



The Autonomous & Heritage Institution
KANYA MAHA VIDYALAYA, JALANDHAR

College with Potential for Excellence
Re-Accredited A (score 3.56) by UGC-NAAC
Star Status by DBT
4 Stars to KMV IIC by MIC, Government of India
CURIE & FIST Grant (Phase II) Awarded by DST



Activities Conducted on IPR, Entrepreneurship & Skill Development
(2021-22)

3.3.2 List of Activities conducted on Innovation, Entrepreneurship and IPR (2021-22)

June 01, 2021-May 31, 2022

S. No.	Name of the Workshop/ Seminar/Session	Number of Participants		Date	Link to the Workshop/Seminar report on the website
		No. of Students	No. of Teachers		
1.	Session on Introduction to Intellectual Property Rights	-	72	04/06/2021	https://www.instagram.com/p/CPOX3zNL-6M/
2.	Session on Building an Innovation/Product Fit for Market	85	15	18/06/2021	https://www.instagram.com/p/CQTxqoUrh-2/
3.	National Workshop on IPR & IP Management for start-up	150	50	21/06/2021	https://www.instagram.com/p/CQY3ZCGrvLL/
4.	Mentorship Session on Frugal Innovation	76	04	23/06/2021	https://www.instagram.com/p/CQdvvePLRDu/
5.	Business Plan Competition to Invite Innovative Business Models from Students	103	18	12/07/2021	https://www.instagram.com/p/CRQVXiKr_7U/
6.	Session on Prototype Validation - Converting Prototype into a Start-up	04	02	14/07/2021	https://www.instagram.com/p/CRXyGo5LWJd/
7.	Orientation Session for All Students & Faculties of Institute by Innovation Ambassador	205	38	24/07/2021	https://www.instagram.com/p/CPdDoSULWOx/
8.	Innovation Song Competition	10	18	28/07/2021	https://www.instagram.com/p/CR5iurBL9QU/
9.	World Entrepreneurs' Day Celebrations <ul style="list-style-type: none"> • Poster-Making Competition • Videos of Campus Entrepreneurs • Invited Talk with Start-up Founder 	126	24	21/08/2022- 24/08/2022	https://www.instagram.com/p/CS7GmraoJJ5/ https://www.instagram.com/p/CS9xKE-oTI3/
10	Exposure and Field visit for problem Ideation to Pushpa Gujral Science City, Kapurthala	06	02	01/09/2021	https://www.instagram.com/p/CWYdSWKPiU6/
11	Mentoring Session on Converting a Prototype into a Start-up	05	02	09/09/2021	https://www.instagram.com/p/CT2Ao7nIaIS/
12	Mentoring Session on Entrepreneurship: Concept and Insights	87	01	15/09/2021	https://www.instagram.com/p/CUB9abGIqp_/
13	Session on Introduction to Entrepreneurship	25	298	06/10/2021	https://www.instagram.com/p/CUsONymIsm9/
14	Session on Creativity & Innovation	210	21	07/10/2021	https://www.instagram.com/p/CUuv_8XInJq/
15	Session on Entrepreneurial Competencies	243	21	08/10/2021	https://www.instagram.com/p/CUxXe1fIOsp/

16	Session on Management Skills & Functions	257	32	09/10/2021	https://www.instagram.com/p/CU5KI-Ho-D9/
17	Session on Business Opportunity Identification & Market Analysis	305	27	11/10/2021	https://www.instagram.com/p/CU5Lb3lvN7N/
18	Session on Business Plan Preparation	200	15	12/10/2021	https://www.instagram.com/p/CU7z3M5AUfI/
19	Session on Start-Up Financing & Launching	214	22	13/10/2021	https://www.instagram.com/p/CU-aYC1Isf0/
20	Session on Business Model Canvas	253	26	14/10/2021	https://www.instagram.com/p/CVDotn2h7yD/
21	Session on Design Thinking	285	23	16/10/2021	https://www.instagram.com/p/CVIfQImBWl/
22	National Innovation Day Celebrations <ul style="list-style-type: none"> • Quiz Competition • Poster Making Competition 	400	20	16/10/2021	https://www.instagram.com/p/CVQaJ-tokxa/
23	One Day City Level Exhibition by KMV Budding Entrepreneurs	104	30	02/11/2021	https://www.instagram.com/p/CWDsMAUvfID/
24	National Education Day Celebration <ul style="list-style-type: none"> • Essay Writing Competition 	11	01	15/11/2021	https://www.instagram.com/p/CWgG4oqIDHf/
25	My Story- Motivational Session by successful innovators	54	06	17/11/2021	https://www.instagram.com/p/CWYXwK9vV57/
26	Workshop on Problem Solving and Ideation	130	05	20/11/2021	https://www.instagram.com/p/CW3aBCQvWD6/
27	One day workshop on Entrepreneurship and Innovation as a Career Opportunity	55	06	24/11/2021	https://www.instagram.com/p/CWvr_Q0Pmlz/
28	Field Visit to Fab Lab	40	02	24/11/2021	https://www.instagram.com/p/CY23lmAhEPW/
29	National level quiz on Intellectual Property Rights	1422	100	25/11/2021	https://www.instagram.com/p/CXToTc_P2nB/
30	Workshop on Design Thinking, Critical Thinking and Innovation Designs	130	05	01/12/2021	https://www.instagram.com/p/CY8K6BLPvip/
31	Orientation session on IIC 4.0	-	22	24/01/2022	https://www.instagram.com/p/CZJKWPxvyiD/
32	Online Orientation Session for Government College, Ropar under MIC's Mentor - Mentee Program	55	42	27/01/2022	https://www.instagram.com/p/CZOsmXcPSStB/
33	Online Orientation Session for Guru Hargobind Institute of Law for Women, Ludhiana under MIC's Mentor - Mentee Program	35	28	29/01/2022	https://www.instagram.com/p/CZYxY86IBO2/
34	Celebration on International Day of Girls & Women in Science	700	10	11/02/2022	https://www.instagram.com/p/CaYyFffPFOb/
35	CHEM-INNOVESTA 2022	155	15	18/02/2022	https://www.instagram.com/p/CaJnen3ParR/
36	Workshop on Entrepreneurship Skill, Attitude and Behavior	42	06	19/02/2022	https://www.instagram.com/p/CaSDiAIvGA1/

	Development				
37	National Science Day	155	15	21/02/2022-28/02/2022	https://www.instagram.com/p/CaqvBIBP7o3/
38	An Online session on " Journey that leads to Frugal Innovations"	100	10	23/02/2022	https://youtu.be/IMyjeYv ykdI
39	Online Orientation Session for J.C.D.A.V College, Dasuya & IITM College of Science, Art & Commerce, Haryana under MIC's Mentor - Mentee Program	39	43	03/03/2022	https://www.instagram.com/p/Ca1HraUvy0H/
40	Disha-2022 (An Idea Hackathon)	150	06	10/03/2022	https://www.instagram.com/p/Ca64teEP1a3/
41	Workshop on "The Basics of Patent"	40	12	10/03/2022	https://www.instagram.com/p/CbHF06NpkCz/
42	Interactive Session with Successful Start-up Founder	57	18	12/03/2022	https://www.instagram.com/p/CbJrvDsv4LY/
43	Three Days Workshop on IPR and IP Management for Start-ups	96	50	11/03/2022 12/03/2022 14/03/2022	https://www.instagram.com/p/Ca-KzS-PrWS/
44	Seven days Entrepreneurship Development Camp	12	02	12/03/2022-18/03/2022	https://www.instagram.com/p/CixljAyv8j2/
45	Workshop on "How to Plan for Start-up and Legal & Ethical Steps"	51	06	16/03/2022	https://www.instagram.com/p/CbMMKCQPduc/
46	Orientation Session for Laxmi Narayan College of Technology Excellence, Bhopal under MIC's Mentor-Mentee Program	35	44	19/03/2022	https://www.instagram.com/p/CbWo-XjPJ19/
47	Workshop on Weaving Techniques in Handloom	18	02	02/03/2022	https://www.instagram.com/p/Ch4Hka3LYv3/
48	World Health Day Celebration <ul style="list-style-type: none"> Awareness Camp on Food adulteration to celebrate World Health Day 	70	25	07/04/2022	https://www.instagram.com/p/Ch4REN8PNOY/
49	Innovative & Sustainable Fashion Show 2022 By KMV Budding Entrepreneurs	150	10	12/04/2022	https://www.instagram.com/p/CcQr090PRWk/
50	Inter-College Quiz Competition on Innovation and Entrepreneurship	67	08	16/04/2022	https://www.instagram.com/p/Cco5iBovwGx/
51	Inter College Poster Making Competition on 'Start-Ups: A Boost to Indian Economy'	32	16	16/04/2022	https://www.instagram.com/p/Ch4TAJFvVtJ/
52	An Inter-college Business Plan Competition on Innovative Start-ups: Dare to Develop	18	22	16/04/2022	https://www.instagram.com/p/CdKoIe-vrtu/
53	Workshop on "Explore Creative You" to celebrate World Creativity and Innovation Day	120	04	21/04/2022	https://www.instagram.com/p/CcpC6vUPyL-/
54	World Earth Day Celebrations <ul style="list-style-type: none"> Slogan Writing Competition Rangoli Making 	200	05	22/04/2022	https://www.instagram.com/p/CcqH2OOvwVT/ https://www.instagram.com/p/CcqH2OOvwVT/

	Competition • Poster Making Competition				om/p/CcvTdHIP66k/
55	Exposure and Field Visit to National Physics Laboratory, New Delhi	15	02	22/04/2022	https://www.instagram.com/p/CfOx64NPUNS/
56	Two Day Workshop on Food Costing and Cooking for Start-up	20	05	22/04/2022-23/04/2022	https://www.instagram.com/p/CixlGdtvBbs/
57	Workshop on “Idea to Start-up”	38	05	25/04/2022	https://www.instagram.com/p/Cc7S7xXPcxa/
58	World IPR Day Celebration • National Level Poster Making Competition	60	15	26/04/2022	https://www.instagram.com/p/Cc69iVmP4Wy/
59	IPR Awareness Program under NIPAM	250	80	28/04/2022	https://www.instagram.com/p/CdBUqCjvoQQ/
60	Live Interaction and Virtual Tour of state-of-the-art research labs from Queens University, UK.	75	12	03/05/2022	https://www.instagram.com/p/Ch4RpZTPYvx/
61	Three days Food Innovation and Product Development Workshop	12	02	06/05/2022-08/05/2022	https://www.instagram.com/p/Ci0NdeFPg2Y/
62	National Technology Day on “Integrated approach in science and technology for Sustainable Future”	52	04	11/05/2022-13/05/2022	https://m.facebook.com/story.php?story_fbid=pfbid0VHZaSFwUFSBv3sgYwsttBN5veQ1ZR2SnX6B7yX4jbAdPstU2wubZTFzTPYkbYGu3l&id=107283044258071
63	Workshop on ‘Business Model Canvas’	104	18	20/05/2022	https://www.instagram.com/p/Ch4LmxQvILD/
64	KMViets challenged India’s innovative minds at TOYCATHON-2022	02	02	24/05/2022-26/05/2022	https://www.instagram.com/p/CeTil0GPRzC/
65	Workshop on Start-up and Entrepreneurship in Food Business	41	12	27/05/2022-28/05/2022	https://www.instagram.com/p/CjFfSNnvfxE/

1. Session on Introduction to Intellectual Property Rights.

Date: 04/06/2021

Student Participants: Nil

Faculty Participants: 72

Report

Kanya Maha Vidyalaya- the Heritage & Autonomous institution, Jalandhar has always been committed to develop intellectual base through quality research of both faculty and students. In another initiative to promote research among its faculty and students the Research Cell of KMV, in collaboration with IQAC and Institute's Innovation Council, organized a Research Forum. In this forum Dr. Kuldeep Singh Nagla, former Head and Associated Professor, Department of Instrumentation and Control Engineering at Dr BR Ambedkar National Institute of Technology Jalandhar, delivered a talk on "Introduction to Intellectual Property rights".

The forum started the inaugural address by Principal, Professor Dr. Atima Sharma Dwivedi. During her address she emphasized that, as mentors and leaders of the society, we must conquer upon our mental complexities to keep learning and changing. She stressed that participation in research activities and listening to the expert talks act as a big motivation. Referring to the 12 IPRs acquired recently by KMV, she affirms that the KMV faculty has potential to do wonders in research.

After that Dr. Jatinder Pal, Dean Research introduces the guest speaker to all the participants. After which the Guest Speaker Dr. Kuldeep Singh Nagla took the charge and gave the overview of IPRs. In his discourse he discussed key innovations of NIT and case studies of commercialization of patent acquired by NIT. He comprehensively explained the Indian patent system and its requirements. At the Madam Principal thanked the Guest Speaker and also lauded the efforts of IQAC and Research Cell in promoting research activities among the faculty and students.



2. Session on Building an Innovation/Product Fit for the Market.

Date: 18/06/2021

Student Participants: 85

Faculty Participants: 15

Report

The session 'Building an Innovation/Product Fit for the Market' was conducted by Mr. Puneet Jindal, Founder/Chief Data Scientist, LABELLERR on June 18, 2021. It was a knowledge packed session where the resource person interacted with the students and shared his story of building a successful Artificial Intelligence based SaaS tool. He primarily focused on the criteria of building a product fit for the market. He also discussed that finding a problem statement or a gap in the market is a crucial step to build an innovative product. He highlighted that it is very important to have in-depth and tangible understanding of who your customers are, and how they feel about you and your product. Using some interesting examples, Mr. Jindal discussed that instead of having a vague idea about the product, creating a functional MVP prototype will help in communicating with customers and design/engineering teams. Further on, he made participants aware about the ways of Testing the MVP with customers and the significance of customer feedback. It was a fruitful session. After learning his successful entrepreneurial story, the participants were highly motivated that Entrepreneurship could be a New Frontier for women.



3. National Workshop on IPR & IP Management for start-up

Date: 21/06/2021

Student Participants: 150

Faculty Participants: 50

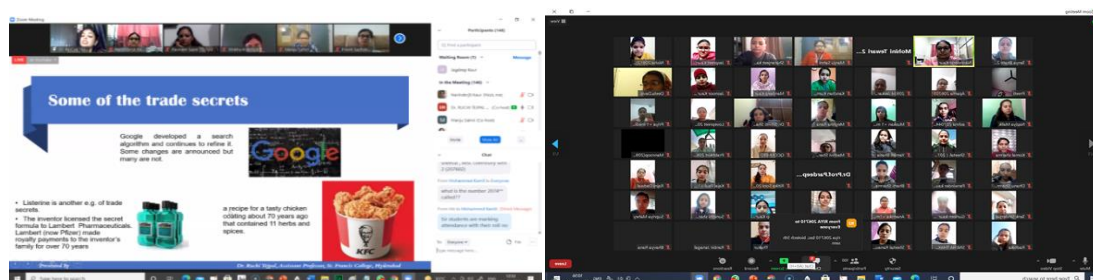
Report

P.G. Department of Chemistry, Kanya Maha Vidyalaya, Jalandhar –the Heritage and Autonomous institution organised one day Online National Workshop on “IPR and IP Management for Start-ups” under DBT Star College Scheme by Dr. Ruchi Tejpal, Assistant Professor, St. Francis College, Begumpet, Hyderabad, Managing Proprietor and Senior Patent Associate of DETERMINANTS IP SERVICES, Hyderabad.50 faculty members and 150 students had actively participated in workshop.

