4 QUALITY EDUCATION

ENSURING INCLUSIVE AND EQUITABLE QUALITY EDUCATION & PROMOTING LIFELONG LEARNING OPPORTUNITIES FOR ALL

PROGRESS REPORT 2022-23

MANAV RACHNA *vidyanatariksha*

A++ NAAC MRIIRS, Deemed to be University

Manav Rachna International Institute of Research and Studies

(Deemed to be University under section 3 of the UGC Act,1956)

Contents:

Preamble:

Sustainable Development Goal 4 focuses on providing high-quality education to guarantee inclusivity and fairness in education while also fostering continuous learning opportunities. This goal encompasses ten specific targets and eleven indicators. Leaders in global education, represented by UNESCO, have advocated for integrating environmental education and digital accessibility into the educational experience for all. At Manav Rachna International Institute of Research and Studies, we actively support SDG 4 by offering top-notch teaching, conducting research, implementing effective institutional strategies, and forming collaborations to enhance the quality of education.

Manav Rachna has adopted 5 villages (Maujpur, Hirapur, Nariyala, Chhainssa, Panhera Khurd) of Faridabad district under Unnat Bharat Abhiyaan. Several activities are conducted regularly to educate young children residing in the villages.

- The school facilities in these villages have been upgraded by stocking libraries, constructing toilets, providing furniture, and installing solar panels
- Vocational centers for imparting computer education and spoken English have been established
- Students have been provided with education equipment, uniforms, textbooks, and notebooks.
- Workshops are conducted for capacity building of teachers and school heads using latest teaching aids and equipment and ICT resources.
- The groups of students, under the guidance of faculty members, make a regular visit to the adopted villages, identify the needs and do the needful including dental checkup camps by Dental Department, and health checkup camps by Nutrition and Dietetics Department and Physiotherapy Department.
- Similarly, there has been a widespread activity by MRIIRS to teach girls in the villages and a neighborhood village Mohna in the Faridabad District.

1.1 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.

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:

- **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:

Faridabad, Haryana, India
Block-B, Gadakhor Basti Village, Sector 43, Faridabad, Haryana 121003, India
Lat 28.449903°
Long 77.283579°
05/01/23 11:27 AM GMT +05:30

Faridabad, Haryana, India
C7XP+W7R, Gadakhor Basti Village, Sector 43, Faridabad, Haryana 121003, India
Lat 28.44985°
Long 77.285724°
06/01/23 12:09 PM GMT +05:30

Faridabad, Haryana, India
Block-C, Manav Rachna Campus Rd, Gadakhor
Basti Village, Rocky Area, Faridabad, Haryana
121003, India
Lat 28.449741°
Long 77.283311°
05/01/23 12:05 PM GMT +05:30

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). 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**

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. 24×7 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

- [Rogets 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
- Karlas 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
- WWWVL/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

- **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.

🔒 dropbhallafoundation.org/kaushal-3/

KAUSHAL KAARYASHAALA

WHAT IS KAUSHAL KAARYASHAALA?

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

THE PILOT BATCH

The pilot batch for the Kaushal Kaaryashaala began in November 2021 in which 200 Government School Students from the adopted villages of Manav Rachna Educational Institutions (Mohna, Heerapur, Nariyala, Panhera Khurd, Maujpur, Dayalpur, Gadkheda, Atali, Chainsa, and Mouthuka) were enrolled for the IT/ITeS Skill Development Program. The students who cleared the course would be qualified to work as Basic Level Data Operator. Theoritical lectures were given through online classes while offline practical training was given in the Manav Rachna Campus.
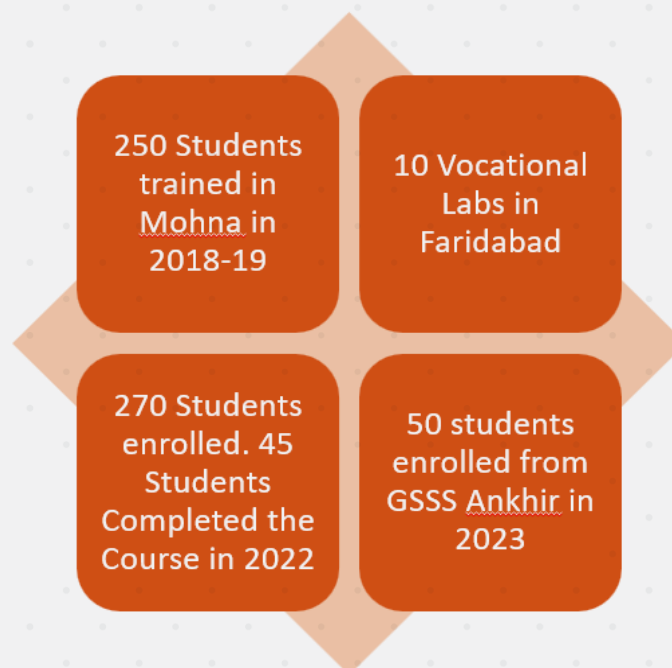
Result of the Pilot Batch

