



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

Report of Initiatives

taken under the aegis of

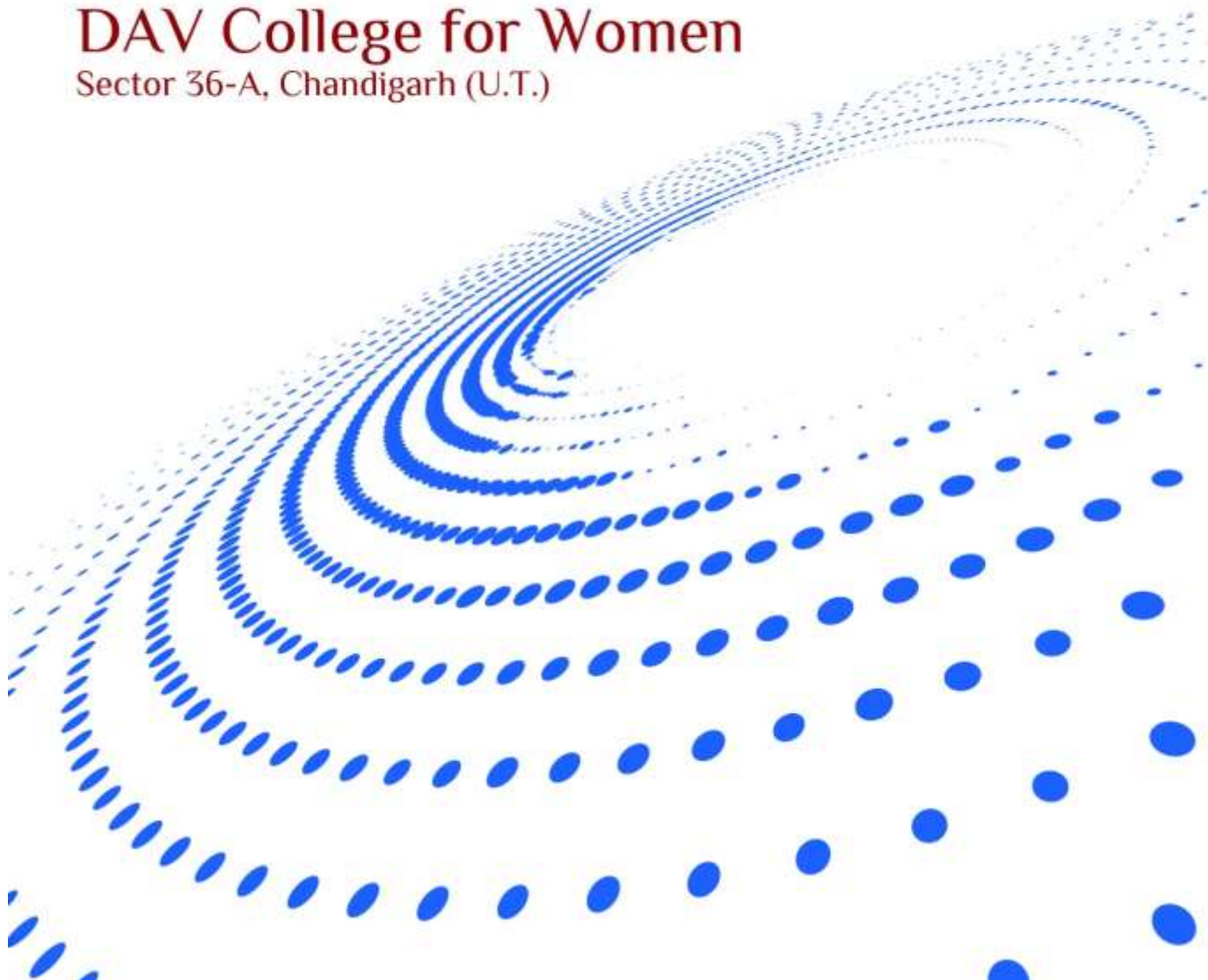
Institution's Innovation Council

(June 2019 to July 2020)

Mehr Chand Mahajan

DAV College for Women

Sector 36-A, Chandigarh (U.T.)