She enlightened the students about introduction and importance of IPR. She discussed detailed steps to be followed in IPR filing. Further she gave overview of types of IPR highlighting the facilitation of Patent Cooperation Treaty for simultaneously filing International Patents.

She also gave detailed explanation on trademarks, industrial designs, geographical indicators, trade secrets and Copyrights. Further she discussed the steps to strategize IP and monetization of IP. She also elaborated about Start-up India to drive sustainable economic goals and measures taken by government to promote it.

The workshop was followed by fruitful interaction with the students. The lecture was very well received by the students. Principal Prof. (Dr.) Atima Sharma Dwivedi thanked the resource person and also appreciated the endeavour taken by the Department of Chemistry adding that it should be a regular feature in the curriculum.



4. Mentorship Session on Frugal Innovations

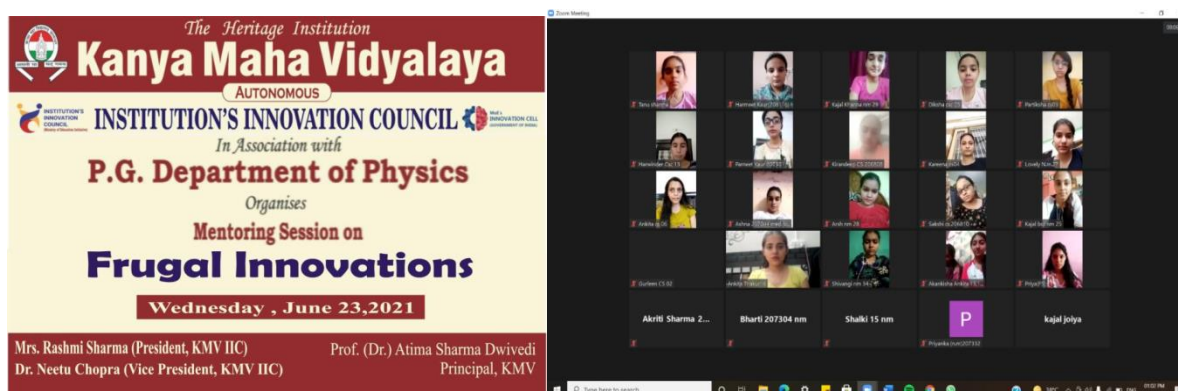
Date: 23/06/2021

Student Participants: 76

Faculty Participants: 04

Report

KMV Institution's Innovation Council (IIC) in collaboration with P.G Department of Physics, Kanya Maha Vidyalaya, Jalandhar has organized Mentoring Session on "Frugal Innovations". Session was conducted by Dr. Neetu Chopra, Vice President, KMV IIC, Kanya Maha Vidyalaya, and Jalandhar and was attended by undergraduate students as well as faculty members. Kanya Maha Vidyalaya, Jalandhar an autonomous and heritage institution has always stressed upon innovations in science education for enabling smart and inclusive growth of students. This mentoring session was organized to motivate students towards scientific innovations. Session was started with an inspirational thought and she encouraged the students to think big and beyond the imagination. Dr. Chopra explained the difference between creativity and Innovation, then relate the concept of frugal innovations which is also named as *Jugaad* in the local language. "Human creativity is a natural, infinitely renewable resource — and it's coming up with smart, cheap solutions to people's biggest problems" she added. She quoted examples of *Dabbawals* of Mumbai, Mobile app for farmers to switch ON/OFF motors etc. to emphasize that innovation does not require any specialization. Principal Prof. (Dr.) Atima Sharma Dwivedi applauded efforts of KMMVIIC and Physics department for organizing such innovative events for students. She said that need is perhaps the mother of innovations. "Innovation is the cornerstone of sustained economic growth and prosperity" she further added.



5. Business Plan Competition to Invite Innovative Business Models from Students

Date:12/07/2021

Student Participants:103

Faculty Participants:103

Report

To promote entrepreneurial and innovative spirit among students, KMV IIC under the flagship of MIC conducted Business Plan Competition on 12 July'21. The objective of conducting the Business Plan Competition was to provide a meaningful learning experience for participants who are interested in pursuing an entrepreneurial opportunity at some point in their careers. The aim was to foster the culture of innovation among the students, to motivate them to initiate for startups and to promote awareness as per the goals of IIC.

The responses were commendable and very encouraging. We received an overwhelming response from different parts of the country and around 103 participants registered for the competition from all over India. Due to the ongoing pandemic, the competition was conducted through a virtual platform via zoom. The participants exhibited great enthusiasm. The results were announced with great zeal as well. Paras Gupta of Guru Nanak Dev University College, Jalandhar bagged first position, Mansi Pathak of Sunbeam Women College, Varuna (UP) second and Gurleen Kaur of BBK DAV College for Women, Amritsar bagged third position. The main focus of conducting this competition was to benefit the participants to establish their business plans that can be of great help in the future and to create a roadmap of goals that will not only help the participants to determine the vision of their business but also guide them as to how they can pursue it.



6. Session on Prototype Validation - Converting Prototype into a Start-up

Date:14/07/2021

Student Participants: 04

Faculty Participants: 02

Report

Kanya Maha Vidyalaya, Jalandhar an autonomous and heritage institution has always stressed upon innovations in science education for enabling smart and inclusive growth of students. P.G. Department of Physics, Kanya Maha Vidyalaya, and Jalandhar is constantly working in the directions of imparting science education through innovative teaching methodologies. One of the innovative methodologies is to organize special mentoring sessions for students with innovative minds. Under these mentoring sessions, students were stimulated to develop unique ideas and these novel ideas were then refined by their mentors. In continuation of pre-incubation sessions including invited talks and mentoring sessions, P.G. Department of Physics arranged an advanced training session to design Innovative projects. So that every student can sanitize their hands before entering and after leaving their classes. Overall, this session was very important from innovation point of view which can generate revenue for students in their future.

Principal Prof. (Dr.) Atima Sharma Dwivedi applauded efforts of P.G. Department of Physics for organizing this mentoring session. She added that today innovation is the need of hour and our curriculum should focus on innovations and entrepreneurship.



7. Orientation Session for All Students & Faculties of Institute by Innovation Ambassador

Date:24/07/2021

Student Participants:205

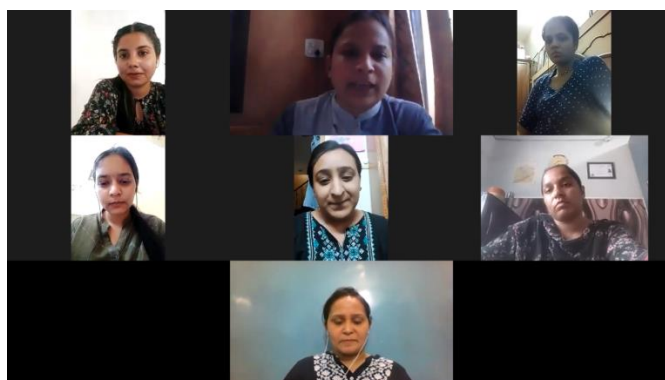
Faculty Participants:38

Report

The orientation session by innovation ambassador was conducted by Ms. Arti Thakur, Convener IIC and Innovation Ambassador on May29, 2021. This session begins with discussion on innovations which changed the human life forever. It was further discussed how these innovations have contributed to the growth and solved the problems humanity faced. It proceeded further on what the terms creativity, invention and innovation mean and how they are interrelated to each other with the help of examples. The speaker then discussed how important is innovation for the entrepreneurs, the way it leads to effective processes, products, solutions to societal, economical, technical problems and advancement of society at large.

The discussion then proceeded to see where we as country stand in patent filing scenario in the world and the various initiatives like National Innovation and Start-up Policy (NISIP), setting up of Institution Innovation Councils (IICs), events like Toyacathon, hackathons and the likes of ASPIRE, STARTUP INDIA and various other initiative taken by the Govt. of India.

The participants were acquainted with what our institution is doing on this front and how students can make the most of it by taking part in the various activities conducted under the umbrella of IIC. The session then proceeded to the discussion on a 13-year-old young innovator Haaziq Qazi and his innovative plan to remove plastic from the ocean's surface. Then the session concluded with addressing the questions from the participants.



8. Innovation Song Competition

Date:28/07/2021

Student Participants:10

Faculty Participants:18

Report

Institution's Innovation Council under the aegis of Kanya Maha Vidyalaya- the Heritage & Autonomous institution, Seat of Women Empowerment with Top National and State Rankings by India Today Survey of Best Colleges 2020& 2021 (various categories), organized an Innovation Song Competition on 28th July, 2021.

The main motive behind this competition was to inspire students to participate in a competition whereby they can be instrumental in generating awareness about innovation and entrepreneurship by composing and singing songs on the theme of innovation and entrepreneurship. The objective of conducting this competition was to foster the culture of innovation among the students, to motivate them to compose their original songs and to promote awareness as per the goals of IIC.

The competition was successful in creating enthusiasm among students of different departments of the college and 10 participants registered for the competition. Due to the ongoing pandemic situation, the competition was conducted through a virtual platform via zoom. The participants exhibited great zeal. The songs beautifully composed and sung by the participants were circulated among the students and faculty through WhatsApp groups and social media. It attracted their attention towards the role innovation and entrepreneurship can play in generating employment and uplifting the economy of a country.

The results were announced with great zeal as well. Ruchi Malhotra and Drishti from B.Com.(Honours) Semester VI bagged first position, Nishtha from (B.Com. Honours) Sem IV second and Priyanka from B. Com. (Honours) Sem IV bagged third position.



9. World Entrepreneurs' Day Celebrations

- Poster-Making Competition
- Videos of Campus Entrepreneurs
Invited Talk with Start-up Founder

Date: 21/08/2022 to 24/08/2022

Student Participants: 126

Faculty Participants: 24

Report

World Entrepreneurs' Day was celebrated at Kanya Maha Vidyalaya (KMV), Jalandhar from 21st August, 2021 to 24th August, 2021, to create awareness regarding various aspects of entrepreneurship, innovation, and business leadership.

KMV IIC organised the following three activities to mark the celebrations of World Entrepreneurs' Day-

1. Poster-Making Competition

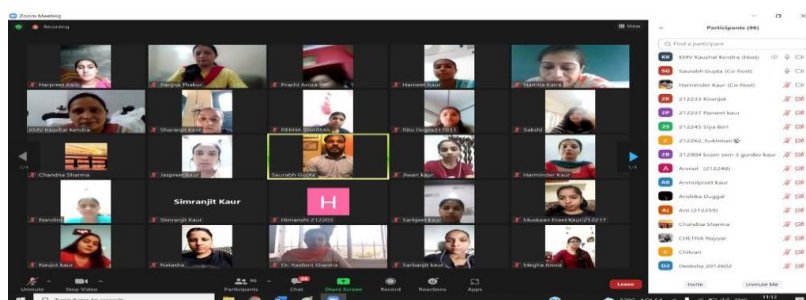
It was organised on 21st August, 2021. As many as 40 students participated in poster making competition on 'World Entrepreneurs' Day'. Students from different faculties participated with full enthusiasm. The posters highlighted the various dimensions of innovation and entrepreneurship.

2. Videos of Campus Entrepreneurs

Through inspiring videos, campus entrepreneurs shared their valuable views regarding starting new ventures, problems faced by them and how KMV-IIC helped them and encouraged them to be self-employed. The activity was organised on 23rd August, 2021.

3. Invited Talk with Start-up Founder

KMV IIC organised an invited talk by a start-up founder on 'Challenges for New Start-Ups'. Mr. Saurabh Gupta founder of 'Saurabh Gupta- A designer studio'. A renowned fashion designer, he shared his journey from student to a successful entrepreneur. Students got motivated and inspired.



10.Exposure and Field visit for problem Ideation to Pushpa Gujral Science City, Kapurthala

Date:01/09/2021

Student Participants:06

Faculty Participants:02

Report

Kanya Maha Vidyalaya, Jalandhar an autonomous and heritage institution has always stressed upon innovations in science education for enabling smart and inclusive growth of students. P.G. Department of Physics, Kanya Maha Vidyalaya, Jalandhar in collaboration with KMVIIC is constantly working in the directions of imparting science education through innovative teaching methodologies. P.G. Department of Physics inculcates scientific temperament among students and also supports them to showcase their innovative ideas at competitive level. P.G department of physics have organized various invited talks and guest lectures by eminent researchers to inculcate innovative temperament among students. To resolve the problems existing in the society, P.G. Department of Physics have motivated as well as supported students to develop these ideas Further a prototype of touchless switches and touchless attendance system has been developed with an objective that students while entering or leaving the class room can turn lights and fans ON/OFF without even touching switches and can get themselves sanitized too. In one of the mega event graced by the presence of Dr. Dipan Sahu, Asst. Innovation Director, MoE's Innovation Cell, AICTE Government of India named INNOVESTA- 2021 organized by NIT, Jalandhar our students have won Best Idea award and Cash prize of Rs. 1000/-. Principal Prof. (Dr.) Atima Sharma Dwivedi applauded efforts of students of P.G. Department of Physics. She added that today innovation is the need of hour and our curriculum should focus on innovations and entrepreneurship.