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

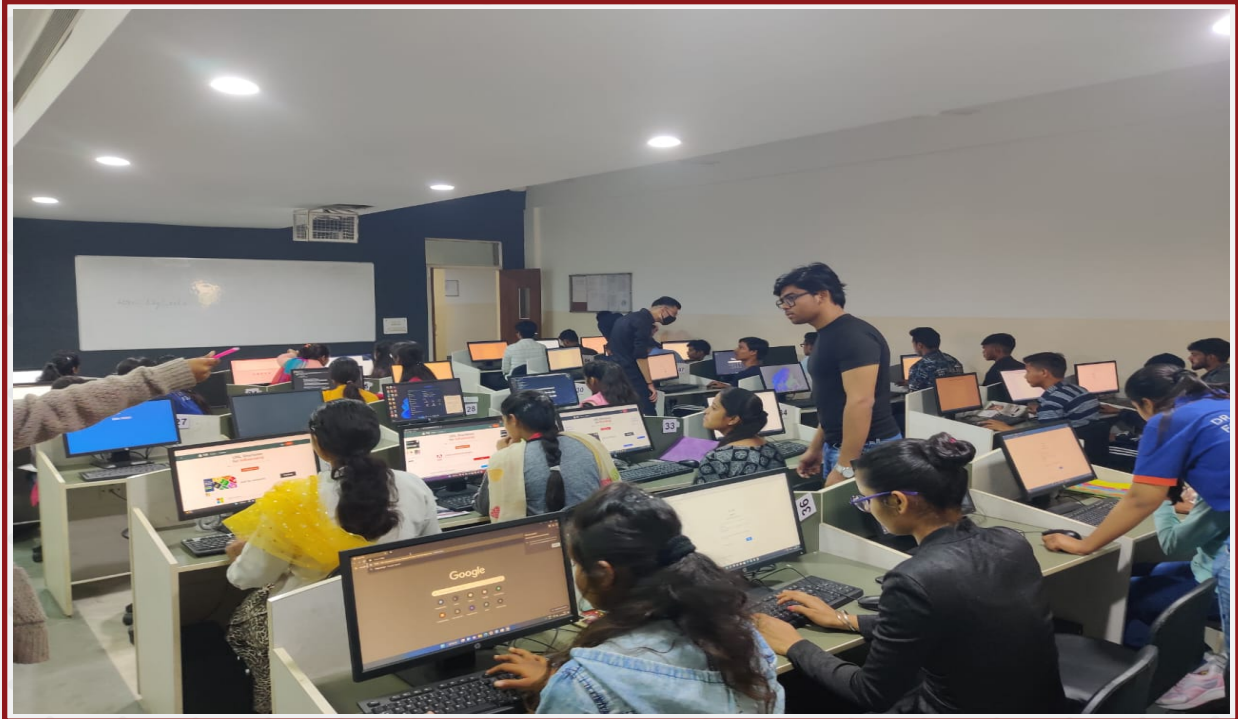https://dropbhallafoundation.org/kaushal-3/

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250 Students trained in Mohna in 2018-19