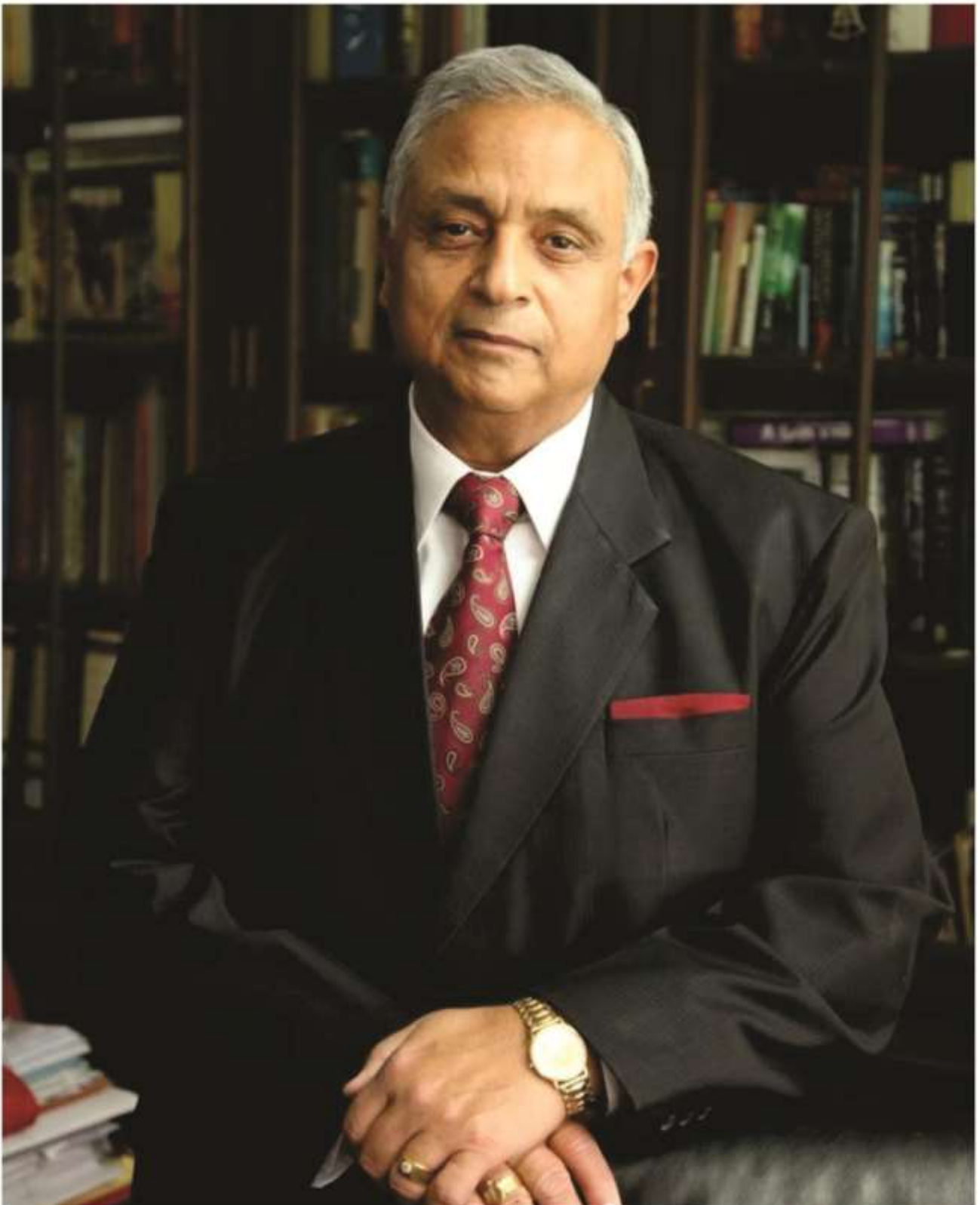


Our Beacon of Light



MAHARISHI SWAMI DAYANAND SARASWATI

Our Guide and Mentor



Dr. Punam Suri Ji, Padma Shree Awardee

Hon'ble President

DAV College Managing Committee

New Delhi



From the Principal's Desk

Heartfelt greetings!

Institution's Innovation Council (IIC) is an initiative of Ministry of Education's Innovation Cell (MIC) for fostering the culture of innovation amongst Higher Education Institutes. IIC@MCM was established in the year 2018 with the aim to encourage, inspire and nurture young students to work on new ideas. Students are familiarized with concepts which are capable of improving processes, bringing new and improved products and services to the market, increasing efficiency and improving a product's profitability. The main aim of IIC is to conduct various activities related to innovation, entrepreneurship, IPR and startups in collaboration with academicians, entrepreneurs, investors, professionals for creating a mentor pool for student innovators. In order to achieve this aim, IIC holds motivational sessions, workshops to familiarize our students with the concept of ideation, innovation, start-ups and entrepreneurship. IIC members regularly organize and attend sessions on Business Model Canvas (BMC), Business Plans and

Funding to make them familiar with the know how to pitch new ideas and get funding.

I congratulate the whole Council for organizing sessions which are in sync with the philosophy of MIC. Such interactive sessions channelize the energy of young students and motivate them to work on new ideas, create start-ups and entrepreneurial ventures resulting in self-employment. IIC@MCM is always there to nurture innovative ideas of students and faculty. The IIC of our College also received four star rating for its activities undertaken during the year 2019-20 which speaks volumes about the commitment and dedication of its members.

Innovation and enterprise remain at the core of all our academic endeavours and this has been possible with the constant guidance of our mentors. My gratitude to our mentors from the DAV Managing Committee who inspire us to remain innovative in the face of challenges. My heartfelt gratitude to Dr. Punam Suri ji, Padma Shree Awardee, Hon'ble President, DAV College Managing Committee, New Delhi for inspiring us to remain creative in our ideas and innovative in our actions. I am also beholden to Shri H.R. Gandhar ji, Senior Governing Body member of the College and Vice President DAVCMC who encourages us to remain ingenious as we face new challenges with the changing times. I would also like to thank Shri Shiv Raman Gaur ji, Director Higher Education, DAVCMC for supporting us as we continue to direct our actions towards adapting to the new domains. I am also grateful to Dr. Indu Arora under whose able stewardship the Council is working to achieve the goals. My greetings to the team members of IIC who have contributed towards successful implementation of the vision of the Council.

Let us continue to innovate, adapt and excel to remain competitive and resilient in the face of new challenges!



Dr. Nisha Bhargava

[Principal]

Institute's Innovation Council: Inspiring Ideas to Innovate and Change

The Ministry of Education with the vision of creating and promoting the culture of innovation amongst institutions of higher education has founded the MoE's Innovation Cell (MIC). As the Convener of Institute's Innovation Council (IIC), it has been my pleasure to witness the growth of IIC@MCM. IIC has made all efforts to enhance the culture of innovation and entrepreneurship by organizing various activities like Motivational Journey of Innovators and Entrepreneurs. The Institute's Innovation Cell (IIC) is actively instrumental in providing opportunities to students and faculty to innovate and ideate through competitions like Idea Competition and Internal Software Hackathons.



True to the spirit of MIC, the primary goal of IIC has been to empower minds that can be useful to the society. The opportunities provided by MIC have been extremely enriching in enabling the students and faculty to ensure organic growth in terms of innovation.