के.एम.वी. की छात्राओं ने इन्ोवेटिव प्रोजैक्ट्स विकसित कर समाज के विकास में डाला योगदान



पुष्पा गुजराल साइंस सिटी, कपूरथला के इन्ोवेशन हब के दौर में शामिल के.एम.वी. की छात्राएं। (संस्था)

जालंधर, 12 सितंबर (कृष्ण): कन्या महाविद्यालय के द्वारा छात्राओं के सकारात्मक एवं सामूहिक विकास के लिए साइंस विद्या में इन्ोवेशन पर संचार दिया जाता है। विद्यालय के पोस्ट ग्रेजुएट डिपार्टमेंट ऑफ फिजिक्स द्वारा छात्राओं को इन्ोवेटिव अनुमान विषय में साइंस विद्या प्रदान करने की दिशा की ओर निरंतर मार्गदर्शन वक्तव्य प्राप्त होते हैं। छात्राओं के इन्ोवेटिव विचारों एवं योग्यताओं को प्रोत्साहित करने के लिए विद्या के द्वारा एडवेंस टेनिंग सेशन का आयोजन करवाया गया जिसके अंतर्गत छात्राओं ने पुष्पा गुजराल साइंस सिटी, कपूरथला के इन्ोवेशन हब के दौर में शामिल के.एम.वी. की छात्राओं ने इंटिग्रेटेड-आन-बीक सेंटर, इन्ोवेशन हब, पुष्पा गुजराल साइंस सिटी के सुयोग्य मार्गदर्शन के अंतर्गत के.एम.वी. की छात्राओं ने इंटिग्रेटेड-आन-बीक सेंटर पर आयोजित प्रोजैक्ट भी तैयार किया। महागरी के इस सेशन में छात्राओं ने लगातार सैनेटाइजेशन को जकारन को पहचाना और इस मकसद को केन्द्र में रखते हुए आटोमेटिक इंटिग्रेटेड सैनेटाइजेशन मशीन को विकसित किया जो उनके क्लास रूम के बाहर लगाई जाएगी। इसके अलावा छात्राओं द्वारा संचर्क रहित एक चीज का प्रोटोटाइप भी तैयार किया गया जिसके माध्यम से छात्राएं अपनी कक्षाओं में बिजली उपकरणों को अपनी सुविधा के अनुसार बिना बिजली भी स्विच को हाथ लगाए बिना एवं बंद कर सकें। बाइस के सेंसर से सहायता से चाली खाड़ा होने की समस्या को ध्यान में रखते हुए छात्राओं द्वारा आटोमेटिक सेंसर सिस्टम तैयार किया गया है जिसके द्वारा बाइस के चाली के निगरान एवं भंडारण में सहायता प्रदान की जाएगी। ये दोनों प्रोजैक्ट्स समाज में दिन-प्रतिदिन अने जाली मुश्किलों को ध्यान में रखकर ही बनाए गए हैं।

11.Mentoring Session on Converting a Prototype into a Startup

Date: 09/09/2021

Student Participants: 05

Faculty Participants:02

Report

Kanya Maha Vidyalaya, Jalandhar an autonomous and heritage institution has always stressed upon innovations in science education for enabling smart and inclusive growth of students. P.G. Department of Physics, Kanya Maha Vidyalaya, Jalandhar is constantly working in the directions of imparting science education through innovative teaching methodologies. One of the innovative methodologies is to organize special mentoring sessions for students with innovative minds. Under these mentoring sessions, students were stimulated to develop unique ideas and these novel ideas were then refined by their mentors. In continuation of pre-incubation sessions including invited talks and mentoring sessions, P.G. Department of Physics arranged an advanced training session to design Innovative projects. To actualize innovative ideas of students in the form of projects, KMV organized a trip to Innovation Hub of Pushpa Gujral Science City, Kapurthala. Under the able guidance of Er. Vishal Sharma, Scientist cum Chief Mentor of Innovation Hub, Pushpa Gujral Science City, Kapurthala KMViets have developed an automatic machine of hand sanitizer, touch less switches and also constructed a project on stagnant waste water problem. In the on-going time of pandemic, students have realized the need of frequent sanitization. With this objective students have developed an automatic hand sanitizing machine which will be installed in the entrance of their class rooms. Overall, this session was very important from innovation point of view which can generate revenue for students in their future.

Principal Prof. (Dr.) Atima Sharma Dwivedi applauded efforts of P.G. Department of Physics for organizing this mentoring session. She added that today innovation is the need of hour and our curriculum should focus on innovations and entrepreneurship.



12. Mentoring Session on Entrepreneurship: Concept and Insights

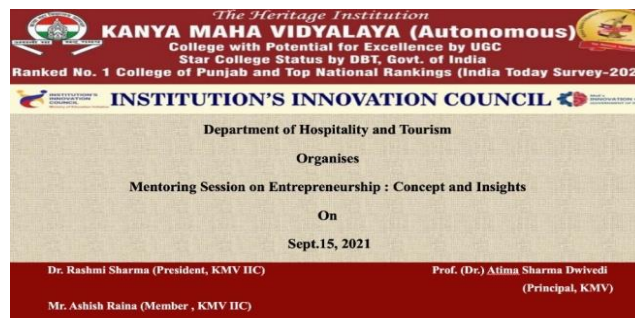
Date:15/09/2021

Students Participated:87

Faculty Participated: 01

Report

Department of Hospitality and Tourism organizes an expert talk under Institution's Innovation Council (IIC). IIC at KMV always helps the students with opportunities to identify their skills, polish them with innovation and turn skills into entrepreneurship. A mentoring session was organized for the students of hotel management in PAN India. The attendees were guided to understand the meaning and importance of Entrepreneurship and the steps involved into starting with a business idea and to be a successful entrepreneur. The attendee students have shown great interest in the session and this has come to be a very interactive session bases on solving countless queries about being an entrepreneur. The session was a great success in terms of attendance and outcomes with the joint efforts of IIC members.



13. Session on Introduction to Entrepreneurship

Date:06/10/2021

Students Participated: 298

Faculty Participated: 25

Report

Institution's Innovation Council of Kanya Maha Vidyalaya (Autonomous & Heritage institution), Jalandhar (KMV-IIC) organized a workshop related to 'Introduction to Entrepreneurship' on 06th October, 2021. The main objective of the workshop was to acquaint the students with the basic idea of innovation and entrepreneurship and to give the students a framework and some tools for evaluating an entrepreneurial venture and for constructing a plan to pursue the opportunity. **Major General (Dr.) GG Dwivedi** was the resource person of this workshop. The students were introduced with the attributes of being a successful entrepreneur and understood the magnitude and responsibilities of 'being own boss'. The workshop was the first step in the concentration in Entrepreneurship and Innovation.

Major (Dr.) Dwivedi has explained that an individual may start a new organization or may be part of revitalizing mature organizations in response to a perceived opportunity. He also emphasized on the proper training and development for establishing a start-up. He exemplified the overview of the risks and benefits of being an entrepreneur. This workshop focused on the basic and advanced approaches of entrepreneurial development and how it can be imbibed to the participants.



14. Session on Creativity & Innovation

Date:07/10/2021

Students Participated:210

Faculty Participated: 21

Report

The session was conducted by Major General (Dr.) GG Dwivedi. The session begins with a reminder on how inquisitive and creative we all are when we are young. A young mind has lots of questions and how the formal education has killed inquisitiveness.

The expert then discussed how to come up with new ideas, what sources we can look out for like trends, consumers, existing products and services, Distribution channels, Government resources etc.

Also, number of problem-solving techniques like Focus Groups, Brainstorming & reverse process, Collective notebook method, Big Dream Approach, Delphi Technique, Scenario Analysis, Cause-Effect Analysis were discussed in brief.

The students were also made aware of Innovation, its types- breakthrough, technological and incremental, with the help of examples.

The expert discussed ventures like – Golden Harvest Bread to explain the entire process.

The online session ensured interactive participation by discussing the following two Case studies



15. Session on Entrepreneurial Competencies

Date: 08/10/2021

Students Participated: 243

Faculty Participated: 21

Report

The session 'Entrepreneurial Competencies' was conducted by Major General (Dr.) GG Dwivedi on October 8 2021. The resource person emphasized on the concept of creativity that leads to innovation and entrepreneurship and encouraged the students to become successful entrepreneurs. Dr. Dwivedi highlighted the importance of creative thinking and critical thinking in our day-to-day life and how they provide solutions to different problems. He also explained the points of difference between creative and critical thinking. He discussed various characteristics that must be possessed by creative thinkers, such as they must be good communicators, open minded, risk takers, knowledge enablers and flexible. He explained different techniques to develop creativity and focused on 'Thinking Big and Positive'. Through case studies, the students were motivated to come up with their creative ideas. The session ended with question-answer session and students found the session to be very interesting and informative.



16. Session on Management Skills & Functions

Date:09/10/2021

Students Participated:257

Faculty Participated:32

Report

KMV IIC under the flagship of MIC conducted session on "Management Skills & Functions". The eminent resource person for it was Major General Dr. GG Dwivedi. The session was quite interactive in which the resource person has very interestingly through case studies made the students aware that 'Entrepreneurship is all about leadership. Without leadership no team can be built and no idea can be converted into practicality as idea is more important today than ideology. He also explained the competencies and the skills an entrepreneur must possess to be successful. The resource person also explained the changing nature of the environment, technology being the main driver. Also, to be a successful entrepreneur the leader must be a good decision maker and convert ideas into practicality. He also said that entrepreneurship is a continuous leadership to bring something new and present a new game all over. One cannot expect different results by doing more of the same thing. An entrepreneur must be one step further. He does not wait for opportunities but create opportunities.



17. Session on Business Opportunity Identification & Market Analysis

Date:11/10/2021

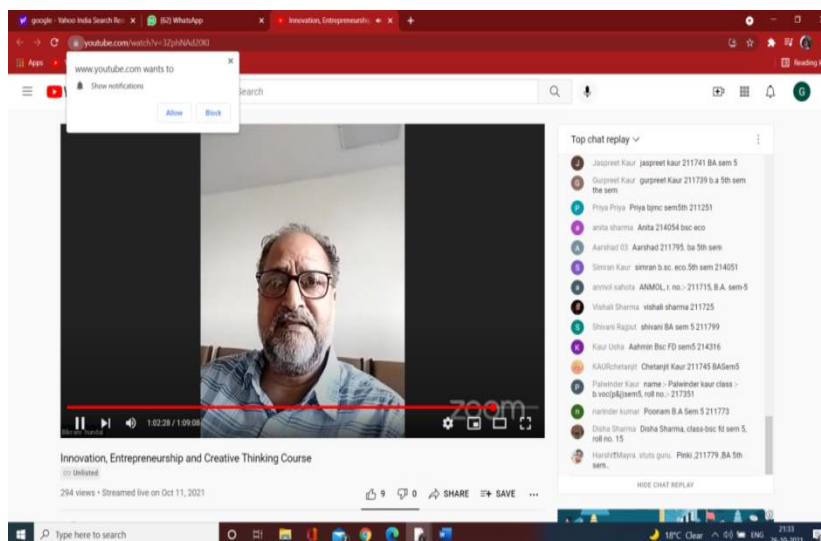
Students Participated:305

Faculty Participated:27

Report

Kanya Maha Vidyalaya- the Heritage & Autonomous Institution, Seat of Women Empowerment with Top National and State Rankings by India Today Survey of Best Colleges 2020 (various categories) & Outlook Magazine has always been making efforts for the holistic development of its students. In keeping with this tradition, an online session on “Business Opportunity Identification and Market Analysis” was conducted on Oct 11, 2021 as a part of value-based course titled “Innovation, Entrepreneurship and Creative Thinking”. Prof Bikramjeet Singh Hundal, Dean, Faculty of Economics and Business, Guru Nanak Dev University, Amritsar was the resource person of the day. In the beginning of the session, Dr Rashmi Sharma welcomed the resource person. Mrs. Ritu introduced the resource person to the audience and gave a glimpse of his achievements. Dr Hundal started his talk by discussing the importance Market Segmentation and Niche Market for the entrepreneurs. Then, Dr. Hundal addressed all the queries of the inquisitive participants very aptly and appropriately.

More than 300 participants joined this online session through Zoom and YouTube. The session was very interactive and informative resulting in enhancement the knowledge of all participants. At the end, Dr. Rashmi Sharma expressed heartfelt thanks to Dr. Hundal for sharing his expertise with the students.



18. Session on Business Plan Preparation

Date: 12/10/2021

Students Participated: 200

Faculty Participated: 15

Report

Institution's Innovation Council of Kanya Maha Vidyalaya (Autonomous & Heritage institution), Jalandhar (KMV-IIC) organized a workshop on business plan preparation'. The session on 'business plan preparation' was conducted by Dr. Sonia Chawla, Associate Professor, Dr. BR Ambedkar National Institute of Technology on October 12, 2021. It was an interactive and knowledge-packed session where the resource person interacted with the students and shared her story of building a successful Artificial Intelligence based Robotic Arm. She emphasized that a business plan is a blueprint of step-by-step procedure that would be followed in order to convert a business idea into a successful business venture. She highlighted that it is very important to identify strengths and weaknesses internal to the business and the challenges in terms of opportunities and threats to assess the viability of the business. Dr. Sonia highlighted that a comprehensive, carefully thought-out business plan is essential to the success of entrepreneurs. After attending her session, the participants were highly motivated that Entrepreneurship could be a New Frontier for women. Overall, the session was very informative, interesting and interactive. Principal Prof. (Dr.) Atima Sharma Dwivedi applauded the efforts of KMV IIC for holding such sessions.



19. Session on Start-Up Financing & Launching

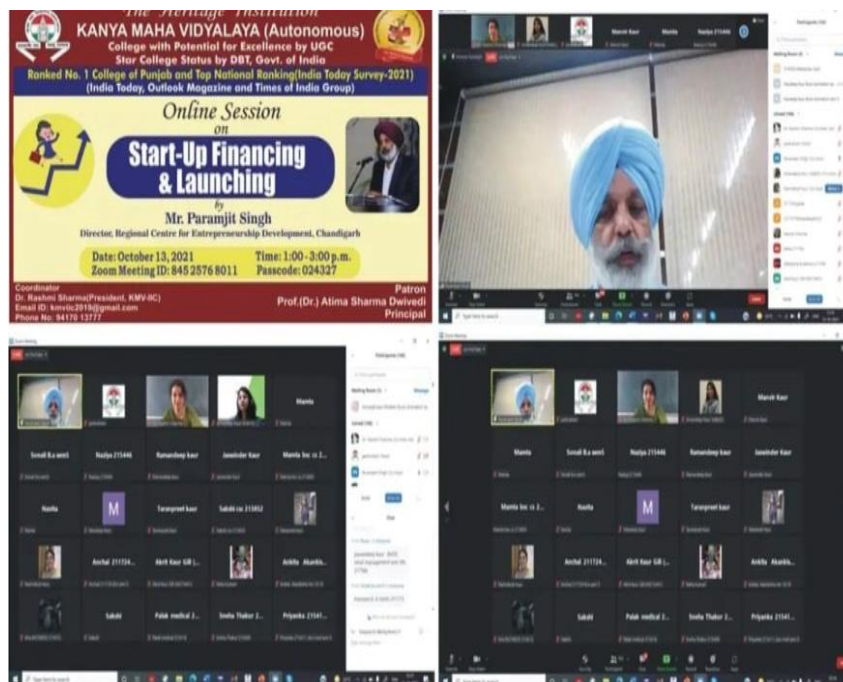
Date:13/10/2021

Students Participated: 214

Faculty Participated: 22

Report

The session was conducted by Mr. Paramjit Singh, Director of Regional Centre of Entrepreneurship Development (RCED). He acquainted the students with much needed information about schemes such as Make in India, Stand up India, Skill India, Made in India and Start-up India, which are directly linked to innovation and entrepreneurship. He stated that instilling creative thinking in young minds is the need of the hour, so that they can start their own ventures. The issue of brain drain can be countered with self-employment, he said. Mr. Singh informed the students about the best funding scheme in India called Prime Minister's Employment Generation Programme which provides a good amount of capital to aspiring entrepreneurs who have a unique idea for a startup and wish to establish it. In the end, he motivated the young girls to be innovative and consider entrepreneurship as a career option.



