

Academic Year 2022-23

17.4

Education in SDGs

17.4.3 Education for SDGs in the wider community

MRIIRS weblink to SDG17

<https://mriirs.edu.in/sdg17-partnerships-for-the-goals/>

Education for SDGs in the Wider Community

MRIIRS offers a range of elective courses and core courses focusing on sustainability and SDGs. A course titled – “Art and Sustainability” in the second semester of the Bachelor of Liberal Arts Program focuses entirely on the reflection, action and liberation element of sustainability by the application of various art forms – viz. music, dance, theatre, cinema and performance. The Core Foundation course titled – “Environmental Studies” which is offered across the University for all the students creates an interdisciplinary process of training and learning on the varied perspectives of sustainability and SDGs. Open elective courses titled – “Solid Waste Management”, “Food, Hygiene and Sanitation”, “Philosophy and Physiology of Yoga”, “Green Energy Resources”, “Health, Fitness and Education”, etc are also offered across the University. The University conducts outreach and educational activities for alumni, residents and displaced people through its ISR arm – “Dr. OP Bhalla Foundation”.

The curriculum structure is oriented and integrated into a sustainability discourse across all courses of the University. More details are provided on the evidence section.

1. Free Access to Educational Resources of MRIIRS

The **University has a list of outreach and educational activities for alumni, residents and displaced people** which it conducts through the foundation called – “OP Bhalla Foundation”. As a part of these measures, the MR Educational Institutions have initiated measures like – “Mohna Village” adoption, extension of community services for local residents of the “Mohna Village” within the Faridabad district.

- **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 have been invited 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.

Allowing school students to use the computer lab facilities at MRIIRS is a commendable 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.

Hands-on Computer Literacy programme for School Students



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

- **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:

- **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 a commendable 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 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 \(mriirs.edu.in\)](http://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



Students attending RUSH program at MRIIRS



- **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.



- **Margdarshan Initiative**

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.



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



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

- **Kaushal Karyashala-IT Skill Training from January 2022-February 2023**

Kaushal Karyashala, an initiative by Dr OP Bhalla Foundation in association with Manav Rachna International Institute of Research and Studies, aims to provide IT skill training to youth for better job prospects. It caters to the 4th SDG Goal of providing Quality Education to all. 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. Mr. Arko, FET, MRIIRS conducted the practical class Out of 48 students, 45 successfully passed the exam and received 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. 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.

Link for Kaushal Karyashala initiative by O.P Bhalla Foundation: [Kaushal Karyashala – Dr. O.P. Bhalla Foundation \(dropbhallafoundation.org\)](https://www.dropbhallafoundation.org)



**Village Students receiving certificates after successfully completing
Kaushal Karyashala-IT Skill Training at MRIIRS**



Students Registering for Kaushal Karyashala-IT Skill Training at MRIIRS



2. Educational Training Programmes/Competitions held at MRIIRS

MRIIRS has organised numerous educational training programmes and competitive events in its campus not only for the students studying at MRIIRS but for those who are studying in different schools and universities.

- **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 – Manav Rachna Vidyanatariksha \(mriirs.edu.in\)](https://mriirs.edu.in)



- **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 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.

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



Students Participating in Toycathon 2022



- **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).

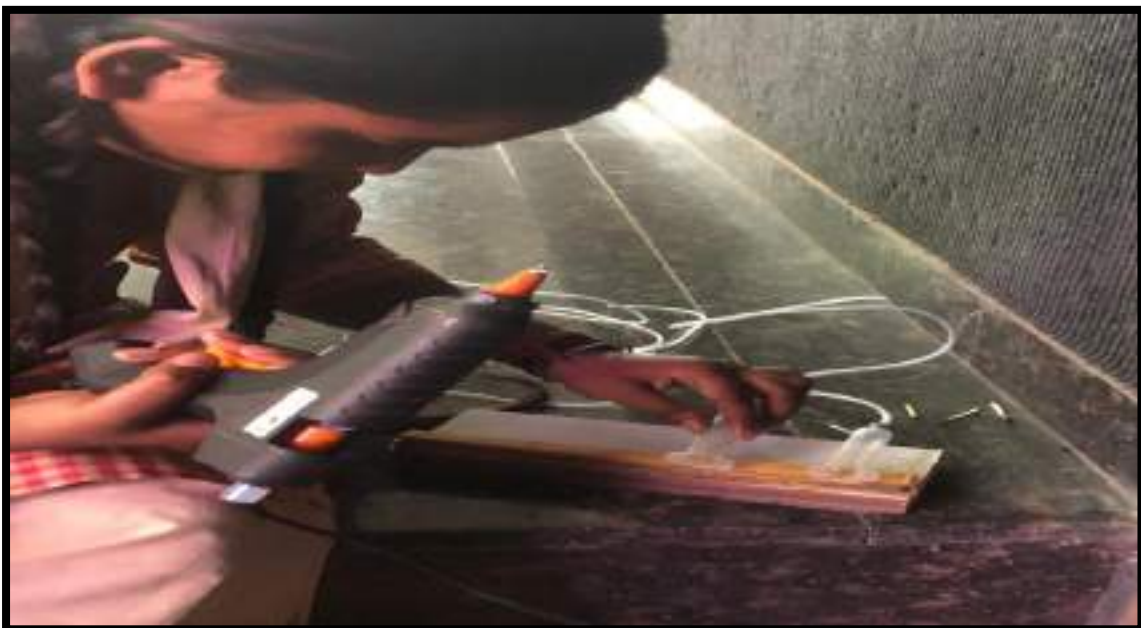
The event had 1500+ registrations from different schools and Universities like Amity University, North Cap University, Galgotia University, Lingaya's University, Sushant University, Shiv Nadar School, St Joseph convent school , Delhi Public School, Carmel convent school , Tagore academy public school, Rawal international school, Vidya Mandir Public School and many more.