I am indebted to Madam Principal, Dr. Nisha Bhargava, for her continuous encouragement and support. In addition, I express my sincere appreciation to all the faculty members and students associated with the council who have made this journey memorable and fruitful with their hard work.

I hope that we can continue to inspire this zeal to innovate for the betterment of our society.

Dr. Indu Arora
Convener
IIC@MCM

Report of activities by IIC

August 2019 - December 2020

Mehr Chand Mahajan DAV College for Women is privileged to be amongst the 1600 institutions selected to foster the culture of innovation by harnessing innovative ideas. The inventive efforts have been recognized by the MoE as the college's IIC committee was given a 4-star rating for the year 2019-20.



In sync with the action plan of MIC, to create an ecosystem for innovation, entrepreneurship, start-ups and IPR, following activities were organized by IIC@MCM in the session 2019-2020.

Leadership Talk Series-“Innovation for Resurgent India”

Mehr Chand Mahajan DAV College, Chandigarh participated in the India first leadership talk series on **22nd August, 2019**. The theme of the talk was “Innovation for Resurgent India”. It was delivered online by Honourable Minister of HRD Dr. Ramesh Pokhriyal ‘Nishank’. College Venue for attending this talk was Lab 1 of Department of Computer Science and Applications. 76 students and 12 faculty members attended this talk.

Dr. Ramesh Pokhriyal ‘Nishank’ addressed the questions of students on different areas including education policy, innovation and start-ups, career development, employability, digitization of education and how students and educational institutes can contribute towards the national mission. He focused on the importance of education in a person’s life and mentioned about the reformations that have been implemented or are yet to be made in the education system of India.

He focused that the new education policy of India is based on moral virtues, behaviour, vocational education, science and research. He spoke about the importance of Sanskrit in the field of science and education and cited various ancient Indian scientists. He pointed out that different programmes like Make in India, Digital India, Skilled India and Pradhan Mantri Mudra Yojana are focusing on employability and overall development of the nation.

On the aspect of affordability of education to the students, he justified that free education is given to children up to 14 years of age and there is also availability of scholarships to the students. He revealed that the budget kept for education has also been increased to 125000 crore rupees. He further added that the students can contribute towards national missions like Swachh Bharat Abhiyan by saving at least 1 liter water per day, stopping littering and by planting at least one tree on their birthday.

He also shared his life experiences and focused on the value of hard work, team work and

determination in one's life. He also explained that one should not get demotivated by failures as failures still give knowledge and a person who has at least tried will always be ahead of those who have never tried. Difficulties give success and positivity is required to be successful in your life. All you need is the power to change your vision to your mission.



Intellectual Property Rights Awareness Program for Women Institutes

The IIC organized “Intellectual Property Rights Awareness Program for Women Institutes” under the aegis of Indian Chamber of Commerce (ICC) and Indian Patent Office (IPO) on **11th September 2019**.

In his welcome remarks, Inderdeep Singh, Chairman of ICC Northern Region Council, stressed that the consolidated growth can happen in the field of Science, Technology and Innovation if there is suitable awareness of IP rights. Dr. Nisha Bhargava, Principal of the College addressed the gathering discussing about the contribution of college in fields of innovation, and the need to patent these advances. Dr. Bhargava further shed light on the activities organized by Institution’s Innovation Council. Dr. Manoj Kumar Singh, Examiner of Patents and Designs, IPO Delhi explained the legal requirements and filing procedures for patent protection in India. Debmalya Banerjee, Regional Director of Indian Chamber of Commerce, offered his gratefulness to the institute for its commitment to enlighten the young minds and boosting their dreams into realities.

The event was divided in four technical sessions where different experts propounded how women in developing countries can patent products and processes, eventually leading to the exponential rise in the country’s GDP growth. Ms. Isha Gandhi, Advocate of RK Dewan & Co., introduced the various forms of IP including trademarks, patents, copyrights, designs and geographical indications.

In the second technical session, Dr. Gurmeet Kaur Nanda, Principal Associate- Patents of Khurana & Khurana Advocates & IP Attorneys, elaborated the process of IP and informed the students about the registration procedure. Ms. Twinky Rampal, Partner of Anand & Anand, gave the overview of IP rights in India. To make it easier for the students, she used various case studies to build on her arguments and to clarify the doubts of the students. In the last session, Dr. Nanda concentrated on the imperativeness of academia in disseminating the awareness of IP rights.

All the sessions were followed by the Q&A rounds where students were allowed to clarify

their doubts and queries. The program concluded with a vote of thanks and lunch. It was an enlightening experience for everyone as they were made aware about the IP rights and to evade their infringement. Leveraging IPR in educational institutes can further help students and faculty to develop technologies and commercialize them. Use of patent in academic research can help in tapping innovative techniques for commercial products.



‘My Story-Entrepreneur’s Life and Crossroads’

IIC, in collaboration with the Department of Computer Applications organised a motivational talk on ‘My Story-Entrepreneur’s Life and Crossroads’ on **26th September 2019**. The aim was to encourage students to follow the path of entrepreneurship. Mrs. Akashdeep Kaur Sharma, Director, Aether Software Solutions Pvt Ltd, Consultant Tech Mahindra and Mr. Pankaj Sharma, Director, Aether Software Solutions Pvt. Ltd., Founder at Phylo, enlightened students with their journeys and experiences as entrepreneurs.

Mr. Pankaj Sharma took the students through his academic journey right up to his first sales job. He shared his experience, emphasising on the fact that everything is a repercussion of our decisions and it is in our hands to change our future.

Mrs. Akashdeep Kaur, who handles marketing for the company shared her inspiring journey of being a door to door sales person selling furnaces to even cleaning toilets in Canada. She emphasized the luxury and freedom that comes with being your own boss and also the responsibility. She mentioned the efforts of the government to encourage women entrepreneurs but warned that even with support the journey towards your goals is never easy. We need to make a plan for our future and then stick to it.