20. Session on Business Model Canvas

Date: 14/10/2021

Students Participated: 253

Faculty Participated: 26

Report

Institution's Innovation Council (IIC) of premier institution of Northern India, Kanya Maha Vidyalaya (Autonomous & Heritage institution), and Jalandhar organized the Workshop on **Business Model Canvas on 14th October, 2021**. The workshop intended to be an interactive experience allowing participants to learn about and implement the business model canvas, share their experiences on describing, visualizing, assessing, and changing business models and validate the questions for the same. The workshop was moderated by an expert on participative approaches, **Dr. Suparn Sharma, Dean, Faculty of Management, SMVDU**, having a long track record with Entrepreneurship & Operations, Econometrics / Analytics, Project Management. Sir acquainted the students with the concepts revealing financial related information, including number of visitors, costs, revenue, number of personnel, etc. Participants with no prior knowledge of the business model canvas were asked to report on the outcome during the workshop. Thus, participants have to find their way by discussing among each other the different aspects. This way the self-evidence of the model can be tested. The workshop facilitates participants to gain knowledge about business development and related methods. Especially methods for identification of user needs and requirements were well integrated into the projects.



21. Session on Design Thinking

Date: 16/10/2021

Students Participated: 285

Faculty Participated: 23

Report

A workshop on design thinking was organized on Oct 16, 2021 to help students understand design thinking as a problem-solving approach. Workshop was organized with the objective to prepare students for their careers by developing practical life skills that prepare them to innovate, lead and collaborate. This workshop looks at how individuals and organizations use creativity and design thinking skills to identify and choose opportunities that enable innovation. Workshop was conducted by Prof. (Dr.) Tejinder Sharma, Chairman & Professor in Department of Commerce at Kurukshetra University, Kurukshetra. Hands on training on design thinking was provided to students where they defined the problem and then identified its possible solutions. Event was attended by more than 200 participants including students and faculty members. During the workshop students worked in a team and learnt to tackle problems those are ill-defined or unknown, by re-framing the problem in human-centric ways, creating many ideas in brainstorming sessions, and adopting a hands-on approach in prototyping and testing. Students learnt that Design Thinking is an iterative process in which we seek to understand the user, challenge assumptions, and redefine problems in an attempt to identify alternative strategies and solutions that might not be instantly apparent with our initial level of understanding. At the same time, Design Thinking provides a solution-based approach to solving problems. It is a way of thinking and working as well as a collection of hands-on methods. Overall the workshop was very informative as well interesting which have motivated students systematically extract, teach, learn, and apply these human-centered techniques to solve problems in a creative and innovative way. Principal Prof. (Dr.) Atima Sharma Dwivedi congratulated efforts of KMV IIC for holding such workshops.



22. National Innovation Day Celebrations

- Quiz Competition
- Poster Making Competition

Date: 16/10/2021

Students Participated: 400

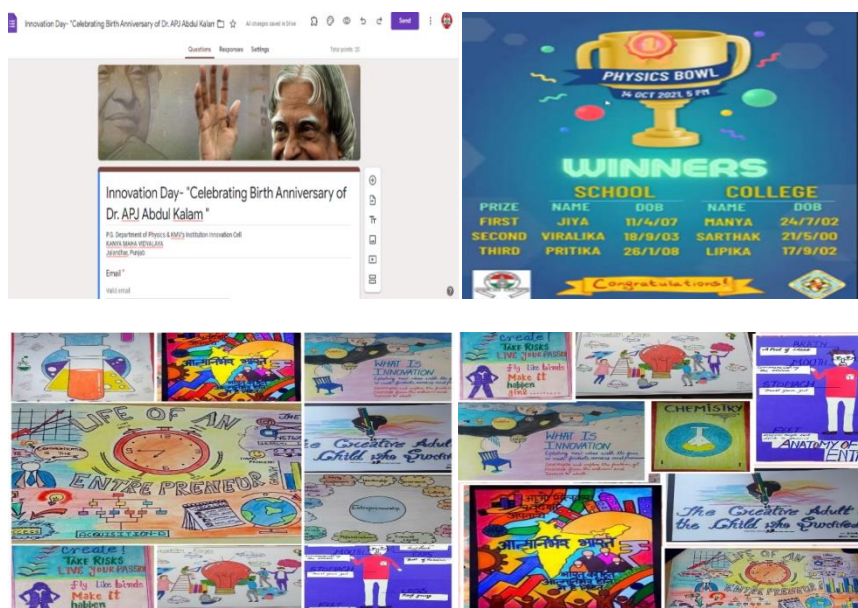
Faculty Participated: 20

Report

Institution's Innovation Council (IIC) at KMV, Jalandhar celebrated 'National Innovation Day' to mark the birth anniversary of Dr. APJ Abdul Kalam. Following activities were organized to celebrate Innovation Day:

1. Poster Making Competition on the theme "Innovation & Entrepreneurship"
2. Online quiz titled "Physics Bowl" was organized on Oct 14, 2021.
3. Online quiz named "Innovation Day-Celebrating Birth Anniversary of Dr. APJ Abdul Kalam" was organized from Oct 19-20, 2021.
4. Stall of handmade products of KMV Budding Entrepreneurs.

The event got an overwhelming response from students. As many as 400 students participated in Innovation Day Celebrations with full zeal and enthusiasm. Principal Prof. Dr. Atima Sharma Dwivedi appreciated the innovative ideas exhibited by the students. She motivated the students to develop innovative business ideas which will make them financially independent as well as increase the employment opportunities for others. She also congratulated and appreciated the IIC Team for organizing the event which will inculcate the innovative and entrepreneurial spirit among the students.



23. One Day City Level Exhibition by KMV Budding Entrepreneurs

Date: 02/11/2021

Students Participated: 104

Faculty Participated: 30

Report

Kanya Maha Vidyalaya (KMV) has always strived for undertaking such initiatives as would give fillip to the women empowerment. It is in keeping with the strategy of empowering girl students that KMV IIC organised a **‘One Day City Level Exhibition by KMV Budding Entrepreneurs** ‘at ‘VirsaVihar’, Jalandhar on November 02, 2021 on the auspicious occasion of Diwali.

The motive of this exhibition was to promote the culture of innovation and entrepreneurship among students. The exhibition provided them a platform to understand the basic concept of design ideas, packaging, presentation and marketing. The budding entrepreneurs were allotted one stall each to display & sell their work free of cost. More than 20 budding entrepreneurs put on display their products such as fashion wear, handicrafts, decoration items, jewellery, chocolates, healthy sweets and snacks, gel candles, herbal soaps, all manufactured by budding women entrepreneurs. Apart from these, an exclusive arena for entertainment was setup for cultural events, dance & music programme and food court was also organized. A large number of people, including students from different schools and colleges, visited the exhibition.

The exhibition provided the budding entrepreneurs a fair chance to exhibit their innovative, creative and cost-effective ideas. The exhibition proved to be a catalyst in their journey as successful entrepreneurs.



24. National Education Day Celebration

- Essay Writing Competition

Date:15/11/2021

Students Participated:11

Faculty Participated:01

Report

In order to get student views on what they think about education, its role in nation building and what new education policy promises on innovation and entrepreneurship front, an online Writing Competition was organized and entries were invited from the students on the following topics:

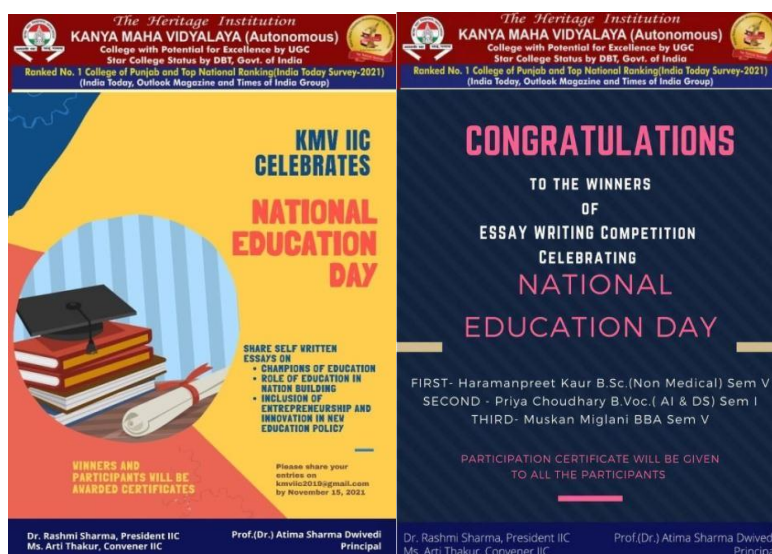
- 1) Champions of Education
- 2) Role of Education in Nation Building
- 3) Entrepreneurship and Innovation in New Education Policy.

As many as 11 students participated in the event of which the following three students were declared as winners.

First–Ms. Haramanpreet Kaur (B.Sc. Medical Semester-V)

Second –Ms. Priya Choudhary B.Voc. (Artificial Intelligence & Data Science) Sem- I

Third–Ms. Muskan Miglani (BBA Sem-V)



25. My Story- Motivational Session by successful innovators

Date: 17/11/2021

Students Participated: 54

Faculty Participated: 06

Report

KMV has research projects sanction by various governmental organizations DST, DAE, ICTP (Italy) and NSF (USA). The strength of KMV is its faculty who has a wide research experience. P.G. Department of Physics provides world class research facilities under one roof. It offers UV-Vis spectrometer, LCR, CRO, Muffle Furnace, Bottom Loading furnace, Photoluminescence facilities. Under the able guidance of faculty of Physics department and using research facilities offered by the department, its many students have been able to build their careers well. To motivate and encourage students to opt for research as career, Physics department organized an event named “My story- Motivational Session by successful innovators”. Event was attended by about 50 undergraduate and post graduate students. Alumni shared their research work as well as their novel findings with students. They discussed their learning strategies with students. Alumni boosted the spirit of students to opt for research in the field of Physics as their career. Students were inspired by listening to the success stories of Alumni. Overall, the session proved to be interesting and successful in creating awareness about relevance of innovation among the students.



26. Workshop on Problem Solving and Ideation

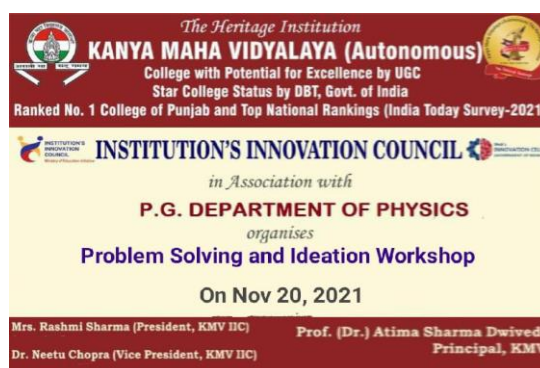
Date: 20/11/2021

Students Participated: 130

Faculty Participated: 05

Report

P.G. Department of Physics in association with Institution Innovation Hub (KMV IIC) of Kanya Maha Vidyalaya, Jalandhar, the Heritage institution, organized Problem Solving and Ideation Workshop for all science students. The objective of the event was to develop the creative minds of the students so that they could implement the scientific ideas in day to day life. Kanya Maha Vidyalaya, Jalandhar an autonomous and heritage institute has always stressed upon innovations in science education for enabling smart and inclusive growth of students. To popularize Science and to provide practical knowledge Innovation Hub is established in the campus. Innovation hub is an independent place of learning, inspiration, motivation, recreation, imagination and thinking in order to enhance the creativity and skill in Education of Basic Physics, some experiments like circular pendulum, anharmonic oscillator, Transmission line, Black hole, Air cannon, Doppler Effect, rotational Motion, Motion in inclined plane, energy transfer in spring etc., were demonstrated to the students to make it easier for them to understand the concepts in a practical way. Students were given the liberty to explore concepts related to different setups in innovation hub. Workshop developed a scientific spirit and curiosity among students which in turn have forced them to think and creatively find solutions to the day to day challenges. Students enjoyed learning through this workshop. Principal Dr. (Prof.) Atima Sharma Dwivedi congratulated students for taking such innovative initiatives. She said science is the application of existing scientific knowledge to practical world, like technology or inventions.



27. One day workshop on Entrepreneurship and Innovation as a Career Opportunity

Date: 24/11/2021

Students Participated: 55

Faculty Participated: 06

Report

One-day counselling session on Entrepreneurship as career opportunity was organized by Department of Retail Management under KMV-IIC on November 24, 2021 for students to make them aware about career opportunities in entrepreneurship. The Resource person for the session was Mrs. Chetna Arora, Faculty of Retail Management Department. She also guided students about entrepreneurship and career opportunity as an entrepreneur. She explained by giving examples of various successful entrepreneurs, that how they achieved the status in spite of having lack of facilities and financial support.

The students cleared their doubts by asking various questions regarding the confusions, they usually face while choosing career and giving direction to their career. Mrs Chetna also apprised the students with various skills needed and about funding options available to them in their entrepreneurial journey. This motivated the students to be confident and how to make informed career choices and open their own entrepreneurial avenues. Besides, hard work, time management and focus on the line opted are important aspects to be taken care of. All the students were highly motivated and got to know about various opportunities available in their entrepreneurial journey. It was a very informative day for the students.

Ms. Chetna also shared some more information on increasing importance of entrepreneurs in the economy and how these entrepreneurs are adding to job creation in country and the massive scope of growth available in entrepreneurship evident from success stories of various entrepreneurs.



28. Field Visit to Fab Lab

Date:24/11/2021

Students Participated:40

Faculty Participated:02

Report

Aim of above 'Field Visit to Fab Lab is to provide an exposure to students about practical working environment, also to provide the students a good opportunity to gain full awareness about industrial practices and new technologies.

Benefits of visit: - The students were able to:

- Industrial Visit Bridge the gap between classroom theoretical training and practical learning in real life environment.
- The visit provides an opportunity for students to ask questions related to their area of interest.

During the visit Students learn the practical skills related to dyeing, printing and pattern making techniques. They also got an opportunity to understand the increased use of CAD to develop designing capabilities, pattern making software, automatic embroidery machines. The production planning and scheduling activities were found interesting by the students. The students inquire and solved their queries in discussions with technical staff and managers. Students get highly motivated and encouraged by taking practical knowledge and willing to go such visits in future also.