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: [मानव रचना द्वारा आयोजित तकनीकी प्रतियोगिता 'अनुभूति 2022' में 1500 विद्यार्थियों ने लिया भाग](#) | Today Express News Media Report: [Anubhuti 2022 organized at MRIIRS](#)



Students participating in ANUBHUTI-22



- **Samsung Innovation Hackathon**

MRIIRS organised 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. [Samsung Innovation Hackathon hosted at MRIIRS](#)



Smart India Hackathon 2022

MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES, FARIDABAD

SDG- 17 PARTNERSHIPS FOR THE GOALS



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. 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. [Smart India Hackathon 2022](#)



3. Educational Outreach Activities for Life Long Learning

MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES, FARIDABAD

MRIIRS organizes outreach activities to educate not only the students on roll, but also the general public.

- **Teacher On Call Program**

Manav Rachna International Institute of Research and Studies in association with Dr O P Bhalla Foundation and with the help and support of Sahaj Path Knowledge Foundation is running the '**Teacher on Call**' Program since 25th April, 2020.

This initiative is **aimed at providing equal learning opportunities to each and every child, especially the students of Government Schools**. This is a **Phone Call Based Remedial Educational Development Program for students of Government Schools of Faridabad district**. We already have more than 300 qualified and experienced Volunteer Teachers, who are successfully teaching the students over phone in the subjects of Mathematics, Science, Social Science, Hindi and English, and are helping around **12000 students of classes VI to X** in answering their queries through telecalling about their difficulties in these subjects through toll free No. 18008906006 which is made available to Student callers during specified hours (Mondays to Saturdays - 5:00 PM to 8:00 PM & Sundays –9:00 AM to 8:00 PM).

The program has successfully impacted many students and there is a significant difference towards the betterment of their academic performance. The students are also given rewards from time to time based on their performance and association with the program.

Link for Teacher on Call Programme offered by O.P Bhalla Foundation: [Teachers On Call – Dr. O.P. Bhalla Foundation \(dropbhallaoundation.org\)](https://dropbhallaoundation.org)



Volunteer taking doubt session for village students under 'Teacher on Call' Program



- **Student-Led Reading Outreach at Govt School, Village Panhera**

A student-led outreach project on reading that took place demonstrating a commitment to the Sustainable Development Goals (SDGs) on 22 Aug 2022. The initiative aimed to promote the importance of reading, literacy, and lifelong learning among students of Govt school, Village Panhera. Dr. Sadiqa Abbas and Dr Anjali Gupta along students conducted Storytelling sessions by sharing their favorite stories, poems, or excerpts from books. These sessions fostered a sense of community and emphasized the joy of reading and sharing stories.

<https://mriirs.edu.in/wp-content/uploads/2023/11/3-Student-Led-Reading-Outreach-at-Govt-School-Village-Panhera.pdf>



- **Be a Teacher to Someone**

Manav Rachna holds the ideals "Manav ki Rachna" keeping these morals in mind the volunteers of the National Service Scheme Unit, Department of Student Welfare, Manav Rachna International Institute of Research and Studies undertook an initiative, "Be a Teacher to Someone" on the occasion of teacher's day. The volunteers under this campaign visited the Miracle Charitable Society, Faridabad, an adoption centre registered under the Women and Child Development Department of Haryana, on September 05, 2022 to be a teacher to someone as they understand that education is a fundamental right. The students of Manav Rachna got the opportunity to interact with them and teach them how to paint and colour understanding the beautiful and lifelong mentor-disciple bond that is shared between a teacher and a student. Early Education - teaching the base of the alphabet and numbers was also taught to children.



