

Academic Year 2022-23

4.3

Life Long Learning Measures

4.3.2 Public Events (Life Long Learning)

MRIIRS Weblink to SDG 4:

<https://mriirs.edu.in/sdg04-quality-education/>

1. FREE ACCESS TO EDUCATIONAL RESOURCES OF MRIIRS

Manav Rachna International Institute of Research and Studies is actively working in the community engagement and sustainable development by actively engaging in various outreach projects. The university aligns its outreach projects with the Sustainable Development Goals (SDGs). The university demonstrates its commitment to social responsibility by offering, managing, and delivering a wide range of outreach initiatives including Quality Education for all that benefit the local community as it strives to bridge gaps and collaboratively work towards sustainable change.

Hands-on Computer Literacy programme for School Students

In the modern age, computer literacy is essential for students to succeed in both their academic and professional lives. Recognizing the importance of computer education, Manav Rachna International Institute of Research and Studies (MRIIRS) has opened its computer lab facilities to school students, providing them with an opportunity to enhance their computer skills. MRIIRS conducts regular hands-on workshops and awareness programmes for school students studying outside MRIIRS, regarding Computer Literacy.

This initiative serves as a model for other educational institutions to consider, showcasing the positive impact that can be achieved by opening up resources and fostering collaboration between university and school students. School students from nearby schools in the Faridabad area are hosted to utilize MRIIRS's computer lab facilities. The initiative has primarily targeted students from middle and high schools, including those who may not have access to computers at home.

The primary objective of allowing school students to use the computer lab facilities at MRIIRS is to:

- Enhance computer literacy among school students.
- Provide access to advanced computer hardware and software.
- Foster collaboration and knowledge exchange between school and university students.
- Promote MRIIRS as a community-oriented educational institution.

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<https://mriirs.edu.in/wp-content/uploads/2023/11/8-Hands-on-Computer-Literacy-programme-for-School-Students.pdf>

Allowing school students to use the computer lab facilities at MRIIRS is an initiative that aligns with the institution's commitment to providing quality education and community engagement. The program not only benefits the school students by enhancing their computer skills but also reinforces MRIIRS's role as an educational institution that cares about the development of the surrounding community.

Right approach to Understanding Student Higher Education (RUSH)

The Right Approach to Understanding Student Higher Education (RUSH)" is a unique and innovative educational program of MRIIRS designed to provide students from Grade IX to XII with insights into hands-on training in their preferred career groups. This program, offered free of cost, is driven by experienced professionals from academia and industry. It aims to help students develop analytical and cognitive skills relevant to their dream careers. The program offers a wide range of courses catering to different career interests, encouraging students to explore and deepen their knowledge in various fields.

RUSH provides students with 11 different career group options to choose from, allowing them to gain practical experience in their areas of interest. The course offerings include:

1. Money RUSH
2. Media RUSH
3. Social Impact RUSH
4. Allied Health Sciences RUSH
5. Design RUSH
6. Hospitality RUSH
7. Psychology
8. Education RUSH
9. Legal RUSH
10. Innovation RUSH
11. Language RUSH

The RUSH program is designed to achieve several objectives, including:

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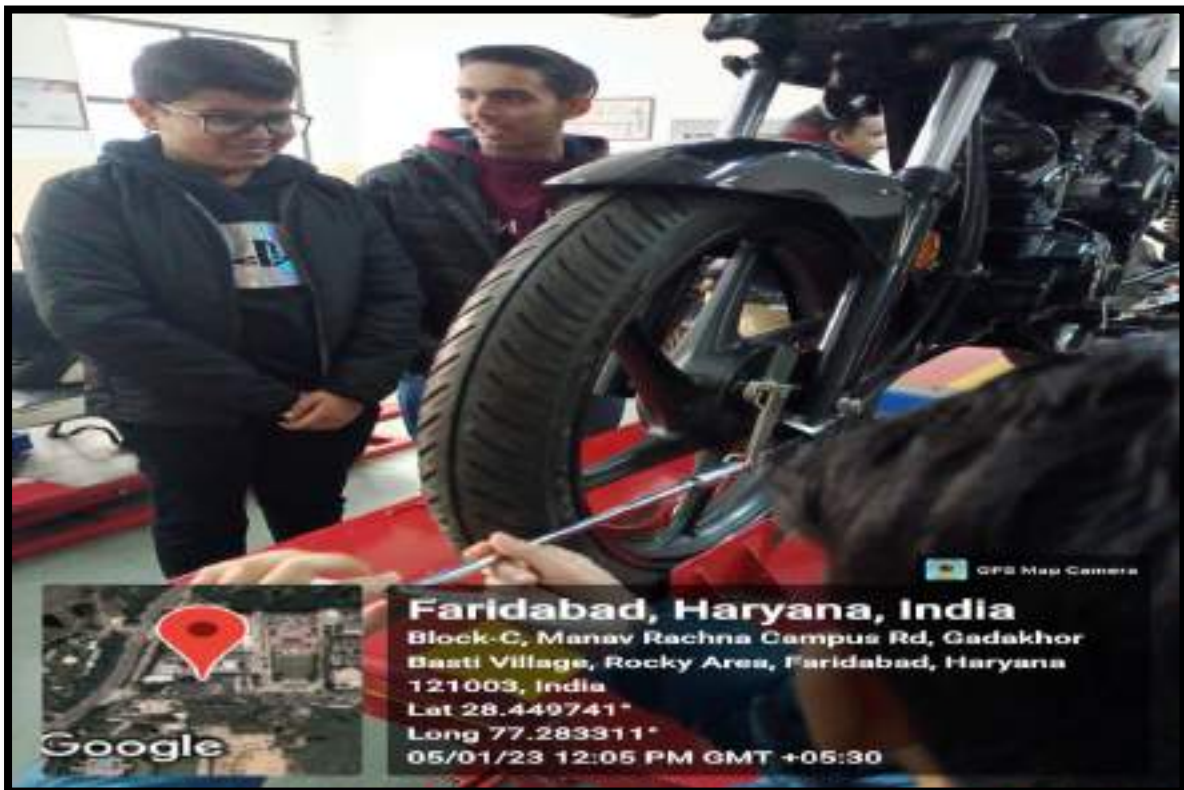
- **Career Exploration:** Providing students with a practical understanding of various career fields, helping them make informed decisions about their future.
- **Skill Development:** Offering hands-on training and experience to develop analytical and cognitive skills relevant to their chosen career groups.
- **Promoting Lifelong Learning:** Encouraging a love for learning and inspiring students to pursue further education in their areas of interest.
- **Facilitating Mentorship:** Connecting students with experienced professionals who can guide and inspire them in their chosen fields.

"The Right Approach to Understanding Student Higher Education (RUSH)" is an initiative that offers students a unique opportunity to explore their career interests and develop essential skills. The diverse range of courses available ensures that students can find a field that resonates with their aspirations and goals. The program not only benefits the students but also contributes to the development of a skilled and knowledgeable workforce for the future. This initiative demonstrates the commitment to quality education and career development for young learners.

Students attending RUSH program at MRIIRS:



<https://mriirs.edu.in/wp-content/uploads/2023/11/9-RUSH.pdf>



Students of different schools can apply for the course of their interest through a dedicated portal which can be accessed from the given link: [Rush Programs – Manav Rachna Vidyanatariksha \(mriirs.edu.in\)](https://mriirs.edu.in). Under RUSH Campaign, MRIIRS conducts hands-on training for the school students during which students can use MRIIRS resources and have a practical experience of the numerous tools, equipment and

machinery of their interest. In January 2023, many students applied for the RUSH programme in different domains and attended the training in their respective courses at MRIIRS campus.

✚ Availability of Laboratory Facility for outside students

MRIIRS offers the Lab facility available in campus to the students of Associate Members of Institution of Engineers (AMIE) who are working professionals and wish to attain degree equivalent to B.Tech, for performing laboratory experiments in the field of their specialisation. Faculty members of MRIIRS impart training to the students availing this facility. The list of students who wish to avail the facility is provided by Institution of Engineers (INDIA). The facility can be availed twice a year, i.e., May/June and December/January. The objective of providing the facility to the students not studying in campus is to help them develop ability to apply the engineering and technological concepts, tools and techniques to study and attempt to solve any engineering or system problem. Stress is given on quality of training for development of professional competence. Each student performs ten laboratory experiments, out of a list of twenty experiments in the domain of his/her interest.