29.National level quiz on Intellectual Property Rights

Date: 25/11/2021

Students Participated: 1422

Faculty Participated: 100

Report

PG department of Chemistry, Kanya Maha Vidyalaya (The Heritage and Autonomous Institution), Jalandhar in association with Institution's Innovation Council (IIC) organized a National Level Online Quiz on Intellectual Property Rights (IPR) under Innovation Cell, Ministry of Education, Government of India, New Delhi on 25th November, 2021. The goal of the quiz is to create awareness of the law which provides rights to researchers for their innovative research and patents in academic and industrial front they create, usually for short interval of time. Students and faculties participated in online quiz with full enthusiasm from across the country. A total of 1522 participants participated in the quiz and e-certificates were provided to students for participation. Principal Prof. Atima Sharma Dwivedi appreciated the endeavour taken by PG Department of Chemistry adding that this is important for students who want to pursue research in future and it should be regular feature in the curriculum.

The screenshot shows a web browser window displaying the registration page for a National Level Online Quiz on Intellectual Property Rights (IPR) held in November 2021. The page header includes navigation options: Questions, Responses (1,522), Settings, and Total points: 20. The main banner features the logo of Kanya Maha Vidyalaya, Jalandhar, and the Institution's Innovation Council (IIC), under the Innovation Cell, Ministry of Education, Government of India, New Delhi. Below the banner, the page is titled "Section 1 of 2" and "National Level Online Quiz on IPR - November 2021". A message from the PG Dept. of Chemistry is displayed, stating that the institution is organizing the quiz and that participants scoring a minimum of 40% will receive an e-certificate. The registration form includes fields for "Email ID" and "Full Name (as required on the certificate)". The browser's taskbar at the bottom shows various application icons.

30. Workshop on Design Thinking, Critical Thinking and Innovation Designs

Date: 01/12/2021

Students Participated: 130

Faculty Participated: 05

Report

Venue of the program: Nuclear Lab, Kanya Maha Vidyalaya, Jalandhar

P.G. Department of Physics in association with Institution Innovation Hub (KMV IIC) of Kanya Maha Vidyalaya, Jalandhar, the Heritage institution, organized Workshop on Design Thinking, Critical Thinking and Innovative designs for all science students. Under this program undergraduate science students were given a platform to present their concept based innovative experiments and projects that they have designed under DBT star college scheme. Department of Sciences, Kanya Maha Vidyalaya, Jalandhar organizes this unique kind of workshop annually. To motivate students to develop critical and analytic thinking, different innovative projects made by senior science students were exhibited. Students have developed as well as showcased touchless hand sanitizing machine which will be installed in the entrance of their class rooms. Further a prototype of touchless switches and touchless attendance system has been developed with an objective that students while entering or leaving the class room can turn lights and fans ON/OFF without even touching switches and can get themselves sanitized too. Through this workshop creative talent of the students was explored and they were able to think outside of the box. This workshop has developed a scientific spirit and curiosity among students which in turn drove them to think and creatively find solutions to the challenges. Students enjoyed learning through this workshop and felt a sense of belongingness as they make the models with their own hands. Principal Dr. (Prof.) Atima Sharma Dwivedi congratulated students for taking such innovative initiatives. She said science is the application of existing scientific knowledge to practical world, like technology or inventions.



31. Orientation session on IIC 4.0

Date: 24/01/2022

Faculty Participated:22

Report

The session was successfully conducted by Mr. Dipan Sahu, Assistant Innovation Director, and MoE's Innovation Cell. He started the session by highlighting the performance of IIC institutions in the year 2020-21. He shared that MIC provides funding support and hand holding support to student innovators and faculty innovators. In 2018-19, more than 10 lakh ideas were developed and 24,000 ideas were converted into innovations and prototypes. The total number of start-ups, ventures and SMEs were 1867. He highlighted that number has grown in 2019-20 and 2020-21 to 46,000 innovations and 3,800 start-ups and ventures.

Mr. Sahu addressed frequently asked questions by various IIC institutions all over the country. He shared that there is a change in the score system of activities in IIC 4.0 portal and discussed the various eligibility criteria for participation in various schemes and programmes of MIC. The session proved to be highly useful for all the IIC institutions as Mr. Sahu explained all the aspects very clearly and clarified the queries of IIC institutions.



32. Online Orientation Session for Government College, Ropar under MIC's Mentor - Mentee Program

Date: 27/01/2022

Students Participated: 55

Faculty Participated: 28

Report

Under the Mentor-Mentee Programme, KMV conducted online Orientation session with the students and faculty of Government College, Ropar on 27-01-2022. During this session, Dr. Rashmi Sharma (President, KMV-IIC) and other members of KMV-IIC interacted with the students and faculty of the mentee institute. The aim of the session was to apprise the mentee institute with the innovation and entrepreneurial ecosystem. The participants were acquainted with the knowledge regarding various innovative and entrepreneurial initiatives and achievements of students and faculty of KMV. Vision and mission statement of KMV-IIC, its infrastructure, successful Start-ups of students, IPR published/awarded during the year, Innovation Ambassador etc. were the points discussed during the session.

Further the mentee institution was encouraged to develop networks with experts and to make inter-institutional collaborations and resource mobilisation. Also, the future course of action and various issues concerning planning, organising and conduct of activities at mentee institutions were discussed.

At the end, the queries of mentee institution were addressed and constant support and guidance in future were assured.



33. Online Orientation Session for Guru Hargobind Institute of Law for Women, Ludhiana under MIC's Mentor - Mentee Program

Date: 29/01/2022

Students Participated: 35

Faculty Participated: 28

Report

Under the Mentor-Mentee Programme, KMV conducted online Orientation session with the students and faculty of Guru Hargobind Institute of Law for Women, Ludhiana on 29-01-2022. During this session, Dr. Rashmi Sharma (President, KMV-IIC) and other members of KMV-IIC interacted with the students and faculty of the mentee institute. The aim of the session was to apprise the mentee institute with the innovation and entrepreneurial ecosystem. The participants were acquainted with the knowledge regarding various innovative and entrepreneurial initiatives and achievements of students and faculty of KMV. Vision and mission statement of KMV-IIC, its infrastructure, successful Start-ups of students, IPR published/awarded during the year, Innovation Ambassador Etc. were the points discussed during the session.

Further the mentee institution was encouraged to develop networks with experts and to make inter-institutional collaborations and resource mobilisation. Also, the future course of action and various issues concerning planning, organising and conduct of activities at mentee institutions were discussed.



34.Celebration on International Day of Girls & Women in Science

Date:11/02/2022

Students Participated:700

Faculty Participated: 10

Report

PG Department of Chemistry, Kanya Maha Vidyalaya (The Heritage and Autonomous Institution), Jalandhar organized an online quiz to celebrate 'International Day of Women & Girls in Science-2022' on 11th February, 2022, with the theme: "Equity, Diversity, and Inclusion: Water Unites Us", to recognize the role of women and girls in science, not only as beneficiaries, but also as agents of change, including in view of accelerating progress towards the achievement of SDG 6 (Clean Water and Sanitation). Total 700 students participated in the event from all over India and received e-certificates. Dr. Manju Sahni, head of department extended her vote of thanks to all participants. Principal Prof. Atima Sharma Dwivedi appreciated the endeavour taken by PG Department of Chemistry for organizing such events.



35. Chem - Innovesta 2022

Date: 18/02/2022

Students Participated: 155

Faculty Participated: 15

Report

PG department of Chemistry, Kanya Maha Vidyalaya (The Heritage and Autonomous Institution), Jalandhar organized an Inter-College event “CHEM-INNOVESTA-2022” to manifest creativity and imagination of students for chemical experiments using things easily available at home on 18th February, 2022. The goal of the competition is to encourage creativity and disruptiveness of smart home solution idea, thoughtfulness and depth of explanation and feasibility of things. Total 155 students and 15 faculties participated across the country. Their knowledge was assessed by various fun quizzes using menti and jamboard apps. Students and faculties participated in online quiz with full enthusiasm and zeal. All the participants received e-certificates. Dr. Manju Sahni, head of department extended her vote of thanks and told that innovation is introducing novel ideas into use or practice. Principal Prof. Atima Sharma Dwivedi appreciated the endeavor taken by PG Department of Chemistry adding that this is important for students as innovation leads us through incremental improvements in technology.



36. Workshop on Entrepreneurship Skill, Attitude and Behavior Development

Date: 19/02/2022

Students Participated: 42

Faculty Participated: 06

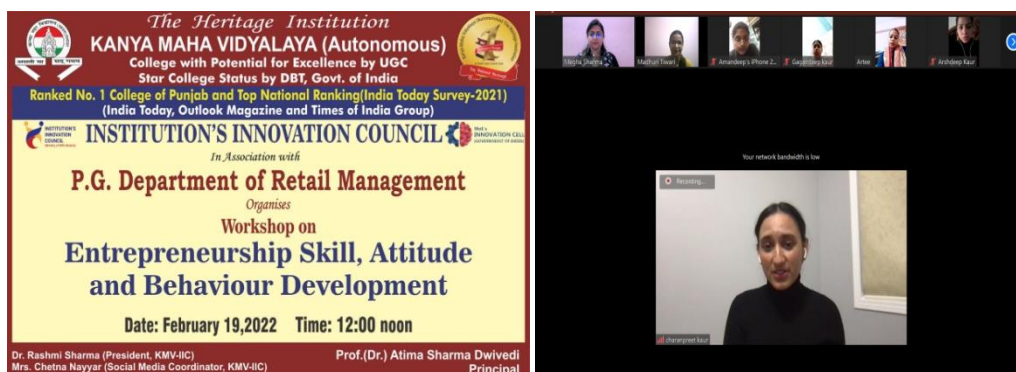
Report

One-day workshop on "Entrepreneurship Skill, Attitude & Behaviour Development" was organized by Institution's Innovation Council of Kanya Maha Vidyalaya, Jalandhar in association with Department of Retail Management on 19 February 2022. The guest speaker of the event was Ms. Charanpreet Kaur, Software tester at Ingenico Canada. A trainer, an educator for new joiners, a resource faculty, Ms. Charanpreet Kaur, is a highly motivated professional with experience in learning and development of software, process building with training small and large groups across diverse industries in Canada.

This workshop aimed at igniting the entrepreneurial spirit in budding innovators by guiding them on how to convert their innovative business ideas into successful business plans. She provided much valued guidance to the students on how to evaluate the financial viability and feasibility of their business ideas.

The entrepreneurial journeys of famous entrepreneurs were discussed to learn various emerging aspects related to start up. The entrepreneurial stories discussed helped the students to develop the analytical and innovative skills needed in their entrepreneurial journeys. The workshop shared a common goal of support and collaboration, to provide impetus to entrepreneurship attitude among students.

The workshop was concluded with Question & Answer session where the resource person solved all queries of the students.



37. National Science Day

Date: 21/02/2022-28/02/2022

Students Participated: 155

Faculty Participated: 15

Report

PG Department of Chemistry, Kanya Maha Vidyalaya- the Heritage and Autonomous Institution, Jalandhar has organized the national Level online quiz on the occasion of "National Science day on 28 February 2021. This day recalls the notable invention "Raman Effect" by India's greatest scientist C V Raman. He was awarded the Nobel Prize for this discovery. Since that day, February 28 is being commemorated as National Science Day to recall the great discovery of CV Raman. The main objective of this event was to promote general science and to aware the students the importance of science used in the daily life. Nearly 1850 students attempted the quiz from more than 18 states of India. The candidates who successfully passed the quiz got e-certificates. Dr. Manju Shani Head, PG Department of chemistry encouraged the students to take part in such knowledgeable events. Principal Prof. Dr. Atima Sharma Dwivedi applauded the efforts taken by the Faculty of PG Department of Chemistry for conducting this event and said that such endeavors should be a regular feature.

KANYA MAHA VIDYALAYA (Autonomous)
College with Potential for Excellence by UGC
Star College Status by DBT, Govt. of India
Ranked No. 1 College of Punjab and Top National Ranking (India Today Survey-2021)
INSTITUTION'S INNOVATION COUNCIL
Celebrates
National Science Day
28 February, 2022
11:00 A.M.
Resource Person:
Mrs. Pragya Nopany
ZOOM ID: 885 9249 3766 PASSCODE: 636438

President : Dr. Rashmi Sharma
Vice - President : Dr. Neetu Chopra
Coordinator : Dr. Narinderjit Kaur
Co - Coordinator : Dr. Surbhi Sharma

Principal:
Prof. (Dr.) ATIMA SHARMA DWIVEDI
Official Website:
www.kmvjalandhar.ac.in

Ten Chemical Innovations That Will Change Our World

PARTICIPATION AND PROGRAMME DETAILS
It is open for all students of school/College/University.

Event 1: Chem_alchemy: Choreography
• Students will perform a short and original choreography on the occasion of National Science Day.
• To be performed in the school/college.
• Video of the performance to be submitted to the institution by 28 Feb 2022.
• Video should be submitted in the format of MP4 or MOV.

Event 2: Brainstorm: On the spot quiz competition
• This event is for all the participants.
• To be held on the day of the event.
• To be held in the school/college.
• To be held in the school/college.
• To be held in the school/college.

Event 3: Chem_symmetry: Rangoli making competition
• Students will make a rangoli on the occasion of National Science Day.
• To be made in the school/college.
• To be made in the school/college.
• To be made in the school/college.

Event 4: Sci-creative: Poster making competition
• Students will make a poster on the occasion of National Science Day.
• To be made in the school/college.
• To be made in the school/college.
• To be made in the school/college.

Event 5: Exploravision: a writeup
• Students will write an article on the occasion of National Science Day.
• To be written in the school/college.
• To be written in the school/college.
• To be written in the school/college.

38. An Online session on “Journey that leads to Frugal Innovations”

Date: 23/02/2022

Students Participated: 100

Faculty Participated: 10

Report

P.G Department of Physics, Kanya Maha Vidyalaya, and Jalandhar in collaboration with KMV Institution’s Innovation Council (IIC) has organized online session on “Journey that leads to Frugal Innovations”. Kanya Maha Vidyalaya, Jalandhar an autonomous and heritage institution has always stressed upon innovations in science education for enabling smart and inclusive growth of students. In this regard P.G. Department of Physics has developed some unique and innovative techniques to understand science involved in our daily life easily. These techniques not only make sciences an interesting subject but also inspire students to opt research as their career. With the spirit to popularize sciences among students of other institution, an online mentoring session was organized which was attended by more than 100 participants including KMViets along with faculty and students of our mentee institute- Government College, Ropar. This mentoring session was organized to motivate students towards scientific innovations. In the session basic concepts of Physics were explained by demonstrating various innovative experiments. Experiments like Archimedes Principle, Bernoulli’s Principle, and Surface Tension etc. were shown by KMViets. Audience was amazed to know the process of formation of Rainbow, significance of Air Pressure. Audience also learnt how to generate electricity without using motor. Overall event received overwhelming response from the participants and appreciation from the mentee institute- Government College, Ropar. Prof. (Dr.) Atima Sharma Dwivedi applauded efforts of P.G. Department of Physics. “Engaging students in science content requires educators to help students see themselves as scientists and engineers instead of passively observing other people doing the work of science,” she said.