They both emphasised on planning ahead and setting goals for your future. Learning for both was the essential aspect of growth. They advised on learning outside the classroom, with the industry and to re-skill yourself constantly to grow personally and professionally. You have to take the first step and make things work in your favour.

The students enthusiastically took part in this talk and even had an informative interaction with the guests about the future of IT industry and opportunities in marketing sector, at the end of the session.



“My Story- Innovator’s Life and Crossroad”

Department of Food Science and Zoology, MCM-DAV College, Sector 36 in collaboration with AMI Unit organized a motivational talk on “My Story- Innovator’s Life and Crossroad” under the aegis of MoE’s Innovation Cell on **28th September** in Multimedia Hall.

The event aimed to contribute significantly towards the development of microbiology particularly in areas of research and academia. 150 students and 7 faculty members attended the event.

During the event, Dr. Naveen Gupta from Department of Microbiology, Panjab University enlightened the students and faculty about his rich experience from involvement in various research projects, thereby sparking curiosity among everyone present in the audience. Dr. Gupta debunked various myths in the field of academics, encouraging the students to be innovative and focus on research in field of Microbiology. Using personal anecdotes, he emphasized that there is need to refocus on innovation as a mean to contribute to the society instead of merely focusing on research for career progression. He argues that a sincere researcher does not require advanced technological equipment but the conviction to devote oneself earnestly to one’s subject. Highlighting that there is no shortcut to hard work, he elucidated that it is important to have comprehensive knowledge of microbiology to advance one’s interest in the subject.

Talking about his development of microbial technology for use of treated sewage water to manage Sukhna Lake in Chandigarh, he attracted audience’s attention towards the significance of interdisciplinary research. The students and faculty showed keen interest in words of Dr. Gupta and enriched their knowledge from his earnest research and learning experience.



Innovation Day Celebration

MOE's Innovation Cell celebrated Innovation Day in the month of October to mark the birth anniversary of a great visionary and a dreamer of Innovative India, Dr A.P.J. Abdul Kalam. Our Institution's Innovation Council, under the aegis of MOE's Innovation Cell joined this campaign and organized a Poster Presentation on 'Grassroot level innovations' on **5th October, 2019** for the students.

Students from all the streams participated enthusiastically in the event. The best posters were displayed in the campus. All the students presented their posters to the audience and explained their creations. Dr. Nisha Bhargava, Principal, Mehr Chand Mahajan DAV College for Women appreciated the efforts of the students and encouraged them to implement new ideas as well.



NEAT Logo Design Contest

MOE had conceptualized a National Education Alliance for Technologies (NEAT) as a Scheme for using technology to make learning more personalized and customized. To give a visual identity to the Scheme, MOE invited entries for a competition on NEAT logo design, which may convey the purpose of NEAT.

Theme for the competition was “Quality Education, Technology, Alliance, Adaptive learning or Artificial Intelligence”. Our College participated in this contest and organized a competition to invite entries from its students through e-mail. 7 entries were received and best 5 entries were selected on **26th October 2019** to be uploaded on the IIC portal for participation in the competition at the national level.



Field/Exposure Visit

Institution Innovation Council in collaboration with Department of Computer Science and Applications organized a Field/Exposure Visit to Sebiz Square and NetSmartz, SAS Nagar, Mohali on **20th November 2019**.

The main aim of this visit was to allow students to interact with people of IT companies and start-ups and learn from their experiences. The total number of students who participated in this visit was 30 and number of faculty members was 3. Mr. Sanjay, Community Manager, SIB and SACC, interacted with students and led them to the different workplace environments currently existing in the start-up companies like individual workstations and team cabins.

Students visited the company premises and also interacted with their employees. They were exposed to the work culture in IT companies and various facilities provided. Mr. Chetan Sharma, Founder, Alliance E-Commerce, mentioned students about the pre-requisite training programmes to enter in to the IT world, how they can hone their skills and what they should focus more on according to their professional interests. He answered to different queries of students and answered them to his best possible level. He also mentioned students about various career opportunities after BCA.

In a seminar by Mr. Vishal, Team Lead, Sebiz Square Finishing School, students were elaborated on the concept of “Digital Marketing”. He focused on several topics including the Search Engine Optimization, Google ads, Remarketing, Content Marketing, Social Media Marketing, Influence Marketing, Email and Mobile Marketing. He also encouraged the students to take up free lancing projects through Internet and how they can get experience as well as earn money through online assignments and marketing. The lecture was very exhaustive and students got awareness about diverse opportunities available in this field. In nutshell, through this visit, students were exposed to the start-up culture and were encouraged to generate and execute their own ideas.



Series of Comprehensive Workshops

In order to facilitate and mobilize students towards planning their own start-ups and to enhance their entrepreneurial skills, the Start-up Cell in collaboration with Institution Innovation Council organized a series of comprehensive workshops spanning from **5-14 November 2019**.

Resource persons from different arenas shed light on the diverse areas pertaining to entrepreneurship including idea assessment, social demographics, technology, consumer psychology, working capital management, different aspects of marketing, and economic and political regulation.

Iqbal Singh, Managing Director IFM discussed about different aspects and types of entrepreneurship. In another session, he enlightened the students about Ideation process, the importance of team work and checking the viability of their business ideas. In his third session, he engaged the students by discussing with them valuation of ideas, levels of investment and investment venture capital.

In continuation with the theme of the workshop, Mr. Kulwinder made the participants cognizant of market segmentation and behavioral segmentation. Various learned resource persons including Mr. Maninder, Mr. AmanMaan and Geeta Gulati Maan talked



about the various dimensions, aspects and strategies of entrepreneurship. They enlightened the students about myriad aspects of digital marketing; personality traits and behavioral traits; and different types of intellectual property rights like trademark and copyright. This highly informative as well as interesting workshop elicited favorable response from the participants who felt motivated to put the ideas into practice to enhance their career prospects.