📌 **Open Access Resources at Dr. OP Bhalla Central Library, MRIIRS**

<https://mriirs.edu.in/international-institute-of-research-and-studies/central-library/>

Dr. OP Bhalla Central Library at MRIIRS offers a range of services for academic and research pursuits for students within and outside MRIIRS campus. Dr. O.P. Bhalla Central Library offers a platform for research, innovation and development. It has a collection of more than 4, 14,000 documents in print and electronic format. Smart Card enabled, RFID and Wi-Fi enabled library has the latest state-of-the-art technological applications including e-books, audio-books, e-journals, kindles to maximize the use and ease of library resources. Single Window Search solution offers researchers paradise by making all library resources available at a single click. 24x7 availability of library resources beyond campus through remote access provides unhindered access to resources.

Along with the numerous print documents, following open access resources are available at the Library which can be accessed online:

Journals

- [Directory of Open Access Journals](#)
- [Open Access Journals Search Engine](#)
- [Wiley Open Access Journals](#)
- [Springer Open Access Journals](#)
- [Open Science Directory](#)
- [Biomedical and Life Sciences Journal](#)

Encyclopedias

- [Encyclopedia](#)
- [Discovery online](#)
- [Tech Encyclopedia](#)
- [World of Mathematics](#)

Dictionaries

- [Roget's Internet Thesaurus](#)
- [One look Dictionary](#)
- [Cambridge Dictionaries Online](#)
- [WWWebster Dictionary](#)
- [Rogets Thesaurus](#)
- [NASA Thesaurus](#)
- [Familiar Quotations](#)

News Papers

- [India-Today](#)
- [Business Standard](#)
- [Times of India](#)
- [The Hindu](#)

Atlases

- [Maps and Atlases](#)
- [Atlas](#)
- [Geography : Atlases](#)
- [Health Atlases](#)
- [Freeality Online Atlases, Maps, and Travel Directions](#)
- [Health Atlases](#)
- [Maps.com](#)

Translation

- [Free Translation](#)

Citation Guides

- [Harvard Referencing](#)
- [CBE Documentation](#)
- [Karla's Guide to Citation Style Guides](#)
- [Style Sheet for Citing Internet Sources](#)
- [Citation Formats for Natural Scientists](#)
- [Journals Abbreviation Resources](#)
- [Electronic References & Scholarly Citations of Internet Sources](#)
- [WWWL/MLA Style](#)
- [Citation Styles Handbook](#)

Associations

- [Webpages for Scholarly Societies](#)
- [Gateway to Associations Online](#)
- [Idealist](#)
- [World Directory of Think Tanks](#)
- [Associations on the Net](#)
- [International Organization and NGO Web Sites](#)
- [Meta-Index for Nonprofit Organizations](#)

✚ **Margdarshan Initiative under guidance from MRIIRS faculty members**

Margdarshan is an Initiative under which, students from villages are motivated to undergo an aptitude test so that they can be guided about the right career options for them. As a continuation of the Margdarshan Initiative, Dr. O P Bhalla Foundation successfully hosted the fourth batch of 56 students from Government Girls Senior Secondary School (GGSSS) Old Faridabad at MR Campus for a Career Aptitude Test. The primary objective remains to offer these students valuable insights into their future career and higher education opportunities, furthering our commitment to Sustainable Development Goal 4 (SDG 4) - Quality Education. Students were also taught about how to use computers for giving online competitive tests.

<https://mriirs.edu.in/wp-content/uploads/2023/11/2.-Margadarshan.pdf>



Students from GGSSS, Old Faridabad attempting Career Aptitude Test at MRIIRS

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📌 **Kaushal Kaaryashala Programme: Vocational training for potential dropouts in collaboration with the National Skill Development Corporation**

MRIIRS has collaborated with NSDC and Kedman (a joint venture of Manav Rachna and Kunskapskolan, Sweden), to start a pilot project after approval from NSDC with an aim to cover 100 Schools in the State of Haryana. Under the project, vocational training is being provided in 3 important Sectors of Retail, IT and Beauty & Wellness. This Project provides digital education through Labs equipped with laptops, overhead projectors aided by UPS, internet connectivity and modern furniture. A dozen vocational Labs have already been set up.



The screenshot shows the website for the Kaushal Kaaryashala program. At the top, there is a navigation bar with the URL dropbhallaoundation.org/kaushal-3/. Below this is a large banner image of students holding certificates, with the text "KAUSHAL KAARYASHALA" overlaid. The main content area is divided into sections: "WHAT IS KAUSHAL KAARYASHALA?", "THE PILOT BATCH", and "Result of the Pilot Batch".