39. Online Orientation Session for J.C.D.A.V College, Dasuya & IITM College of Science, Art & Commerce, Haryana under MIC's Mentor - Mentee Program

Date: 03/03/2022

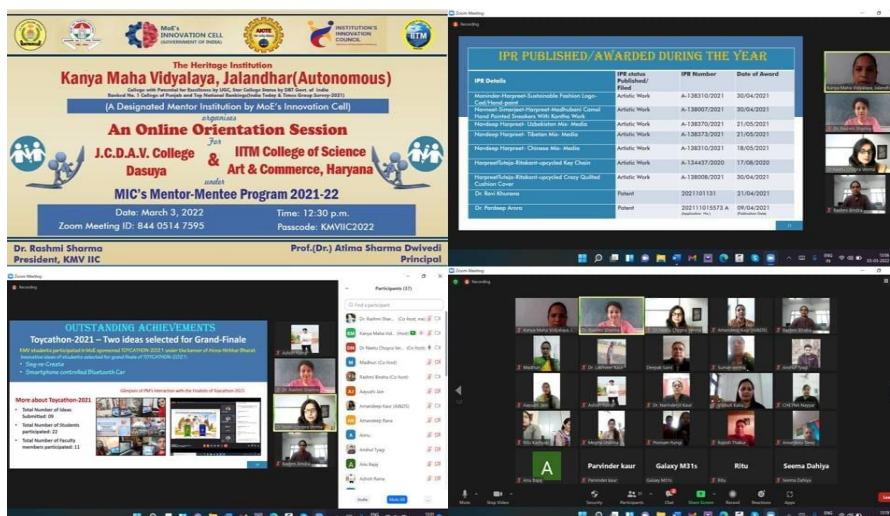
Students Participated: 39

Faculty Participated: 43

Report

KMV conducted online Orientation session with the students and faculty of Orientation Session for J.C.D.A.V College, Dasuya & IITM College of Science, Art & Commerce, Haryana under MIC's Mentor - Mentee Program on 03-03-2022. During this session, Dr. Rashmi Sharma (President, KMV-IIC) and other members of KMV-IIC interacted with the students and faculty of the mentee institute. The aim of the session was to apprise the mentee institute with the innovation and entrepreneurial ecosystem. The participants were acquainted with the knowledge regarding various innovative and entrepreneurial initiatives and achievements of students and faculty of KMV. Vision and mission statement of KMV-IIC, its infrastructure, successful Start-ups of students, IPR published/awarded during the year, Innovation Ambassador Etc. were the points discussed during the session.

Further the mentee institution was encouraged to develop networks with experts and to make inter-institutional collaborations and resource mobilisation. Also, the future course of action and various issues concerning planning, organising and conduct of activities at mentee institutions were discussed.



40. Disha-2022 (An Idea Hackathon)

Date: 10/03/2022

Students Participated: 150

Faculty Participated: 10

Report

Kanya Maha Vidyalaya, Jalandhar an autonomous and heritage institution has always stressed upon innovations in science education for enabling smart and inclusive growth of students. Department of Sciences, Kanya Maha Vidyalaya, Jalandhar in association with KMV's Institution Innovation Council is constantly working in the directions of imparting science education through innovative teaching methodologies. Department of Sciences inculcates scientific temperament among students and also supports them to showcase their innovative ideas at competitive level. In this regard an inter-department hackathon named "Disha -2022" was organized on March 10, 2022. Hackathon was organized to boost the innovation culture among budding innovators and to further establish the idea-sharing, effective collaboration and creativeness driven by enthusiasm towards a shared goal Disha- 2022 witnessed wide physical participation of 25 teams comprising of 150 participants from the institution. Hackathon pooled various innovative ideas to solve several society based problems like Disposal of used masks, Laser Security, Power crisis, touchless sanitizers, touchless attendance systems etc.

The aim was to develop adaptable, creative and motivated individuals who can take responsibility for their own learning and also work effectively in team for the betterment of the society. Overall, Hackathon has got enthusiastic all-round participation, raising the creativity barometer to new heights. Principal Dr. (Prof.) Atima Sharma Dwivedi congratulated students for taking such innovative initiatives. She said science is the application of existing scientific knowledge to practical world, like technology or inventions.



41. Workshop on ‘The Basics of Patent’

Date: 10/03/2022

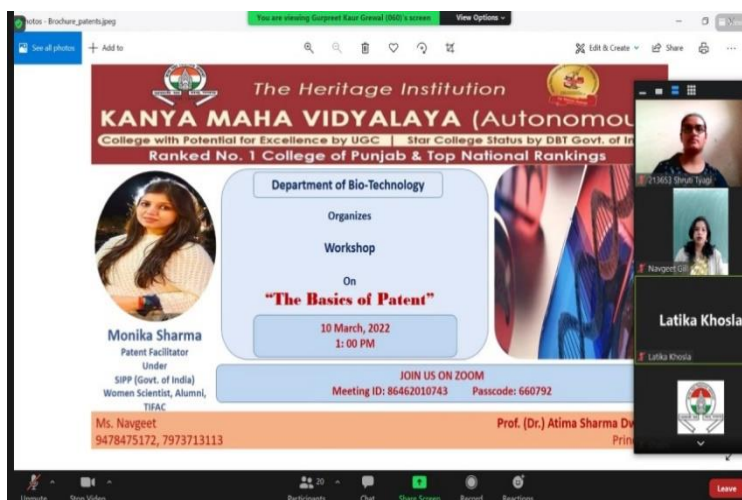
Students Participated: 40

Faculty Participated:12

Report

Department of Bio-Technology organized a workshop on “The Basics of Patents”. Dr. Gurpreet Kaur Grewal presented a formal welcome note for the resource person. Ms. Monika Sharma started her talk mentioning the power of Patent. She talked about Ms. Kiran Mazumdar, who prepared recombinant insulin with *Pichia* yeast. Kiran Mazumdar is Indian Business woman who is chairman of Biocon India. She gave her example to students to be like her. She said we need patents as a commercial tool to stop anyone from copying your idea.

She discussed types of patent applications including Provisional application, complete application, Divisional application and Patent of Addition. She discussed patentable and non-patentable things also. She talked about Trademarks, Trades secrets and Copyrights in detail. She explained every single step for filing a patent application. She concluded her talk by guiding students that how they can prepare for Government Patent Examinations. Ms. Navgeet, Assistant Professor and Head, Department of Bio-Technology gave formal vote of thanks. Prof. (Dr.) Atima Sharma Dwivedi, Principal Kanya Maha Vidyalaya, Jalandhar praised the Department of Biotechnology for organizing such kind of knowledge filled workshops for students. She added faculty members should keep on organizing such activities for the overall development of students.



42. Interactive Session with Successful Start-up Founder

Date: 12/03/2022

Students Participated: 57

Faculty Participated: 18

Report

Institution's Innovation Council at Kanya Maha Vidyalaya (KMV), Jalandhar is committed and dedicated to organize various activities to promote entrepreneurial and innovative culture among the students and faculty. In keeping with this trend, KMV IIC in collaboration with PG Department of Commerce and Business Administration organized "Interactive Session with Successful Startup Founder" on March 12, 2022 for the students. The whole objective of this interactive session was the creation of awareness for entrepreneurship, innovation and leadership among the students. The guest speaker of this webinar was Ms. Subha Sharma, Owner, The Chocolate Room, Urban Estate, and Jalandhar. She spoke about her entrepreneurial journey, her background and the challenges faced. She explained that she transformed challenge into opportunity by starting home delivery during pandemic period.

Ms. Subha Sharma asserted that an individual needs to learn and sharpen his or her entrepreneurial skills to become a successful entrepreneur. Besides, an individual must also have good personal qualities demanded to become a successful entrepreneur. The examples of the entrepreneurial traits are full of determination, not afraid to take risk, prominent level of confidence, craves learning, understands failure is the part of the game, highly adaptable, good understanding of money management, expert in networking and ability to sell and promote. All queries were answered through Q&A session. The Session was informative and inspired students to create motivational mindset.



The image shows a Zoom meeting interface. On the left, a presentation slide is displayed with the following text:

The Heritage Institution
KANYA MAHA VIDYALAYA (Autonomous)
College with Potential for Excellence by UGC
Star College Status by DBT, Govt. of India
Ranked No. 1 College of Punjab and Top National Ranking (India Today Survey-2021)

INSTITUTION'S INNOVATION COUNCIL

in association with
P.G. Department of Commerce & B. Administration
Organises
Interactive Session with Successful Start Up Founder

Guest Speaker: Ms. Subha Sharma
Owner, Australia's The Chocolate Room,
Urban Estate, Jalandhar

Date : March 12, 2022
5:00 pm

Principal:
Prof. (Dr.) ATIMA SHARMA DWIVEDI
Official Website:
www.kmvjalandhar.ac.in

At the bottom of the slide, it lists: Dr. Rashmi Sharma (President, KMV IIC) and Mrs. Ritu (Social Media Coordinator, KMV IIC).

On the right side of the Zoom interface, there is a video gallery showing several participants. The name 'Subha' is visible at the bottom of the gallery, indicating the guest speaker's video is on.

43. Three Days Workshop on IPR and IP Management for Start-ups

Date: 11/03/2022, 12/03/2022 & 14/03/2022

Students Participated: 96

Faculty Participated: 50

Report

KMV Institutions innovation council (IIC) in collaboration with P.G. Department of Chemistry and IQAC, Kanya Maha Vidyalaya, Jalandhar–The Heritage and Autonomous institution organized Three day Online National Workshop on “IPR and IP Management for Startups”.

The resource person for Day one was Dr. T. Pavan kumar, Senior Scientist, CSIR-IMMT, Bhubaneswar, and Odisha. 50 faculties including members of IIC from five mentee institutions (G.H.G. Institute of Law, Ludhiana; J.C.D.A.V College Dasuya; Lakshmi Narayan College of technology Excellence, Bhopal; IITM college of Science, Arts and Commerce, Haryana and Government College, Ropar) and 96 students participated across the country. Dr. Pavankumar enlightened the students regarding introduction, importance and types of IPR. The resource person for Day three was Dr. Seema, Scientist, CSIR-IPU, and New Delhi. Her lecture focused on Patent Structure and Filing Process. She explained basic criteria of patentability and also written/oral disclosures. She clearly mentioned the topics which are patentable and which don't come under it along with their section IPC. Additionally, she explained the detailed process of patenting.

The workshop was followed by fruitful interaction with the students. The lecture was very well received by the students. Dr. Manju Sahni, Head of PF Department of Chemistry extended her vote of thanks. Principal Prof. (Dr.) Atima Sharma Dwivedi thanked all resource persons and also appreciated the endeavor taken by the KMV (IIC) in collaboration with P.G. Department of Chemistry and IQAC adding that it should be a regular feature in the curriculum.

The screenshot displays a Zoom meeting interface. On the left, a slide titled "TPKs Background/Experience" is shown, detailing the professional achievements of Dr. T. Pavan Kumar. The slide is organized into several categories:

- Papers = 22**: Corresponding Author = 11, Others = 11.
- Research**: Includes "New Process Development (Lipid Acids)", "Industrial Projects (Nanotech, Ethanol)", "DST INSPIRE (35 Lakh)", "SERB-F TSY OR LAKH", and "INAE project on IP Trends".
- Publications**: A central category with arrows pointing to "Papers", "Research", "Patents", "BD", "IP", "Academic", and "Awards".
- Patents = 34**: Granted = 19 (2 US, 8 EP, 3 IN, 1 CN), Published = 12 (4 IN, 5 WO, 3 EP).
- Projects**: Includes "WIPO Scholarship-2016", "First TAS VS Award-2015", "Visiting Scholar to USA-2015", "APSS Associate Fellow-2014", "DST-SERB Young Scientist-2014", and "DST-INSPIRE Faculty Award-2012".
- BD (Business Development)**: Includes "Liaison/Client Management", "Agreements Technology Transfer/ Know-How", "Process/Tech nology Cost Estimation", and "Lab to Market Blue Print".
- IP (Intellectual Property)**: Includes "IPR Awareness/promotion", "Acadmic Classes on STI & IP", "Patent Search/Analysis/ Drafting", "Patent Filing/processing aspects", "IP Internal & External Support", and "IP Knowledge Enhancement/ Sharing".

On the right side of the screen, a grid of video feeds shows several participants, including Prof. Atima S., Dr. Nandini K., Navneet Kaur, Gurwinder Singh, Arvinder Kaur, and Dr. Rajni S. The Zoom interface at the bottom includes controls for mute, video, chat, and screen sharing.

44. Seven days Entrepreneurship Development Camp

Date: 12/03/2022-18/03/2022

Students Participated: 12

Faculty Participated: 02

Report

Students of B. Voc. Hospitality and Tourism organized food stalls and sold food items to the students in the campus.

1. **Day 1:** students were pontificated for developing an entrepreneurial mindset. At the last of lecture students were assigned task to make a list of food dishes that are liked by the students in the campus.
2. **Day 2& 3:** Students have surveyed with a list of 20 food items and concluded that 12 food dishes from the list are most liked food dishes by the girls in the campus.
3. **Day 4:** Out of 12 surveyed food dishes 4 dishes were selected with the help of supervisors (professors) to be cooked and set stalls for sale in the campus. These dishes were:

Pizza Rajmah rice Shakes Cold Coffee

4. **Day 5:** Students listed down the food items and other materials required for the event day. The students were divided into teams and assigned with specified tasks lined to setting food stalls in the campus (setting of stalls, coordinating with the departments like engineering and maintenance).A group of students was sent to the market under the supervision of a college Professor for selecting and purchasing food raw materials, disposables and other required items for the event day.
5. **Day 6:** All the menu dishes were cooked partially (mise-en-place) in the food production labs by the students under the keen supervision of Chef Ashish Raina (food production faculty). Portion sizes and Food prices were as per thumb rules. Food stalls were set in the campus and food was sold to the students in the central lawn.
6. **Day 7:** Profit loss statement was made to make students understand the business statics and the points to focus while setting business ideas into actual field work.



