

Like every year, this year too, Enactus Shaheed Rajguru in collaboration with the Microbiology Department of Shaheed Rajguru College of Applied Science for Women has successfully conducted the mushroom cultivation program throughout the month of December 2022 which had more than 30 participants from varied backgrounds. Lectures were in hybrid mode and we had grown four types of mushrooms- white oyster mushroom, button mushroom, king oyster mushroom and cordyceps. These mushrooms were nurtured with care, using sustainable and environmentally friendly practices by our very resulting in a bountiful harvest. The program helped the participants to gain knowledge on mushroom farming, its benefits, and its fundamentals. They learned fun and astute techniques with exposure to set up entrepreneurial ventures and sustainable farming that generates the least amount of waste.

Highlights for this session included:

- Cultivation of various varieties of mushrooms with minimal usage of fertilisers
- Field experience with authentic knowledge
- Sustainable farming methods used and taught
- Helping to provide employment and a livelihood
- Affordable and empirical learning source

G. Technology Business Incubator (TBI)

College has been awarded the approval to have Technology Business Incubator (TBI) supported by the Micro, Small and Medium Enterprises (MSME)- DI, New Delhi (February, 2018). The Mission of incubator is to stimulate the establishment & growth of technology-based start-ups. The proposed TBI includes space, shared use of lab equipment, direct business assistance, mentoring, networking to capital & other technical resources. By fulfilling this mission, the TBI would contribute to job creation & generate revenue to run the incubator without support.

- Screening & Evaluation was done on 09 th December 2022 at SRCASW for shortlisting of Ideas received under MSME Idea Hackathon 2.0.
- Pre incubation for the start-up of Enactus (Bakery & Fruit Product Development)
- Pre incubation for the Mushroom Cultivation.

H. Other Important Activities of CMRIE

- Inauguration of Lecture Series “Gyan Shrankhala” with the session of honorable Vice-Chancellor Prof. Yogesh Singh who spoke on NEP system.
- Three college publications were released.