

National Exposure

Under DBT STAR STATUS

Session 2022-23

Department of Physics

Kanya maha Vidyalaya, Jalandhar

(An Autonomous & Heritage Institution)

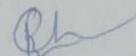
1. **KMViets shine at World's biggest open platform for the innovators or entrepreneurs of tomorrow to start today towards a smarter India: Smart India Hackathon**

<https://www.facebook.com/groups/529405914078969/permalink/1939270389759174/?mibextid=Nif5oz>

https://www.instagram.com/p/CsX9DKPOzp5/?utm_source=ig_web_copy_link&igshid=MmJIY2I4NDBkZg==

1. **Date of program:** 18 July, 2022
2. **Title/Theme of the Program:** To present innovative ideas towards smarter India
3. **Program for the benefit of:** Students to showcase their innovative ideas at competitive level.
4. **Objective:** To boost the innovation culture among budding innovators
5. **Total no. of participants:** 150 (25 teams)

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 KVMV's Institution Innovation Council is constantly working in the direction of imparting science education through innovative teaching methodologies. The Department of Sciences inculcates scientific temperament among students and also supports them to showcase their innovative ideas at competitive level. In this regard Intra College **Smart India Hackathon** named "Disha " 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 witnessed wide physical participation of 25 teams comprising more than 150 participants from the institution. **Hackthon** 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. Judges selected the best 15 ideas and selected ideas were submitted for **Smart India Hackathon** under the **Ministry of Innovation Council, Govt of India. Smart India Hackathon** is a nationwide initiative to provide students a platform to solve some of pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem solving. In **SIH**, the students would also have the opportunity to work on challenges faced within the private sector organisations and create world class solutions for some of the top companies in the world, thus helping the Private sector hire the best minds from across the nation. Our three innovative ideas Gripping Grammer, Laser Security Alert and Sag-re-create were selected under the mentorship of Dr. Neetu Verma (Physics), Dr. Narinderjit (Chemistry) and Dr. Surbhi (Physics) for Grand Finale of **SIH 2022**. The team members of selected ideas are (i) **Gripping**



Grammer : Haramanpreet Kaur, Lavleen Saini (ii) **Laser Security Alert** : Rushi Chambyal, Charu, Harjot (iii) **Sag-re-create** : Sandeep, Shruti, Arshdeep. **Principal Dr. (Mrs.) Atima Sharma** congratulated students and teachers for their remarkable achievement.



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4. KMViets setup innovation stall at 3rd regional meet of IIC institutions, Chandigarh University

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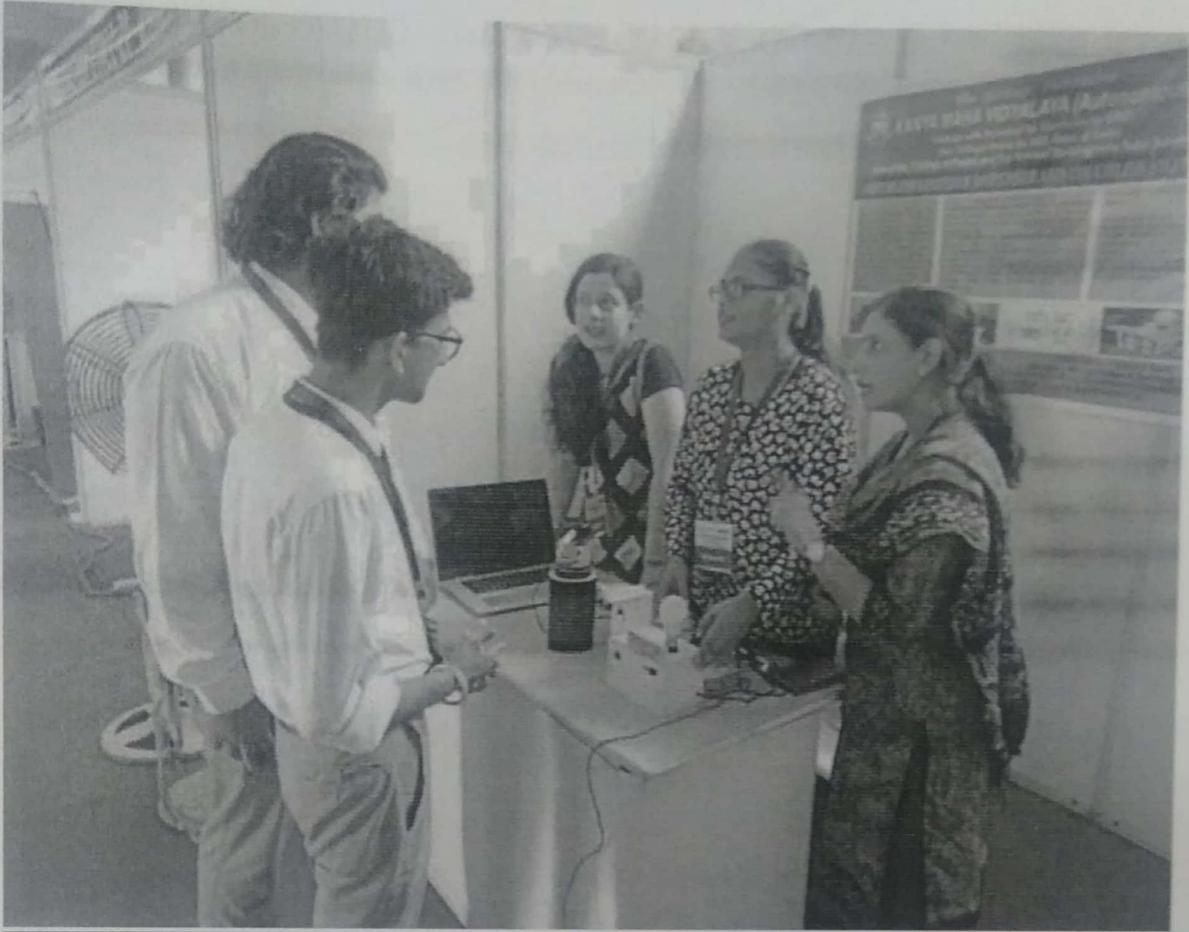
1. **Date of program:** July 26, 2022
2. **Title/Theme of the Program:** 3rd regional meet of IIC institutions
3. **Program for the benefit of:** Interaction with 10+ incubators, state agencies, IP firms and ecosystem enablers
4. **Objective:** To share various ideas on innovations
5. **Total no. of participants:** 3 (Including 2 faculty members and 1 student)
6. **Venue of the program:** Chandigarh University, Chandigarh