45. Workshop on "How to Plan for Start-up and Legal & Ethical Steps"

Date: 16/03/2022

Students Participated:51

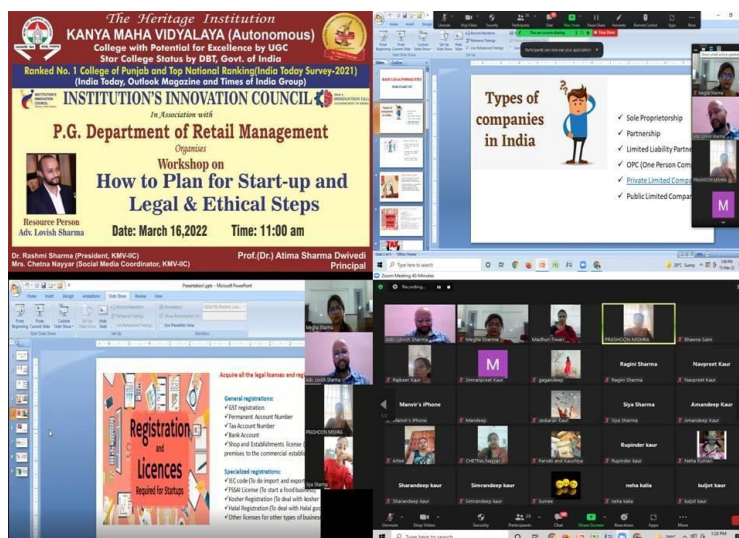
Faculty Participated:06

Report

One-day workshop on " How to Plan for Start – Up and Legal & Ethical Steps "was organized by Institution's Innovation Council of Kanya Maha Vidyalaya, Jalandhar in association with Department of Retail Management on 16 March, 2022.Theguest speaker of the event was Advocate Lovish Sharma having vast experience of dealing with registration of start-ups composing of proprietorship, partnership, Limited Liability Partnership (LLP), One Person Company (OPC),licensing of start-ups, protection of Intellectual Property Rights and other legal cases related to start up.

This workshop aimed at understanding the importance of developing the appropriate research skills to evaluate the financial viability and feasibility of these start up along with understanding the legal and ethical issues concerning start up to become good entrepreneurs.

He guided students to have faith in themselves and in their goals which would help them to achieve their dreams. To motivate students, he quoted examples of successful entrepreneurs how they overcame challenges in their entrepreneurial jouneys.



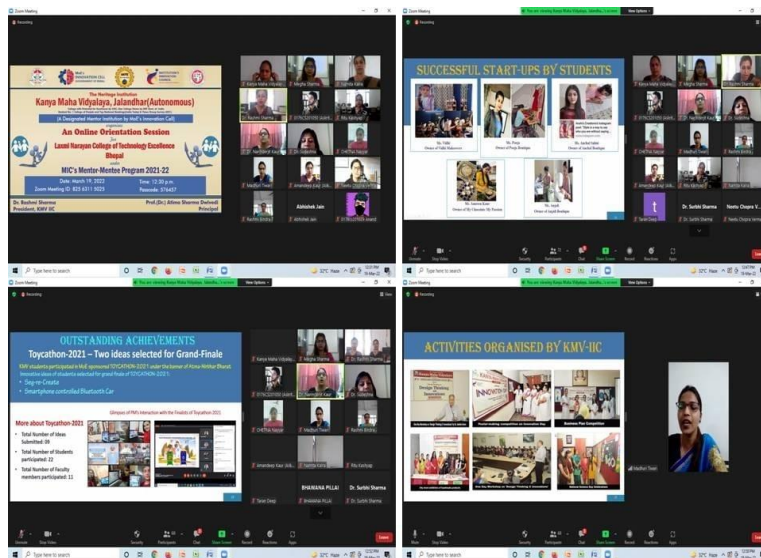
46. Orientation Session for Laxmi Narayan College of Technology Excellence, Bhopal under MIC's Mentor - Mentee Program.

Date: 19/03/2022

Students Participated: 35

Faculty Participated: 44

Under the Mentor-Mentee Programme, KMV conducted online Orientation session with the students and faculty of Laxmi Narayan College of Technology Excellence, Bhopal on 19-03-2022. During this session, Dr. Rashmi Sharma (President, KMV-IIC) and other members of KMV-IIC interacted with the students and faculty of the mentee institute. The participants were acquainted with the knowledge regarding various innovative and entrepreneurial initiatives and achievements of students and faculty of KMV. Further the mentee institution was encouraged to develop networks with experts and to make inter-institutional collaborations and resource mobilisation. Also, the future course of action and various issues concerning planning, organising and conduct of activities at mentee institutions were discussed.



47. Workshop on Weaving Techniques in Handloom

Date: 02/03/2022

Students Participated: 18

Faculty Participated: 02

Report

Students were able to get knowledge about the parts of handloom. Participants tried their hands at weaving on the handloom and got hands-on experience. Expert taught them about the processing of fabric weaving. They also gained knowledge how to maintain the handloom while not in working mode. Under the guidance of experienced weaver, the students learned everything from winding a warp, dressing a loom and threading needles to reading and tying a warp. During workshop, each student was assigned a project so as to practice creating patterns on different material.



48. World Health Day Celebration

- Awareness Camp on Food adulteration to celebrate World Health Day

Date: 02/03/2022

Students Participated: 70

Faculty Participated: 25

Report

KMV IIC in collaboration with P.G. Department of Chemistry, Kanya Maha Vidyalaya (The Heritage and Autonomous Institution), Jalandhar organized social awareness Camp on Food adulteration at Government Senior Secondary School, PAP Jalandhar on 7th April 2022 to commemorate “World Health Day” with an aim to bring a general awareness about the adulterations of food products, motivate and inspire everybody to have a healthy, balanced diet. KMV Chemistry NINJAS team under the able guidance of Dr. Manju Sahni, Dr. Narinderjit Kaur & Ms. Ravneet Saini interacted with 70 students and 15 faculty members, clearly mentioning about the adulterants, checking their presence and the harm these adulterants cause to the human being.

P.G Dept of Zoology of Kanya Maha Vidyalaya, Jalandhar organised an expert talk on “World Health Day” by Ms. Loveneh Joshi a clinical dietician and Nutritionist. She started her lecture by giving overview of nutrition for women and adolescent girls and raised awareness on ongoing health issues Principal Dr. Atima Sharma Dwivedi congratulated the faculty of Chemistry & Zoology for successfully organizing such a meaningful activity and involving the students actively in the drive and making them more conscious and aware about their health.



49. Innovative & Sustainable Fashion Show 2022 By KMV Budding Entrepreneurs

Date: 02/03/2022

Students Participated: 150

Faculty Participated: 10

Report

A fashion show SUKRITI 2022 was organized by the P.G. department of Fashion Designing. During the activity students learned to construct fabric with traditional screen printing, vibrant colored threads and hand embroidery. Students showcased their talent to represent fashion outfits which reflect the perfect blend of new ideas and traditional values which our generation owns. Fashion show helped the students in creating interest and spread awareness about new arrivals in design and style. Our students created prototype outfits with new experiments and innovation. They prepared western, Traditional, formal and semi-formal outfits with bold and beautiful colours to showcases balance between formal and elegant look. They played with different kinds of silhouettes and styles. On the other hand, the students worked with hand-painting to revive the Indian traditional art. Fashion show also helped them to know about fashion marketing, fashion trends, coordinate sales and promote goods. In the fashion show, confident models with good height and looks, were KMV students. They all wore tasteful garments in wonderful colors and fabrics. Students got an opportunity to attain lot of skills and learned several useful things out of the show.



50. Inter-College Quiz Competition on Innovation and Entrepreneurship

Date:16/04/2022

Students Participated: 67

Faculty Participated: 08

Report

The participants were able to -

*Look beyond their textual knowledge and establish a relationship between theory and application of the learned concepts.

*Learn a wide set of skills and enhanced their confidence.

*Drive home the important facts that will enable them to take on higher stakes in the future.

To promote entrepreneurial and innovative spirit among students, KMV IIC under the flagship of MIC conducted Inter-College Quiz Competition on 'Innovation and Entrepreneurship 'on April 16, 2022.It was a two-stage competition that covered a vast range of areas from trade, commerce, entrepreneurship, and management to innovation in the business world. There was a great zeal and enthusiasm among the participants and audience as well. Around 12 colleges registered for the inter-college quiz competition.

Stage I comprised of screening tests for selecting the four teams for the final round to be conducted in Stage II of the quiz competition. The quiz continued with seven rigorous rounds covered under stage II. It was a tough contest and even included a rapid-fire, audio and visual round.

Kanya Maha Vidyalaya, Jalandhar emerged the winner with 130 points, DAVIET, Jalandhar bagged the second position with 97.5 points, and Hans Raj Mahila Vidyalaya, and Jalandhar came close to the third position with 95 marks.



51. Inter-College Poster Making Competition on ‘START-UPS: A BOOST TO INDIAN ECONOMY’

Date: 16/04/2022

Students Participated: 32

Faculty Participated: 16

Report

BENEFITS: The event-

*Facilitated team work and understanding along with facilitating creative thinking and extensive research

*Provided basic information and easy updates on an issue/process/project.

*Raised awareness of issues and participation programs.

A poster speaks for itself. The aim was to provide students with an opportunity to learn by doing, in turn strengthening the learning. The students are able to visually represent the key points and while presenting elaborate on the same which facilitates retention and recall of events and facts.

There was a great zeal and enthusiasm among the participants and audience as well.

GNA University, Phagwara emerged the winner and bagged the first position, APJ College of Fine Arts, Jalandhar bagged the second position, and there was a tie in the third position bagged by Hans Raj Mahila Vidyalaya, Jalandhar and SD College, Jalandhar.



52. An Inter-college Business Plan Competition on “Innovative Start-ups: Dare to Develop”

Date: 16/04/2022

Students Participated: 18

Faculty Participated: 22

Report

Institution’s Innovation Council at Kanya Maha Vidyalaya (KMV), Jalandhar is committed and dedicated to organize various activities to promote entrepreneurial and innovative culture among the students and faculty. In keeping with this trend, KMV IIC in collaboration with PG Department of Commerce and Business Administration organized an **inter-college Business Plan competition “Innovative Startups: Dare to Develop”** on April 16, 2022 for the students. The whole objective of this competition was the creation of awareness for entrepreneurship, innovation and leadership among the students. The judges for this competition were Dr. Suman Khurana and Dr. Neetu Chopra. 11 teams (18 students) enthusiastically participated in this competition.

Participants showed their entrepreneurial ideas through PowerPoint presentation inclusive of components like, product or services, marketing strategy and analysis, financial planning and a budget. A Q&A session followed each presentation where judges asked the participants regarding their business plan. Bhavya, Jasmine & Parag of Apeejay College won the 1st prize, Jyot Sifat Kaur of HVM won the 2nd prize and Kashvi & Nancy of DAVIET begged the 3rd prize. Consolation Prize was won by Ginni Sharma of S.L. Bawa DAV College, Batala. The competition was informative and inspired students to create motivational mindset of having their own ventures.



53. Workshop on “Explore Creative you” to celebrate World Creativity and Innovation Day

Date: 21/04/2022

Students Participated: 120

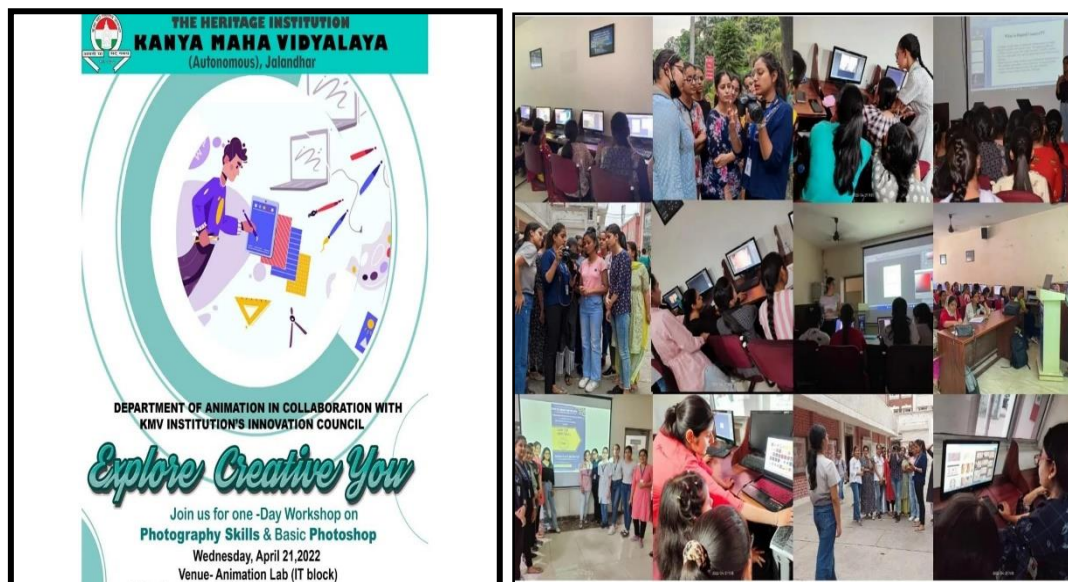
Faculty Participated: 04

Report

The objective of the event was to give students opportunity to explore their creative side. As the event commences the students attended a workshop where they were exposed to various creative techniques of various angles and shots in photography and how these shots can be creatively used for coming out with compelling output.

The students then were accompanied by a mentor and an assignment to complete during a given time period.

The participants thoroughly enjoyed the process of learning and application of photography and designing techniques and coming out with creative and compelling designs.



54. World Earth Day Celebration

- **Slogan Writing Competition**
- **Rangoli Making Competition**
- **Poster Making Competition**

Date: 22/04/2022

Students Participated:200

Faculty Participated:05

Report

To raise awareness about the environment and the global commitment to make the planet better P.G Department of Physics, Kanya Maha Vidyalaya, Jalandhar in association with KMV IIC organized World's Earth Day on April 22, 2022. Earth Day is celebrated around the world in different ways, but with the overall theme of creating awareness and educating people about preserving our resources. Event was then preceded with presentations followed by discussions by KMViets to emphasis the alarming need to save the mother earth. Students elaborated that climate change will have a dramatic effect on natural environments, plants and animals, leading to acceleration in biodiversity loss in some areas. Event has got enthusiastic participation from mentee institution Government College, Ropar also. She emphasized that every individual should contribute towards sustainable environment. She emphasized that at least one day in the month should be fixed in which none of the students and staff should bring any product of plastic. Overall, the event was successful in spreading awareness about alarming climatic conditions.



55. Exposure and Field Visit to National Physics Laboratory, New Delhi

Date: 22/04/2022

Students Participated: 15

Faculty Participated: 02

Report

Kanya Maha Vidyalaya (Autonomous) organized an educational visit for post graduate students of Physics to National Physical Laboratory at Delhi. P.G. Department of Physics in collaboration with KMV IIC inculcates scientific temperament among students by organizing educational visit to latest laboratories of national repute. Field trips **provide huge practical experience and theoretical knowledge in different circumstances**. It helps in improving the skills, growth and scientific development of student. During this visit, students were acquainted with thin -film lab which is preparing 2D structure of Graphene and dealing with Nano materials. They visited other labs where work on luminescent materials, bioluminescent materials, security ink for currency notes is going on. In another lab where calibration and testing of devices for measurement of weights, forces, pressure and torque was being done wasp also shown to the students. Students were thrilled to see the maintenance of Standard Time of India known as IST in one of the labs. After the visit to this prestigious institution, students also visited India Gate, Rashtrapati Bhavan, and Gurudwara Bangla Sahib along with faculty members and got the glimpses of rich heritage of India. Principal Prof. Atima Sharma Dwivedi lauded the efforts of PG Department of Physics for successfully organizing the visit.