WHAT IS KAUSHAL KAARYASHALA?


Approximately 47 million students drop out of school. They drop out of school to help support their families financially. The majority are unskilled and untrained, and they are vulnerable to exploitation by casual and manual labor. The Kaushal Kaaryashala Initiative of Df. OP Shaha Foundation aims to empower the Government School Students of Faridabad. The Kaushal Initiative taken by Df. OP Shaha aims to empower government school pupils from standard 4th to 12th through variety of skill development programs and provide soft office hybrid teaching method. Df. OP Shaha Foundation aims to impart skilling necessary for better employment opportunities in the higher paying jobs.

THE PILOT BATCH

The pilot batch for the Kaushal Kaaryashala began in November 2021, in which 200 Government School Students from the selected villages of Manav Rachna Educational Institutions (Mehra, Heerapuri, Haryana, Farhana Khurd, Maudgaon, Daudpur, Gullwaha, Akal, Chauri, and Moudhal) were enrolled for the IT/ITIS Skill Development Program. The students who dropped the course would be qualified to work as Basic Level Data Operator. Theoretical lectures were given through online classes while a few practical training was given at the Manav Rachna Campus.

Result of the Pilot Batch

- Out of 200 students, 47 students were selected and made eligible to give the certification exam.
- 40 students passed the exam.



<https://dropbhallaoundation.org/kaushal-3/>

Approximately 47 million students drop out of school. They drop out of school to help support their families financially. The majority are unskilled and untrained,

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and they are vulnerable to exploitation by society and market forces. The **Kaushal Kaaryashaala Initiative** of Dr. OP Bhalla Foundation aims to empower the **Government School Students of Faridabad**. The **Kaushal Initiative taken by Dr. OP Bhalla foundation and MRIIRS aims to empower government school pupils from standard 9th to 12th** through variety of skill development program via. online and offline hybrid teaching method. Dr. O P Bhalla Foundation aims to impart skilsets necessary for better employment opportunities in the higher paying jobs.



Launched on December 27th, 2021 by DC Faridabad, Sh. Jitender Yadav, the program initially conducted online classes for seven batches, each consisting of 30 students. Later, 50 regular students were selected for practical training on campus. The first batch of Kaushal focused on training approximately 50 students from government schools in Mohna, Panhera Khurd, Nariyala, Dayalpur, Atali, and other villages in basic IT skills. Volunteer faculty members from FET, MRIIRS - Mr.Arko Bagchi and Ms. Meghna Luthra and FET,MRU- Dr. Meenakshi Gupta, Dr. Sanjay Singh and Mr. Piyush Mahendru went beyond their duties to train these students. The classes commenced



in **January 2022** and concluded in **February 2023** with a final exam comprising practical, theory, and viva components. The Foundation team would leave early in the morning and bring the students to campus; Mr. Arko, FET, MRIIRS would conduct the practical class and they were dropped back to their villages after lunch. Out of 48 students, 45 successfully passed the exam and will receive certificates.

On June 27th, 2023 a Felicitation ceremony to give certificates to all the passing Students was held in the auspicious presence of our Chairperson - Madam Satya Bhalla Ji. She congratulated and motivated the students to achieve great success.



Students attending Computer Classes in MRIIRS Labs

The second batch of Kaushal started from June 2023, consisting of 50 students from Ankhir Government school from classes 9th-12th. These students are being trained in spoken English and personality development as well.



Students Registering for **Kaushal Karyashala-IT Skill Training at MRIIRS**



2. EDUCATIONAL TRAINING PROGRAMMES/COMPETITIONS HELD AT MRIIRS THAT ARE OPEN TO GENERAL PUBLIC

MRIIRS has organised numerous educational events in its campus **not only for the students studying at MRIIRS but for those who are studying in different schools and universities.** Sample of few such programmes are presented here.

✚ HACK THE MOUNTAINS 3.0 on Emerging Technologies & Its Applications

The Department of Computer Science and Engineering, FET, Manav Rachna International Institute of Research and Studies (MRIIRS) hosted the inaugural of two-day International Hybrid Hackathon (17th to 18th September 2022)., Hack the Mountains 3.0 on 17th Sept 2022, 10:00 am onwards. Hack The Mountains 3.0, is a Hybrid Hackathon, designed especially for the needs of the community and provides the perfect chance to showcase skills and witness a competitive yet inclusive developer community around it.