Lecture on “Social Entrepreneurship”

The Post Graduate Department of Sociology in collaboration with the Institution Innovation Council (IIC) under the aegis of MOE’s Innovation Cell (MIC), organized a lecture on “Social Entrepreneurship” on **26th November, 2019**. Professor Rajesh Gill from the Department of Sociology, Panjab University delivered this lecture which was attended by 57 students and 76 faculty members.

The session was very enriching as she gave real life examples based on her research in rural area and was stressing on the importance of being gender sensitive and that we need to be the change agents if we want to see a change in the society. So, the need of the hour is to merge social work with entrepreneurship.



Student participation in Internship Programmes during Semester Break

During the semester break (December-January 2019), students were encouraged to pursue their internships to enhance their developmental skills. 12 students from the college of different streams including BA, B.Com, BBA, BCA and B.Sc. joined and completed their internship programmes during this period.

Students pursued their trainings in diverse areas related to Data Analytics, Cyber Security, Content Writing, Apache OpenOffice, Infant Food Nutrition, Radio, Adobe Photoshop, Administration and Management and Accounting. These programmes helped them bridge the gap between their academic knowledge and industry expectations.



Participation in IIC Innovation Ambassador Training

Four faculty members were nominated by the Principal for attending IIC innovation Ambassador Training series organized at LPU, Jalandhar under the aegis of MOE's Innovation Cell on 16th and 17th January, 2020. The following faculty members underwent the training modules as listed below -

Dr. Indu Arora	Entrepreneur Development Program
Dr. Neetu	Pre-Incubation and Incubation Management
Ms. Disha Sharma	IPR and Technology Transfer
Dr. Purnima Bhandari	Design Thinking and Innovation

The poster is for an online lecture series organized by the Institution's Innovation Council (IIC) under the aegis of MHRD. It is held at Mehr Chand Mahajan DAV College for Women, Sector 36-A, Chandigarh. The series is titled 'Online Lecture Series by Innovation Ambassadors' and aims to promote innovation and entrepreneurship among youth. The topics and speakers are: Design Thinking and Innovations by Dr. Purnima Bhandari; Pre-Incubation and Incubation Management by Dr. Neetu; Entrepreneurship Development by Dr. Indu Arora; and IPR & Technology Transfer by Mrs. Disha Sharma. The event is on 22nd July, 2020, from 10:30 am to 1:30 pm. The registration link is <https://forms.gle/dTpqZboXh4rmvSYM9>. The poster also lists Mrs. Kamini Tayal as Vice President, IIC, and Dr. Nisha Bhargava as Principal & President, IIC. A note at the bottom states that the meeting link will be sent via email to all registered participants.

All above mentioned faculty members became Innovation Ambassadors of MIC after attending IIC innovation Ambassador Training series organized at LPU, Jalandhar under the aegis of MHRD's innovation Cell on 16th and 17th January, 2020. After becoming Innovation Ambassadors, they organized Innovation Ambassadors Lecture Series on 22nd July 2020 for internal college students and on 23rd and 25th July for external faculty and students. They delivered lectures on EDP, Incubation, IPR and Ideation.

Mehr Chand Mahajan DAV College for Women
Sector 36-A, Chandigarh

INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD)

Institution's Innovation Council (IIC)

Under the aegis of MHRD
Organizes
Online Lecture Series
by
Innovation Ambassadors
To promote innovation and entrepreneurship among youth

Schedule

24th July, 2020

Session-I (11:00 am to 12:00 pm)
Design Thinking and Innovations - Dr. Purnima Bhandari

Session-II (12:00 pm to 01:00 pm)
Pre-Incubation and Incubation Management - Dr. Neetu

25th July, 2020

Session-I (11:00 am to 12:00 pm)
Entrepreneurship Development - Dr. Indu Arora

Session-II (12:00 pm to 01:00 pm)
IPR & Technology Transfer - Mrs. Disha Sharma

Registration Link -
<https://docs.google.com/forms/d/1L2iqXE8dHUxjcs2kSdyeTyRvMILOUCM.c4ELwV2gk>

Mrs. Kamini Toyal
Vice President, IIC

Dr. Nisha Bhargava
Principal & President, IIC

Meeting link will be sent through email to all registered participants

Internal Smart India Hackathon 2020

An Internal Smart India Hackathon 2020 was organized on 20th January 2020. The participants presented software solutions for the problems assigned. Three teams were shortlisted for idea submission for Smart India Hackathon 2020.



Workshop on ‘Business Model Canvas’ on 10th February 2020

A workshop on ‘Business Model Canvas’ was organized on **10th February 2020** to promote the culture of entrepreneurship in the students. The resource person for the workshop was Ms. Purna Kalra, Founder, Open Hand Solutions. The session was attended by 82 students and 04 teachers.



Business Plan Competition

‘Business Plan Competition’ was organized on **12th February 2020**. A total of 71 students, organized into 16 groups, participated in the competition. First and second prize were awarded to two groups who prepared the best business proposals. It provided a wonderful opportunity for students to ideate and innovate in a unique way under required guidance. The zeal, enthusiasm, and participation of the students made the activity a success.



Science Fest

With the aim of introducing young minds to the wonders of science and promoting scientific temper, the college organized its Science Fest on **17th February 2020** to mark the celebration of Science Day.

The event was an interesting amalgam of exciting competitions and knowledgeable lectures. It provided a platform to budding scientists to showcase their ideas and talent along with celebration of the illustrious contributions of great scientists. Approximately



240 students from different educational institutions participated in the event.