Two Faculty members and one student of P.G Department of Physics, Kanya Maha Vidyalaya, Jalandhar an autonomous and heritage institution got selected to set an innovation stall at the 3rd regional meet of IIC institutions from North-West Region (J&K, HP, UK, Punjab, Haryana, Delhi, Chandigarh UT) which was held at Chandigarh University on 26th July 2022. More than 450+ Faculty representatives from 270+ HEIs took part in this IIC regional meet along with 45+ Arts and Science colleges. 75+ innovations and 70+ IIC posters were also exhibited during the meet. More than 10+ incubators, state agencies, IP firms and ecosystem enablers from the state of Punjab and Haryana and Chandigarh were part of the round table discussion to strengthen their relation with educational institutions. Hon'ble Member Secretary, AICTE, Prof. Rajive Kumar had graced the occasion as Chief Guest. Prof Namita Gupta (HoD-CSE and IIC-MAIT President), Mr.Alok Sharma (IIC-MAIT Convener), Mr Anupam Kumar (MAIT IIC- Innovation activity coordinator) and Prof M. L. Sharma (HoD-IT and IIC Member) participated in the event.

Team of Kanya Maha Vidyalaya, Jalandhar set up an Innovation Stall. An automatic Hand Sanitizer dispenser prototype for touchless campus was exhibited in the stall. The innovative stall became an attraction for numerous participants from other institutions.

Prof. (Dr.) Atima Sharma Dwivedi, Principal Kanya Maha Vidyalaya, Jalandhar appreciated faculty and student to being selected for participation as well as presentation at IIC Regional Meet.





5. KMViets participated in 3rd regional meet of IIC institutions held at Chandigarh University on 26th July 2022

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- 1. Date of program:** July 26, 2022
- 2. Title/Theme of the Program:** 3rd regional meet of IIC institutions
- 3. Program for the benefit of:** Interaction with 10+ incubators, state agencies, IP firms and ecosystem enablers
- 4. Objective:** To share various ideas on innovations
- 5. Total no. of participants:** 6 (Including 5 faculty members and 1 student)
- 6. Venue of the program:** Chandigarh University, Chandigarh

Five Faculty members and one student of Kanya Maha Vidyalaya, Jalandhar an autonomous and heritage institution got selected to participate in the 3rd regional meet of IIC institutions from North-West Region (J&K, HP, UK, Punjab, Haryana, Delhi, Chandigarh UT) which was held at Chandigarh University on 26th July 2022. More than 450+ Faculty representatives from 270+ HEIs took part in this IIC regional meet along with 45+ Arts and Science colleges. 75+ innovations and 70+ IIC posters were also exhibited during the meet. More than 10+ incubators, state agencies, IP firms and ecosystem enablers from the state of Punjab and Haryana and Chandigarh were part of the round table discussion to strengthen their relation with educational institutions. Hon'ble Member Secretary, AICTE, Prof. Rajive Kumar had graced the occasion as Chief Guest. Prof Namita Gupta (HoD-CSE and IIC-MAIT President), Mr. Alok Sharma (IIC-MAIT Convener), Mr Anupam Kumar (MAIT IIC- Innovation activity coordinator) and Prof M. L. Sharma (HoD-IT and IIC Member) participated in the event.