A total of 3501 participants from 268 colleges and 20 Indian states, participated in the Hack the Mountains 3.0 and across the globe, No. of participants is 503 with No. of Colleges/Universities: 176 and 68 countries. In total 4004 participants have participated out of which 429 attended offline and 3575 are online.

Each team under various tracks was assigned mentors having expertise in various technical skills such as HTML, CSS, React, NextJs, Javascript, Typescript, Sass, Python, C++, Docker, NodeJs, Express.js, MongoDB, Automation, SQL, Tailwind, Machine Learning, Artificial Intelligence, Deep Learning, Data Science, etc. All the participants across the nation and globe had chosen their problem domains as specified: Education, HealthCare, AR/VR, Open Innovation, Environment, Diversity, Energy, and Blockchain.

Detailed report: [HACK THE MOUNTAINS 3.0 on Emerging Technologies & Its Applications – \(www.mriirs.edu.in\)](https://www.mriirs.edu.in)

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Toycathon

Manav Rachna International Institute of Research and Studies hosted Toycathon 2022 on May 24-25, 2022. This event was a collaborative effort between the Ministry of Education and five other Ministries: the Ministry of Women & Child Development, the Ministry of Information & Broadcasting, the Ministry of Commerce & Industry, the Ministry of Micro, Small and Medium Enterprises, and the Ministry of Textiles. Toycathon aimed to encourage the creation of fresh and inventive toys made from

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local materials that are cost-effective, safe, environmentally friendly, and of exceptionally high quality, suitable for both Indian and global markets. The event saw participation from 34 teams across India, each bringing innovation and a scientific approach to their toy designs. Seven teams were recognized for their creative concepts, representation of Indian culture, and incorporation of technological advancements.



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Students

Participating

in

Toycathon

2022



<https://manavrachna.edu.in/latest/mriirs-proudly-hosted-the-physical-edition-of-toycathon-2022-as-one-of-the-nodalcentres/>

🚩 Green India Hackathon

The Manav Rachna International Institute of Research and Studies served as the Northern region center for the world's largest 22-hour Electric Vehicle (EV) hackathon, known as the Green India Hackathon. The event saw the participation of 23 teams from Northern India and took place on the Manav Rachna campus. The primary objective of the Green India Hackathon was to accelerate the adoption of Electric Vehicles by addressing significant challenges within the EV ecosystem.

Detailed Report: [Green India Hackathon organized at MRIIRS](#)





✚ TechFest Anubhuti-22

Anubhuti-22, A precursor to Innoskill 2023, a technical competition was held on 10th -11th November 2022 wherein the students of various reputed Universities/Colleges/Schools of the country participated. Anubhuti-22 was organised with the vision to build future leaders and creating a diverse platform for young talent that people love. **Anubhuti 2022** is a deck of four specialized innovative segments: **Anubhuti, Creative Thinking Through Science and Technology workshop, Squared Challenge in Engineering and Design, and Advance Guard** supported by the **Department of Science and Technology (DST), and National Council for Science and Technology Communication (NCSTC)**.

The event had 1500+ registrations from different schools and Universities. Students participated in various events like NavSrijan, Visual Merchandising, technical Workshop, Brain Teaser, Shark Tanks, Gamolution, Blind Coding, Bugz War, Reel Rooster, Tech-Charades, Project Showcase, Technical Maze, Logo Quiz, Web weaving etc.

Media Report: [Anubhuti 2022 organized at MRIIRS](#)