Idea Competition

An “Idea Competition” was organized on **6th March 2020** to provide students a platform to use their creativity to develop social and technological innovations, cost-effective and practical solutions for addressing the everyday problems. 38 teams participated in the competition and their ideas ranged from the field of waste management, technological innovation, agriculture, sustainable development, healthcare to biomedical devices.

The competition had two rounds- the pre-screening round and the final round. 10 teams were shortlisted from the pre-screening round for the final round by the pre-screening committee. The final round of the competition was judged by Dr. Gurmeet Kaur Nanda, Principal Associate (Patents), IIPRD and Khurana & Khurana Advocates and IP Attorneys, and Dr. Yogesh Nagpal, Co-founder and Head of Operations - Winsome IP.

The first prize was awarded to Ms. Aditi Bhagat of BSc MFT III for her presentation on “Mycofoam Packaging- an alternative to Styrofoam Packaging”. Ms. Peeyushi Grewal of BA III bagged second prize for her presentation on “Running Electronically powered Vehicles with Super Capacitors” while third prize winner was conferred on Ms. Deepakshi Rawal and Manpreet Kaur from BCA I on their innovative method for “Waste Management”.

Awardees of Idea Competition were continually guided and mentored By Dr. Neetu to participate in next level of competition i.e. Proof of Concept (POC) submission. The submitted POCs were evaluated by an external IPR expert Dr. Gurmeet Nanda and were uploaded on MIC portal. The students were motivated to participate in Prototype Submission Competition.



Field/Industrial visit - Bonn Nutrients Private Limited

Department of Food Science in collaboration with IIC organized a field/industrial visit to Bonn Nutrients Private Limited, S.S. Food Industries, Ludhiana on **12th March 2020**.

Students were provided with real life training and exposure to manufacturing and processing and Quality control section. They were sensitized and apprised of the practical challenges faced, troubleshooting done, regulations and GMP Practices followed, documentation and data recording required.

It also enabled the students to acquire knowledge about significance of bakery products, the manufacturing procedures adopted and the latest and best modern technologies used in plants.



Online session of Institution's Innovation Council

An online session of Institution's Innovation Council was attended by the faculty and students on **28th April 2020**. The session was chaired by Mr. Dipan Sahu, Assistant Innovation Director.



It was a highly motivational talk and the faculty and student community received a vivid insight of NISP. The detailed discussion helped them understand the opportunity of entrepreneurship and start-ups. Another online session by the

Institution's Innovation Council was attended by the faculty and students on **29th April 2020**. It was chaired by Shri Muthu Singaram, CEO, IIT Madras HTIC Incubator.

The session was helpful for the institution as it gave all the relevant information to set up an incubator within the premises of the institution. Also, the students were benefitted by understanding how the use of incubation facility can help bring their innovative ideas to life and how they can stay



connected with their institution even as Alumni by contributing to the Incubation facility. The college participated in the session chaired by Ms. Vandana R. Thakur, Canada India Acceleration Program 2020 and Mr. Amit Sanjay Lokhande, India-South Korea Start Up Exchange Program 2020 on **30th April 2020**.

It was helpful and motivating as it provided an insider's viewpoint on the nuances of innovation and entrepreneurship. With immensely beneficial insights about various aspects of innovation and entrepreneurship, this session helped the students in bracing themselves for their own entrepreneurial journey.



Session on “Post COVID opportunities for Health Sector start-ups”

3 faculty members and 64 students of B.Sc. Medical and B.Sc. MFT attended an informative discussion session on “Post COVID opportunities for Health Sector start-ups” by Dr. Nirmaljeet Singh Kalsi, IAS (Retd.), Former additional Chief Secretary, Punjab and Dr. Varinder Garg, MBBS, MD (Radiology), Principal Investigator CIBioD, PGIMER on 06.06.2020.

Speakers highlighted the global impact of corona virus and showed statistical data of daily new cases and daily deaths in all the affected countries. It gave the audience an opportunity to find and explore the relevant opportunities in the post COVID era. The discussion was extremely enlightening and helpful.

Leadership Talks by MOE, AICTE and IIC in the April and May 2020



Leadership talks were organised by MOE, AICTE and MIC in the month of April and May 2020 on the Twitter live platform. Dr Abhay Jere, Chief Innovation Officer, MOE's Innovation Cell coordinated these talks.

1. **7thApril** -The first talk was by Mr. Abhishek Suryawanshi, Director, Wikipedia where students and teachers were exposed to one of the most valuable and free online educational resource, 'Wikipedia'.
2. **8thApril**-Prof K Vijay Raghavan, PSA, GOI, conducted the talk and highlighted the positive steps taken timely by Govt. to control the spread of COVID19.
3. **9th April** -Prof Anil D. Sahasrbudhe, Chairman, AICTE motivated the students and teachers to upskill themselves using on line learning tools during the lock-down period.
4. **10th April**-Prof. Partha Chakraborty, head, NDL India explained about NDL which provides single integrated platform for all important sites like SWAYAM, NPTEL etc.