56. Two Day Workshop on Food Costing and Cooking for Start-up

Date:22.04.2022 to 23.04.2022

Students Participated:20

Faculty Participated:05

Report

Main Report: The Two Days Long Hands-on Workshop on Food Costing and Cooking for Start-up was organised for the students of B. Voc. Hospitality and Tourism.

1. The students of Hospitality and Tourism have searched and selected dishes from North Indian cuisine and South Indian cuisines.
2. The selected dishes were discussed for its popularity, recipes and methods of cooking.
3. The costing of the food dishes was calculated beforehand.
4. The students have penned down the recipes and brought the raw materials for final cooking on 23rd April 2022 (funded by the college).
5. The students have cooked food dishes from North India and South India

North Indian Food Dishes

- Dal Makhani
- Laccha Prantha
- Panner Butter Masala
- Zeera Rice
- Raita

South Indian Food Dishes

- Uttapam
- Sambar
- Lemon Rice
- Dosa
- Coconut Chutney

6. The food was presented in the form of a buffet and it was offered to the students in the campus.



57. Workshop on “Idea to startup”

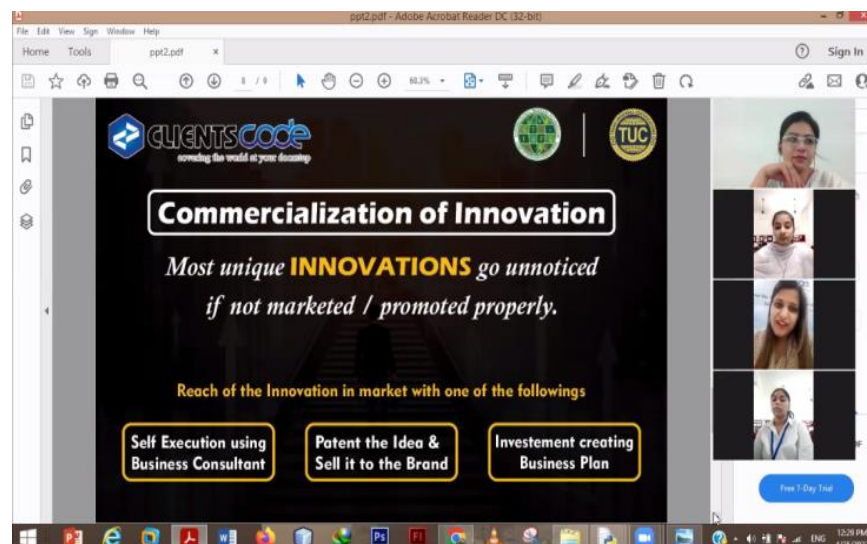
Date:25/04/2022

Students Participated:200

Faculty Participated:05

Report

The session on the topic ‘Idea to Start-up’ was conducted by Ms. Leena Chhabra, Entrepreneur, Director and co-founder, Clients Code, Jalandhar on April 25, 2021. It was a knowledge packed session where the resource person interacted with the students and shared life story of starting a business development company Clients Code. She primarily focused on the criteria of Innovation development, Idea generation and Opportunity evaluation. She highlighted that passion, curiosity, divergent thinking and creative energy are various important factors of idea generation. Also, having in-depth and tangible understanding of who your competitors are, and how your idea is different from others in the market, will help in making the innovation sustainable and scalable. Ms. Chhabra discussed the concepts of SWOT analysis, risk assessment, competitive position, market viability and improvement cycle in detail, along with real life examples. Further on, she made participants aware about the importance of marketing the innovation. It was a fruitful session. After learning his successful entrepreneurial story, the participants were highly motivated that Entrepreneurship could be a New Frontier for women.



58. World IPR Day Celebration

- **National Level Poster Making Competition**

Date: 26/04/2022

Students Participated: 60

Faculty Participated: 15

Report

PG Department of Chemistry is a dynamic center for the research at the frontiers of Chemical Science. The aim of the department is to enlighten the students with scientific attitude, practical skills and confidence for their holistic development. The department has strong records of organizing various informative and interactive activities for the overall development of the students. Ms. Ridhi Salotra is a Marie-Curie early-stage researcher at Queens University, UK. She gets involved with an equitable opportunity as a Staff-member under Marie Curie grant. She emphasized that there are mainly three pathways like chemistry, physics and maths but students can have infinite number of opportunities from each of them. All the students and faculty members were mesmerized by the end of this event. The students were astonished with her knowledge and communicative skills. She has also shared her contact details with the participants for any help in research. Dr. Manju Sahni, Head of the Department appreciated Ms. Ridhi Salotra for such a valuable talk and wonderful virtual tour. Prof. (Dr.) Atima Sharma Dwivedi applauded the efforts of PG Department of Chemistry for organizing such events where students can have virtual access of state-of-the-art research lab. She encouraged us to touch new heights of success by organizing such creditable events in regular feature.



59. IPR Awareness Program under NIPAM

Date: 28/04/2022

Students Participated: 250

Faculty Participated: 80

Report

Department of Science of KMV & Institution Innovation Council (KMV-IIC) in collaboration with Ministry of Education's Innovation Cell (MIC), AICTE, Department of promotion of industry and internal trade, Indian Patent Office (IPO) organized online talk on IP rights under National IP awareness Mission event program on the occasion of World IP Day during the IP literacy week celebration under the Kalam Program for Intellectual Property Literacy and Awareness Campaign (KAPILA) on April 28, 2022 from 1pm to 3pm. Ms. Shally Choudhary, Examiner of patents, Indian Patent Office, Delhi was the resource person for the session. Dr Neetu Verma, Coordinator and Vice President-KMV-IIC, gave formal welcome to resource person. Prof. (Dr) Atima Sharma Dwivedi, Principal KMV, Jalandhar welcomed the resource person and asserted the importance of innovation and IPRs in today's world. Averted that the present event will act as a platform for the students to be aware about various types of IPRs. Ms. Choudhary gave introduction to concept of intellectual property rights and mentioned various types of intellectual property rights- Patents, Designs, Trademark, Copyright, Semiconductor integrated circuit layout designs (SICLD), Geographical indications. Registration is important for each IP is important. Mrs. Parminder Cheema, Vice Principal and Head of PG department of Physics, presented vote

of thanks The College is striving ceaselessly to maintain its standards of excellence by fostering an environment of endless opportunities and inculcating the spirit of creativity and innovation to students.



60. Live Interaction and Virtual Tour of state-of-the-art research labs from Queens University, UK.

Date: 28/04/2022

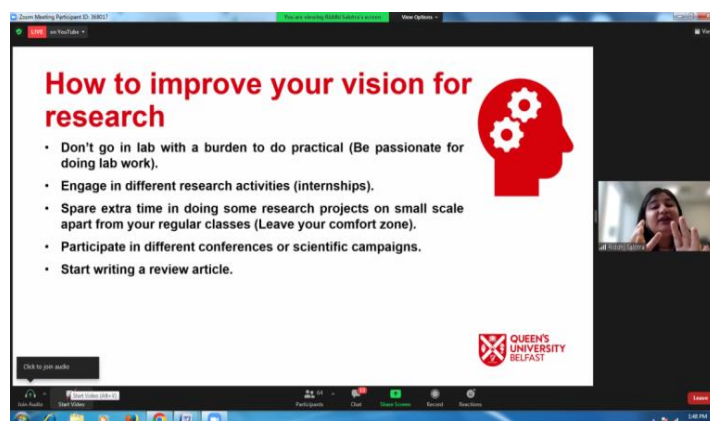
Students Participated: 250

Faculty Participated: 80

Report

The IIC in collaboration of Chemistry department organized KMV INTERNATIONAL SERIES on the topic 'Developing Research Ethics for the better future' in online mode via Zoom. The event was live streamed on you tube with participation of 75 students and 12 faculty members of PG Department of Chemistry. Ms. Ridhi Salotra from Queens University, UK was invited as the resource person.

All the students and faculty members were mesmerized by the end of this event. The students were astonished with her knowledge and communicative skills. She has also shared her contact details with the participants for any help in research. Dr. Manju Sahni, Head of the Department appreciated Ms. Ridhi Salotra for such a valuable talk and wonderful virtual tour. Prof. (Dr.) Atima Sharma Dwivedi applauded the efforts of PG Department of Chemistry for organizing such events where students can have virtual access of state-of-the-art research lab. She encouraged us to touch new heights of success by organizing such creditable events in regular feature.



61. Three days Food Innovation and Product Development Workshop

Date: 06/05/2022-08/05/2022

Students Participated: 12

Faculty Participated: 02

Report

A three days' workshop on food innovation and product development was organised for the students of B.Voc. Hospitality and Tourism.

1. **Day 1:** students were pontificated for developing an innovative mindset for developing new food products for college canteen. At the last of lecture students were assigned task to submit individual innovative dishes with reference to the economically simple preparation.
2. **Day 2:** Students have come up with a list of 12 food dishes. Students were asked to cook these dishes in the food lab under the supervision of the Professor in-charge (Ashish Raina).
3. Out of 12 students 3 students were able to cook the food dishes into actual products as:
 - I. *The multi grain shake @100/glass*
 - II. *The bread Pizza @50/ piece*
 - III. *The Corn cheese samosa@30/piece*
4. Out of the three items, only bread pizza was analyzed as a suitable product as per price and its assembly.

5. **Day 3:** On day three, bread pizza was prepared in the college canteen and with its overwhelming response among the students the item was introduced in the daily menu and it's still getting served in the college canteen.



62. National Technology Day on “Integrated approach in science and technology for Sustainable Future”

Date: 11/05/2022-13/05/2022

Students Participated: 12

Faculty Participated: 02

Report

To promote entrepreneurial and innovative spirit among students, KMV IIC under the flagship of MIC conducted Creative writing Competition, Innovative learning by doing, and Slogan writing competition on the theme ‘**Integrated approach in science and technology for Sustainable Future**’ on May 11-13, 2022.

Students gave an idea that everyone can fly virtually to any country in the world without any trouble, 2050 will be the year of robots and Robots can take on the more difficult, dangerous and dull jobs to save mankind the trouble and risk. Students put their ideas on Gesture based computing, Wearable screens, Nanobots that check your health etc.



63. Workshop on ‘Business Model Canvas’

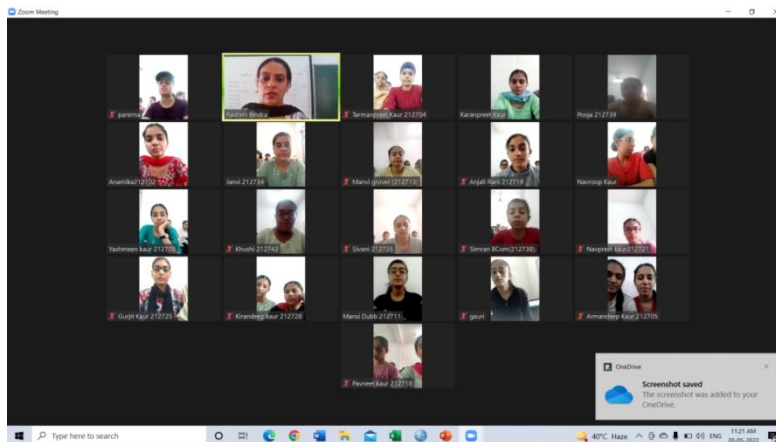
Date:20/05/2022

Students Participated:104

Faculty Participated:18

Report

The session ‘Workshop on Business Model Canvas’ held on May 20th, 2022 was an initiative taken by Ms. Rashmi Bindra (Internship Coordinator, KVM IIC and Innovation Ambassador). The session emphasized on the concept of business model canvas and its practical application in business houses. The students were able to understand the importance of adoption of business model canvas by the business houses. The model was explained in detail by focusing on all the nine blocks. The nine blocks discussed in detail were Customer segments, Value proposition, Channels, Customer Relationships, Revenue Streams, Key resources, Key Activities, Key Partners and Cost Structure. Ms. Rashmi Bindra highlighted the importance of Business Model Canvas by illustrating the case of Kelly’s Lemonade Stand. The session ended with question-answer session and students found the session to be very interesting and informative.



64. KMViets challenged India's innovative minds at TOYCATHON-2022

Date: 20/05/2022 to 24/05/2022

Students Participated: 104

Faculty Participated: 08

Report

Kanya Maha Vidyalaya, Jalandhar an Autonomous and Heritage institution has a culture of inculcating innovative minds among its students. Recently KMViets have developed a prototype on futuristic driverless car. Just an oral or a written command to the vehicle interface will take us to our destination. This innovative idea of students of Kanya Maha Vidyalaya, Jalandhar has got selected in TOYCATHON-2021. Under the 'Aatmanirbhar Bharat Abhiyan' initiated by our Hon'ble Prime Minister, Shri. Narendra Modi, Toycathon-2021 is conceived to challenge India's innovative minds to conceptualize novel Toy and Games based on Bhartiya civilization, history, culture, mythology and ethos.

Physical edition of Grand finale Toycathon 2022 was conducted by Ministry of Innovation Council with support from All India Council for Technical Education on 24th to 26th May 2022 at total five centres all over the India. Overall, this was a great exposure for students as well as faculty members.

Principal Prof. (Dr.) Atima Sharma Dwivedi congratulated KMV team of Toycathon-2022 for getting shortlisted among India's top innovative minds and boosted up the team to make the product commercially available.



65. Workshop on Start-up and Entrepreneurship Skills

Date: 27/05/2022 to 28/05/2022

Students Participated: 41


Faculty Participated: 12

Report

The two days long hands-on workshop on start-up and entrepreneurship skills for the students of Home Science and Hospitality and Tourism.

The participants in the workshop were the students of cooking science as a part of their degrees at the institution. The students were briefed well about the requirements to start a food selling business with minimal investments.

- The students selected the food dishes with their choice and convenience under the guidance of faculty members
- The selected dishes were discussed for their popularity, recipes and methods of cooking.
- The costing of the food dishes was calculated beforehand.
- The commercial aspect to sell the dishes was also discussed in the groups.
- The students have cooked food dishes from North India and South India
- The food was sold to the students by setting stalls in the campus ground.
- The participating students have learnt to cook, sell and calculate the gross profit and net profit out of the start-up workshop.

 *The Heritage Institution*
Kanya Maha Vidyalaya (Autonomous)
College with Potential for Excellence by UGC Star College Status by DBT, Govt. of India
Ranked No. 1 College of Punjab & Top National Rankings
(India Today, Outlook Magazine & Times of India Group-2021)

“COOK AND SELL”
A WORKSHOP ON START-UP AND
ENTREPRENEURSHIP IN FOOD BUSINESS

RESOURCE PERSON - CHEF ASHISH RAINA
27th and 28th May, 2022

Dr. Rashmi Sharma
Director, KMV IIC

Prof. (Dr.) Atima Sharma Dwivedi
Principal, KMV