Students participating in ANUBHUTI-22





Students participating in ANUBHUTI-22

✚ Samsung Innovation Hackathon

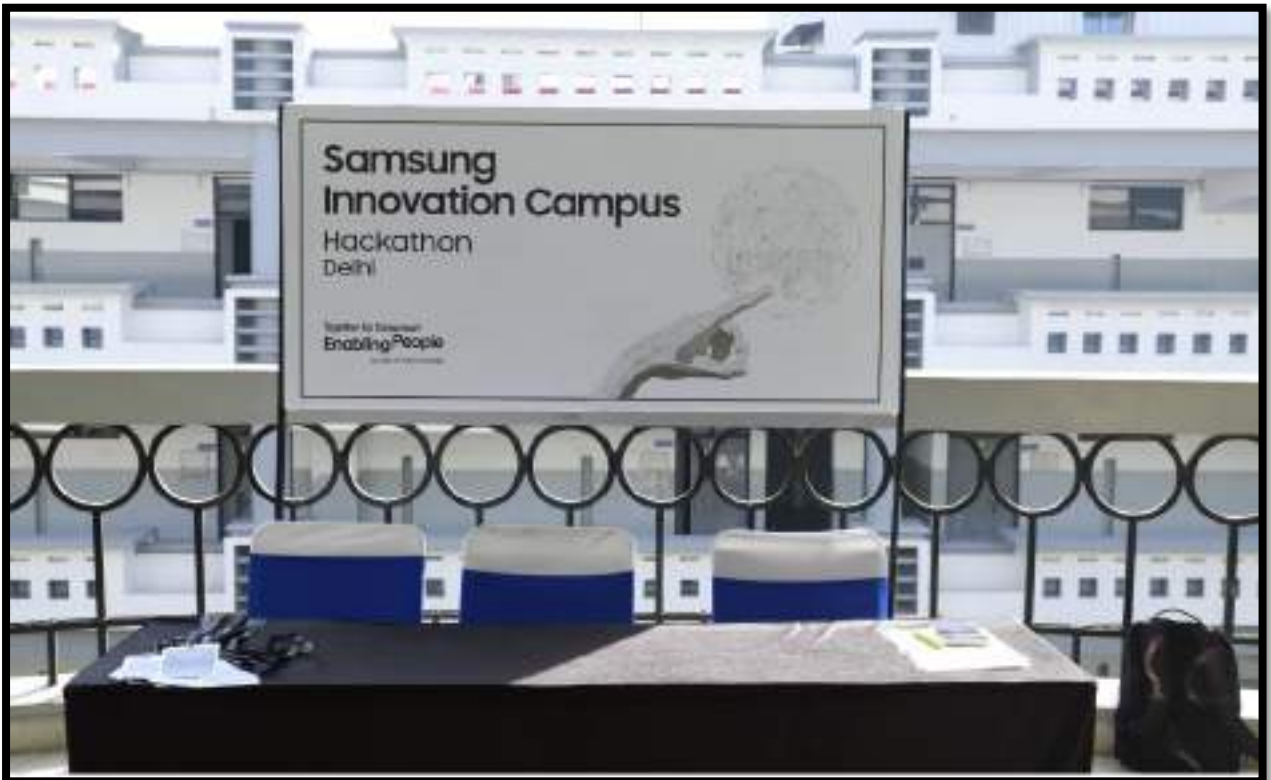
MRIIRS hosted a 3-day Samsung Innovation Hackathon in association with Samsung India. Student teams from different universities who are part of the Coding & Programming course took part in the Hackathon in which they developed codes based on problem statements given to them. The problem statements included topics such as developing a citizen feedback on road maintenance, creating a knowledge management portal, automation of reforestation efforts, a GST calculator, chat support for e-governance and an early warning system for farmers to protect crops from pests. The teams presented their prototypes to a jury consisting of engineers from Samsung R&D Institute, Noida and Samsung R&D Institute, Delhi. The students, who were mentored and trained at National Small Industries Corporation (NSIC), New Delhi were presented with certificates at the ceremony.

Media Report: [Samsung Innovation Hackathon hosted at MRIIRS](#)



Students participating in Samsung Innovation Hackathon

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Students participating in Samsung Innovation Hackathon

Smart India Hackathon 2022

Manav Rachna International Institute of Research and Studies (MRIIRS) in collaboration with Ministry of Education GOI, MoE's Innovation Cell, All India Council for Technical Education, Persistent Systems, and i4c, organised the hardware edition of Smart India Hackathon-2022 from August 25 to August 29, 2022. Smart India Hackathon (SIH) is a nationwide initiative that provides students a platform to solve the pressing problems of the ministries, industries and other organizations. SIH has been acclaimed as the world's biggest open innovation model and it inculcates the culture of product innovation and problem-solving among students. During the SIH 2022, 476 problem statements (received from 53 Union Ministries) were given to students. The student team works round the clock under the guidance of mentors and Ministry/Organization representatives to produce the working solution for the selected problem statements. At MRIIRS, 16 teams worked on the problem statements that were assigned by: Ministry of Ports, Shipping & Waterways and Ministry of Culture.



Students participating in Samsung Innovation Hackathon

Media Report: [Smart India Hackathon 2022](#)