5. **11th April**-Mr. Abhishek Singh, CEO, MyGov; CEO NeGD; Ministry of Electronics & IT, Govt of India conducted the talk and mentioned about my Gov as a reliable platform for COVID19 information.
6. **13th April**- Padma BhushanDr. VK Saraswat, Member NITI Aayog& Ex-Chief Scientific Advisor, Defence Ministry spoke about the role played by NITI Aayog in controlling the COVID19 pandemic.
7. **14th April**- Dr. Anand Deshpande, Chairman of Persistent Systems interacted and emphasized on the opportunities that the youngsters and start-ups can avail in the post-COVID world.
8. **15th April**- Ms. Shradha Sharma, Founder and CEO, YourStory.com talked about her journey as an entrepreneur from failure to success and the way her Start-Up 'YourStory.com' has progressed in 12 years.
9. **16th April**- In his talk by Dr. Vinay Saharabuddhe, president ICCR, GOI discussed the development of a platform to help seekers and volunteers suffering from current situation was discussed which would involve arrangements of money and essentials and counselling to the people.
- 10.**17th April**- Mr. Ronnie Screwvala, Chairman UpGrad talked about the importance of on-line teaching in the present time and how this period can be used for upskilling of existing workforce and change the entire system.
- 11.18th April**-Prof. KK Aggarwal, Chairman National Board of Accreditation-NBA spoke about the need of accreditation for technical programs in India.
- 12.**20th April**- Mr. Yashraj Bharadwaj, Co-founder of Zenith Vipers, Ensure Equity Partners & Y2 Bros spoke about his life with his real-life examples and incidents which gave audience insights into his inspiring journey.
- 13.**21st April**- 'Desh' Deshpande, USA, Investor and Entrepreneur interacted primarily focused on start-ups and encouraged the audience by his motivating words.

14. **22nd April**- Padma Shri Vaidya Rajesh Kotecha, Secretary Ministry of AYUSH- Govt of India interacted and enlightened about the organizational structure and function of AYUSH.
15. **23rd April**- Mr. Gautam Bambawale, Ex - India's Ambassador to China explained how COVID19 has provided opportunities to India especially in politics, economics and soft issues including education, terrorism etc.
16. **26th April**- Ms. Jyoti Rana of India forum enlightened the audience about efforts taken by MOE with regards to the digitalization of education.
17. **27th April**- Dr. BVR Mohan Reddy, Chairman Cyient, Chairman IIT-Hyderabad & Ex-Chairman NASSCOM interacted and explained how the lock-down time will impact the economy, start-ups, industries, and small to medium enterprises and what steps these sectors should take to ensure stable growth.
18. **28th April**-Ms. Anu Acharya, Founder and CEO of Mapmygenome, interacted and talked about India's readiness for COVID19 and personalized genome technology.
19. **2nd May**-Lieutenant General Dr. Madhuri Kanitkar, motivated the younger generation to achieve anything with their strong will power. Through her own experiences, she motivated young generations to follow adventurous routes, chart own journeys and protect women.
20. **9th May**-Prof. D P Gupta, Chairperson University Grant Commission. The focus of the talk between Prof. DP Gupta and Dr. Abhay Jere was on apprising the stakeholders about the guidelines regarding new means and methods of education system during the extraordinary conditions of lockdown due to COVID 19.
21. **16th May**-Dr. Pramod Chaudhari, Founder & Chairman, Praj Industries Ltd, emphasized that if any company or person is ready for such a start-up he should focus on providing Bio-Crude to the refineries instead of bio-mass which would be a great help to the refineries. All Indians should take this seriously and increase their awareness and Knowledge on the same to develop Bio-Technology for the betterment of the society and Job opportunities for the people.

22. **23rd May**-Shri Mahesh Babu, CEO Mahindra electric mobility ltd. Apprised the listeners that manufacturing and production has been the most effected by covid-19 crises. He emphasized that the opportunities are available for younger start-ups is in cost effective delivery and basic science with the use of technology in many start-ups.
23. **30th May**-Dr. Nilesh Oak, Specialist, Indian History and Civilization, shared his experiences of unravelling the mysteries of Indian history. These experiences of discerning Indian history were very beautifully elaborated. The role of grand narrative of Indian history in today's scenario was also discussed. Further, the importance of history in the development of other disciplines like astronomy, science, philosophy, medicine, etc. was shared in the talk.
24. **6th June**- Ms. Ashwini Deshpande Co-Founder and Director, Elephant Design discussed the power of design. She explained what is a good design and the scope of good designing in doing projects in better and efficient way.
25. **13th June**-Sh. R Subrahmanyam, Secretary, Ministry of Social Justice and Empowerment inspired the youth can make a change to improve society. Youth were inspired to look around and do something about misery of others, strengthen the weakest link in society to initiate growth of country, address issues of poorest for overall growth and start social innovation by social enterprise.
26. **20th June**- Shri Shridhar Venkat, CEO Akshaya Patra Foundation explained the conception and implementation of Akshaya Patra Foundation to provide nutritious and healthy food to children. He also explained how the quality and nutritious value of food prepared is maintained using sensors, Blockchain, IoT etc and implementation of innovative technology in Food technology.

MOE's Innovation Cell - Online Sessions

OnLine Sessions were organised by MOE's Innovation Cell (MIC) in the month of April and May 2020 through YouTube Streaming to enhance the understanding of Ideation, IPR, Innovation, entrepreneurship, Business plans, Market analysis and Funding opportunities. IIC faculty members attended and got e-certificate for attending the same.

1. **National Innovation and Start-up Policy for Students and Faculty 2019 - A Guiding Framework for HEIs for Implementation (28th April)**, by Mr. Dipan Sahu, National Coordinator - NISP, IIC & ARIIA, MBA/PGDM in IEV Program MOE's Innovation Cell, AICTE. He discussed about Strategies and governance for promoting entrepreneurship, Norms for students and faculty driven start-ups, Incubation and pre-incubation support, Incentives & rewards for students and faculty pursuing innovation and start-ups and IP ownership and equity/ revenue sharing mechanisms.
2. **Role and Importance of Pre-Incubators, Incubators and Accelerators in HEIs - Harnessing Innovation and Entrepreneurial Potential of Students and Faculties at Early Stage (29th April)**. Mr. Muthu Singaram, CEO, IIT Madras, Chennai discussed the importance of an incubator in an institution, the services, Staff and funding for the incubator and Mentoring and networking required.
3. **Hangout with Emerging Innovator & Entrepreneurs Supported through MIC & AICTE (30th April)**. Ms. Vandana Thakur Female Innovator cum Entrepreneur, Canada India Acceleration Program 2020 L M College of Pharmacy, Ahmedabad discussed the things to look forward as an Innovator cum Entrepreneur and Lessons Learned, Opportunities and Achievements
4. **Role of Network Enablers in driving I&E in HEIs - A Case of TiE, India(1st May)**. Ms. Geetika Dayal Executive Director, TiE Delhi- NCR discussed about TiE and its Services and Collaboration Opportunities with HEIs to Drive I&E Ecosystem.
5. **Hangout with Successful Start-up Founder- Product design & Engineering for developing a Product, a Start-up's perspective (4th May)**. Dr. Pankaj Parashar MBBS,