During the event an impact lecture on IIC model, participatory approach, achievements and performance maximization through quality participation of HEI's was delivered by Sh. Dipan Sahu, Assistant Innovation Director. Followed by the impact lecture a round table interaction sessions on various topics like Engaging regional ecosystem enablers were conducted. Various knowledge sharing sessions were also organized like Visualizing and developing action plan for an I&E ecosystem, Benchmarking, measuring I&E ecosystem in HEI, Session on IP and Technology transfer. Overall the event was very interesting and updated faculty about the need for existing innovation policies.

Prof. (Dr.) Atima Sharma Dwivedi, Principal Kanya Maha Vidyalaya, Jalandhar appreciated faculty and students for being selected for participation as well as presentation at IIC Regional Meet.



Signature



The Heritage Institution
Estd. 1886

KANYA MAHA VIDYALAYA (Autonomous)

Re-accredited 'A' by U.G.C.-NAAC
"College with Potential for Excellence" by UGC
Under Star College Scheme by DBT, Govt. of India

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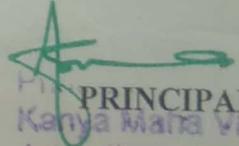
Ref. No. KMV/261
Date 25/07/2022

AUTHORITY LETTER

This is to certify that the following students are going to Chandigarh University for Taking part in IIC Regional Meet for the NWRO Zone and Orientation Session on YUKTI-National Innovation Repository (NIR) and ARIIA 2022 on 26-07-2022.

S.No.	Name	Class	Roll.No.
1.	Ms. Haramanpreet Kaur	B.Sc. Non-Med. Sem.-VI	215708
2.	Ms. Lavleen Saini	B.Sc. Non-Med. Sem.-	215710

Dr. Rashmi Sharma, Associate Professor in Commerce, Dr. Neetu Verma, Associate Professor in Physics, Dr. Surbhi, Assistant Professor in Physics, Mrs. Rashmi Bindra, Assistant Professor in Commerce and Ms. Arti Thakur, Assistant Professor in Animation will accompany the students.


PRINCIPAL
Kanya Maha Vidyalaya
Jalandhar



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)



INSTITUTION'S
INNOVATION
COUNCIL



CHANDIGARH
UNIVERSITY

Regional Meet
Institutions' Innovation Council
MoE's Innovation Cell

Certificate of Participation

Dr. Neetu Verma

Kanya Maha Vidyalaya Jalandhar , Punjab
has participated in the regional meet held on 26th July 2022 at
Chandigarh University, Chandigarh.

Mr. Sanjeet Singh

IIC President,
Chandigarh University, Chandigarh

Mr. Dipan Sahu

Assistant Innovation Director
MoE's Innovation Cell

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MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)



INSTITUTION'S
INNOVATION
COUNCIL



CHANDIGARH
UNIVERSITY

Regional Meet
Institutions' Innovation Council
MoE's Innovation Cell

Certificate of Participation

Dr. Surbhi

Kanya Maha Vidyalaya, Jalandhar, Punjab
has participated in the regional meet held on 26th July 2022 at
Chandigarh University, Chandigarh.

Mr. Sanjeet Singh

IIC President,
Chandigarh University, Chandigarh

Mr. Dipan Sahu

Assistant Innovation Director
MoE's Innovation Cell

27. Budding KMV Innovators among Top 30 achievers of IDEATHON-2023

(Inter Institutional Idea Competition)

<https://youtu.be/WtQ9DeZgSd4>

<http://www.punjabnewschannel.com/english/budding-kmv-innovators-among-top-30-achievers-of-ideation-2023-inter-institutional-idea-competition/>

1. **Date of program:** 3rd February 2023
2. **Title/Theme of the Program:** Providing the solution of current Real-time Problems.
3. **Program for the benefit of:** Students to develop creativity, visionary thinking and imagination among budding innovators.
4. **Objective:** Motivate Students to showcase their talent and imagination in an innovative manner.
5. **Total no. of participants:** 7
6. **Venue:** Dr. B. R. Ambedkar National Institute of Technology Jalandhar