<https://mriirs.edu.in/wp-content/uploads/2023/11/5-Be-a-teacher-to-some-one.pdf>

SDG- 17 PARTNERSHIPS FOR THE GOALS

Volunteer students of MRIIRS interacting with kids during visit under **"Be a Teacher to Someone"** program



- **Deekshaarambh- An Educational Visit to Villages**

Under the Manav Rachna Life Skill Program and Unnat Bharat Abhiyaan, a visit to schools in the adopted Villages was organised during "Deekshaarambh"- Orientation Session for the newly admitted students of MRIIRS, on 13.07.23 and 14.07.23. The aim of the visit was to provide students with exposure to rural life, community engagement, and environmental awareness and to enrich the learning experience for the students in the village.

Students and faculty members were divided into 4 groups who visited **Govt. Middle School, Heerapur**, School in Nariyala Village, **Panhera Village** and Government Primary School, Maujpur at Ballabhgarh.

The teams conducted various activities with the school students for imparting knowledge and encouraging the students to pursue their interests and talents. The activities involved **Interactive Learning Sessions**, Environmental Awareness Workshops, **Poster Making Competition** and Plantation Drive. Through engaging in activities and games, they introduced various subjects, emphasizing the importance of education in shaping the future, instilling eco-friendly practices among the students and encouraging them to be responsible environmental stewards.



<https://mriirs.edu.in/wp-content/uploads/2023/11/6-Educational-Visit-to-Villages-during-Orientaion-Programme.pdf>



- **Learning how to Learn - Helping Students in Govt Schools identify their Learning Style**

MRIIRS started an initiative - 'Learning how to learn' for the Students of Government Schools, classes 8-10. We assist students in understanding their preferred learning style with the VAK (Visual, Audio, and Kinaesthetic) Test. After each pupil has been evaluated and counselled, we present a comprehensive report to the teachers.

Through the VAK (Visual, Audio and Kinaesthetic)Test, we help them understand their learning style since each Student has a unique style of their own. Each student is analysed and counselled and an overall report was shared with the Teachers to modify their teaching techniques according to the learning styles. Five sessions have been held till date where 500 Students have had their styles analysed through tests conducted with the help 12 MRIIRS Student Volunteers. The first session was held at Government Middle School- Sector 31, Faridabad. The second and third ' Learning how to learn' sessions were held for the Students of Government Middle School, Dayalnagar (July 21,2022)and Atmadpur (July 23,2022). The fourth and fifth sessions were conducted at GSSS Ankhir (August 3, 2022) and GSSS Badhkal (August 12,2022).

<https://mriirs.edu.in/wp-content/uploads/2023/11/7-Learning-How-to-Learn.pdf>



- **Skilled India and B&WSSC jointly launch a Digital Learning Portal on LMS Platform for skilling the Beauty & Wellness Sector**

MRIIRS in collaboration with National Skill Development Corporation (NSDC) has been imparting vocational training to young students in 3 important Sectors of Retail, IT and Beauty & Wellness since the year 2020. The aim of this initiative is to cover 100 schools in the State of Haryana. In this regard, Skilled India (Joint Venture of Manav Rachna Educational Institutions and Kunskapsskolan Education) and the Beauty & Wellness Sector Skill Council (B&WSSC) launched a Digital Learning Portal on LMS Platform for the Beauty and Wellness sector **in the year 2020.**

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.

SkillEd India operations have been divided into five verticals:

1. Development of QP-NOS aligned **Vocational Digital Content**, and delivery of **Customized Digital Content** for any organization.
2. Supporting **Vocationalization of Education** leading to employability of potential drop-outs in the **Government run schools**. This vertical uses the CSR funds to establish KEDMAN enabled vocational labs and support the operations.
3. Design, development and delivery of **Customized Skill Development Programs** for the Corporate.
4. **Skill Development of Indian youth for the Global Markets**, with focus on Middle East and European markets
5. Implementing skill development and certification programs (under **RPL program of NSDC**) for the Indian workforce which has already migrated to Middle East countries

Portal of Skilled India: [SkillEd India and B&WSSC jointly launch a Digital Learning Portal on LMS Platform for skilling the Beauty & Wellness Sector - Manav Rachna Vidyanatariksha](#)