PhD (Biomedical Engineering) IIT Delhi Royal Academy of Engineering London – LIF fellow shared his journey and product development of Scintiglo a medical device for patients suffering from diseases like hypertension, diabetes, whose first proof of concept was made on January 2013 and till date it has only improved not only in giving a better service but also in design and now the 7th version is available in the market.

6. **Entrepreneurship, Business Idea and Business Model Canvas (5th May).** Dr. Sunil Shukla (Director General, EDII, Ahmedabad), Dr. Amit Dwivedi (Associate Senior Faculty, EDII, Ahmedabad), and Mr. Mayank Patel (CEO, Cradle, Incubator, EDII, Ahmedabad) emphasized on the need and significance of different business models within the norms of social distancing resulting from the current Pandemic situation.
7. **How to Identify Right Problem and Solution using the Double Diamond Approach in Design (6th May).** Prajakta Kulkarni Founder, Director, Nodes Pvt. Ltd., Pune & Sanket Inamdar explained understanding of Double Diamond Process in design thinking.
8. **Intellectual Property (IP) Management at Early Stage of Innovation and Start-ups (7th May).** Dr Sanjeeva Kumar Majumdar, Manager-IPR, Start-up & Incubation, National Research Development Corporation, New Delhi, provided several insights about the concept of IP application and its importance during the early stages of innovation and start-ups.
9. **Understanding Angel and Venture Capital Funding - What is there for Early Stage Innovators & Entrepreneurs (8th May).** Mr. Sushanto Mitra, CEO, Lead Angels, threw light on intricacies of fund raising as it is not an easy task and needs a lot of preparation beforehand. He discussed about the ideas that a startup should choose and the process of approaching an investor.
10. **Legal and Ethical Steps - Productive Entrepreneurship and Startup (12th May).** Founder & CEO of Signicent LLP in India and Signicent LLC in the US, discussed how to find an idea. The speaker explained the types of IPR and their relevance in innovation. He also explained how to safeguard IP. The speaker also emphasized on the importance Market Research. The audience also explained how to do valuation of an IP. The legal

status analysis informed the listeners how to safeguard the idea from legal issues. Overall it was an informative and excellent session.

11. **Innovating Self- Screen and Identify right opportunities (13thMay).** Prof. Sanjay Inamdar Chairman, AICTE Start-up Policy Implementation Committee and Entrepreneur, gave practical tips to the young students to stay abreast with skills and technology in the current times to achieve higher goals of success. The crux of his session can be encapsulated in two phases: 'Envisioning Future' and 'Acting Rapidly.'
12. **Understanding Role and Application of Marketing Research at Idea to Start up Stage - Foundation Level (14th May).** Dr. Preet Deep Singh, AVP, Invest India, emphasized on the significance of market research in starting any business. He encouraged the business ventures to be acutely aware of the complete market value.
13. **Innovation Risk Diagnostic — Product Innovation Rubric (PIR) (15th May).** Dr. Lakshmi Meera, Program Director, Forge incubator, Coimbatore explained the risks to take care of before setting up a start-up and understand the different risks involved while doing Product Innovation.
14. **Idea, Entrepreneurship Opportunities, Business Model and Business Plan (19th May)** Dr. Amit Dwivedi , Associate senior faculty, EDII, Ahmedabad, Dr. S.R. Acharya, Associate Senior Faculty EDII, Ahmedabad, said that in the present scenario of COVID 19, when the whole world stands at zero, the youth in India is having a great opportunities to encash their ideas. We Indians have numerous opportunities, aspiration and motivation as well. The only thing required is to take the right action in right direction at right time with a well-planned strategy.
15. **Use of Market Data and Application of Marketing Research Tools and Methodology- Increasing chances of Survivability of Innovation and Venture-Advanced Level(20th May).** Dr. Preet Deep Singh, AVP, Invest India conducted session on how to use marketing research tools to define and identify the right market, right product and also the right customer. He discussed the whole procedure beginning from how and where to start research, product pricing, etc. The speaker also provided a set of

tools on market research that can be helpful such as R, SPSS, Python, Tableau, Google Analytics, Data website, survey monkey, etc.

16. Frugal Innovations and Social Entrepreneurship (21st May). Dr Raman Gujral, Senior Faculty, EDII, Ahmedabad, distinguished between the two terms- creativity as a skill (thoughts) while innovation being an action process involve doing something new. Ideas are of core importance from them roots innovation. Innovation creates a difference between a follower and a leader, but also includes risks.

17. Interaction with Student Innovators and Entrepreneurs from Smart India Hackathon (SIH) (22nd May). Mr. Pulkit Jain, Mr. Arpit Nandi and Mr. Lokesh Goswami. This Session was scheduled with student innovators and entrepreneurs from Smart India Hackathon (SIH) to inspire and motivate young generation, students, and faculty. The student innovators and entrepreneurs shared their Journey and experience of SIH and how they came out with a beautiful solution of a problem that they saw regular or local to them, with the help of great team and mentor.



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