Students of KanyaMahaVidyalaya, Jalandhar participated in the *Ideathon* (INTER-INSTITUTIONAL IDEA COMPETITION (IIC'23)) conducted at Dr. B. R. Ambedkar National Institute of Technology Jalandhar from 3rd February to 5th February. The Competition was based on the theme 'Providing the solution of current Real-time Problems.' Three teams from KMV actively presented their three innovative projects in the competition and provided out of box solutions to the basic problems. 1st team proposed the solution to remove the stagnated water on the roads named as 'Roadex-trellis'. It was lead by Haramanpreet Kaur (M.Sc. Physics), followed by members Barjinder Kaur (M.Sc. Chemistry) Rush Chambyal (B.Sc. Hons. Physics). 2nd Team lead by Lavleen Saini (M.Sc. Physics) with her teammate Navneet Kaur (B.Sc. NM) come up with the idea of going touchless with touchless switches & Hand-Sanitizer that can be operated in our own campus. Sandeep kaur (M.Sc. Physics) being the leader of 3rd Team presented idea to make application named 'seg-re-create' which will influence the society to improve their waste collecting habits. Beenu Kumari (B.Sc. NM) Shruti Kalia (B.Sc. Med) demonstrate the idea in front of Judges. These teams are mentored by KMV IIC and Science Faculty members Dr Neetu

Verma, Dr. Surbhi and Dr. Narinder. Teams were motivated to be completely driven towards making solutions of real world problems. Ideas were very much appreciated by by prestigious Judges . Nearly 100 contestants shared their ideas. Our one team having the idea of Roadex Trellis led by Ms Haraman mentored by Dr. Neetu Verma and Dr. Surbhi was selected among top 30 achievers of IDEATHON 2023. Dr. Atima Sharma Dwivedi, Principal Kanya Maha Vidyalaya, Jalandhar Congratulated and inspired the team for their wonderful work .



The Principal,
Kanya Maha Vidyalaya,
Talandhar

Respected Mam,

It is to bring to your kind notice that our three ^{innovative} ideas are going to be presented in Inter-Institutional Idea Competition - iDEATHon to be held at B.R. Ambedkar National Institute of Technology, Talandhar. Our 8 students along with two teachers will attend it on 3rd Feb 2023. Kindly allow the students to present innovative ideas & transportation for the same.

Thanking you

Yours sincerely

Neetu

(Dr. Neetu Verma)
Dept of Physics

1st Feb 2023





The Heritage Institution
Estd. 1886

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KANYA MAHA VIDYALAYA (Autonomous)

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Ref. No. Kmv/7999

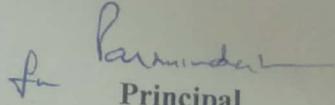
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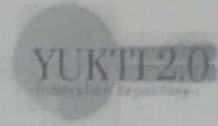
Authority Letter

Eight students of Kanya Maha Vidyalaya , Jalandhar along with two faculty members Dr. Harleen Singh from PG Department of Physics and Ms. Aarti from Department of Computer science are going to participate in Inter- Institutional Idea Competition (IIC'23) Organized by Dr B.R. Ambedkar National Institute Of Technology , Jalandhar on 3rd February 2023.

List of Students :

Sr. No.	Student's Name	Class
1.	Haramanpreet Kaur	M.Sc Physics Sem II
2.	Lavleen Saini	M.Sc Physics Sem II
3.	Sandeep Kaur	M.Sc Physics Sem II
4.	Barjinder Kaur	M.Sc Chemistry Sem II
5.	Rushi Chambyal	B.Sc Hons. Phy Sem VI
6.	Navneet Kaur	B.Sc NM Sem IV
7.	Shruti Kalia	B.sc Med Sem VI
8.	Benu Kumari	B.Sc NM Sem IV


Principal
Kanya Maha Vidyalaya
Jalandhar
Principal
Kanya Maha Vidyalaya
Jalandhar



Dr B R Ambedkar National Institute of Technology
Jalandhar

APPRECIATION CERTIFICATE

Presented to

Roadex-Trellis

of

Kanya Maha Vidyalaya, Jalandhar

for idea presentation in the Inter-Institutional Idea Competition (IIIC'23): Ideathon organized by
Institution's Innovation Council (IIC) and Yukti 2.0 from 3rd to 5th February 2023.

Prof. B. S. Saini
President, IIC

Dr Kunwar Pal
Coordinator, Yukti 2.0

Dr J N Chakraborty
Dean (R & C)