10 Vocational Labs in Faridabad

270 Students enrolled. 45 Students Completed the Course in 2022

50 students enrolled from GSSS Ankhir in 2023

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

- **Special Scholarship Scheme for students with low-income backgrounds**

The university runs various anti-poverty programmes to address the poverty of MRIIRS and potential students. The students from all backgrounds are encouraged and considered for admission to the programmes as per their qualifying examinations. The students from low income backgrounds are supported through its Special Scholarship Program which is the initiative of MRIIRS in association with its ISR arm – Dr. O P Bhalla Foundation. Under this scheme, the scholarships are provided to the students of deprived, needy, or low-income backgrounds and marginalized communities of India and other lower-middle income countries. The Special Scholarship Program offers scholarships to students in the low-income category who wish to pursue education from Manav Rachna Educational Institutions through Merit cum Means. This initiative also focuses on students from EWS, Divyang Students, Single Income Families and other categories.

https://dropbhallafoundation.org/sponsor-a-student/

2. EDUCATIONAL TRAINING PROGRAMMES/ COMPETITIONS HELD AT MRIIRS

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)

- **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.
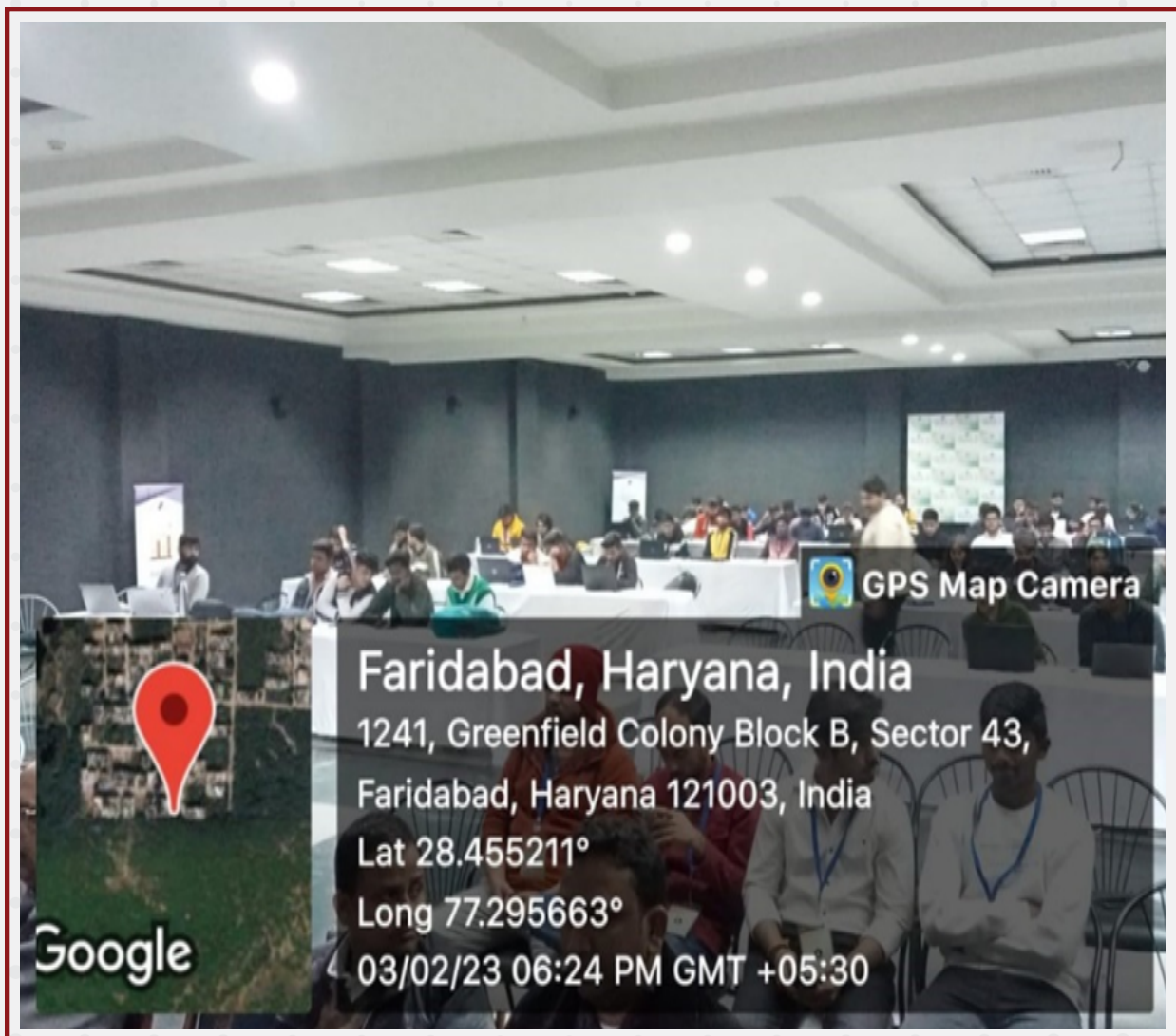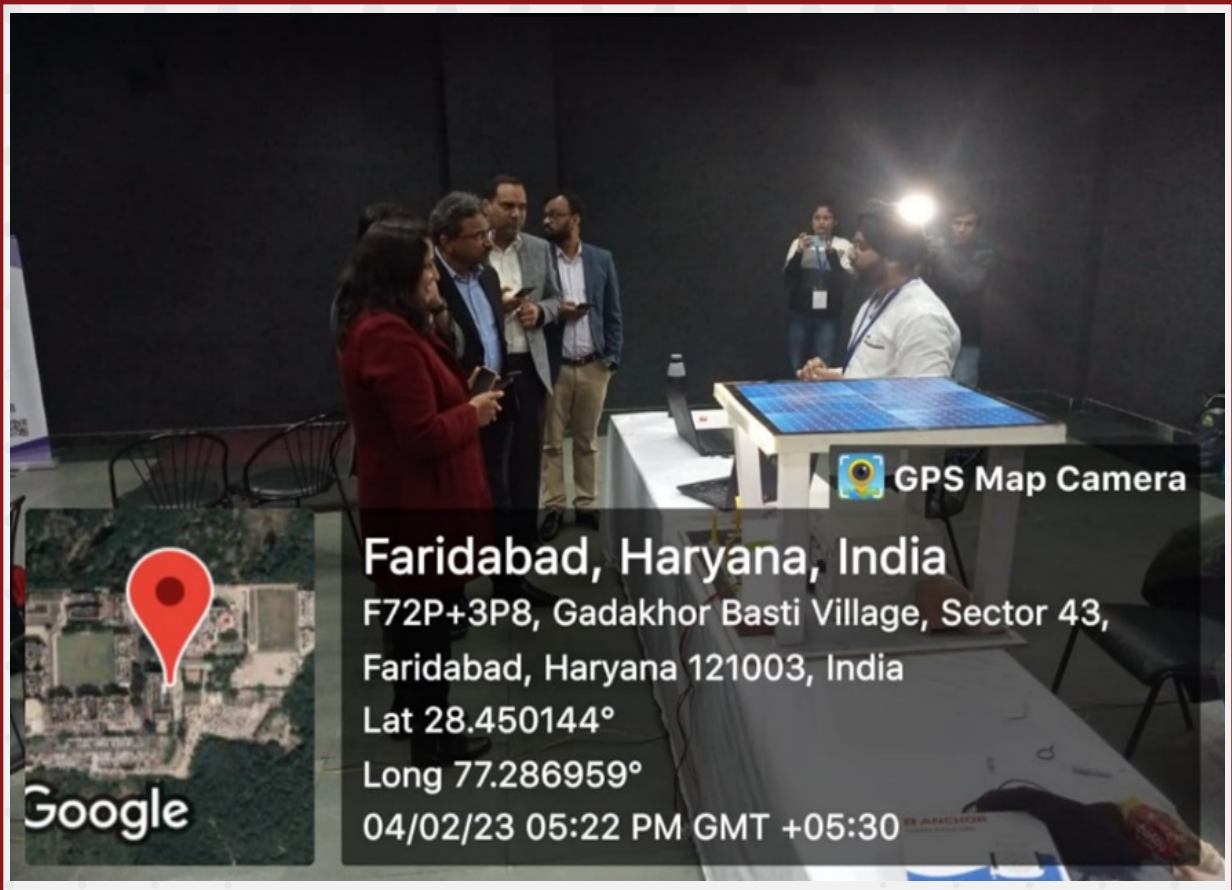
- **Green India Hackathon**

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

Faridabad, Haryana, India
F72P+3P8, Gadakhor Basti Village, Sector 43,
Faridabad, Haryana 121003, India
Lat 28.450144°
Long 77.286959°
04/02/23 05:22 PM GMT +05:30

● **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

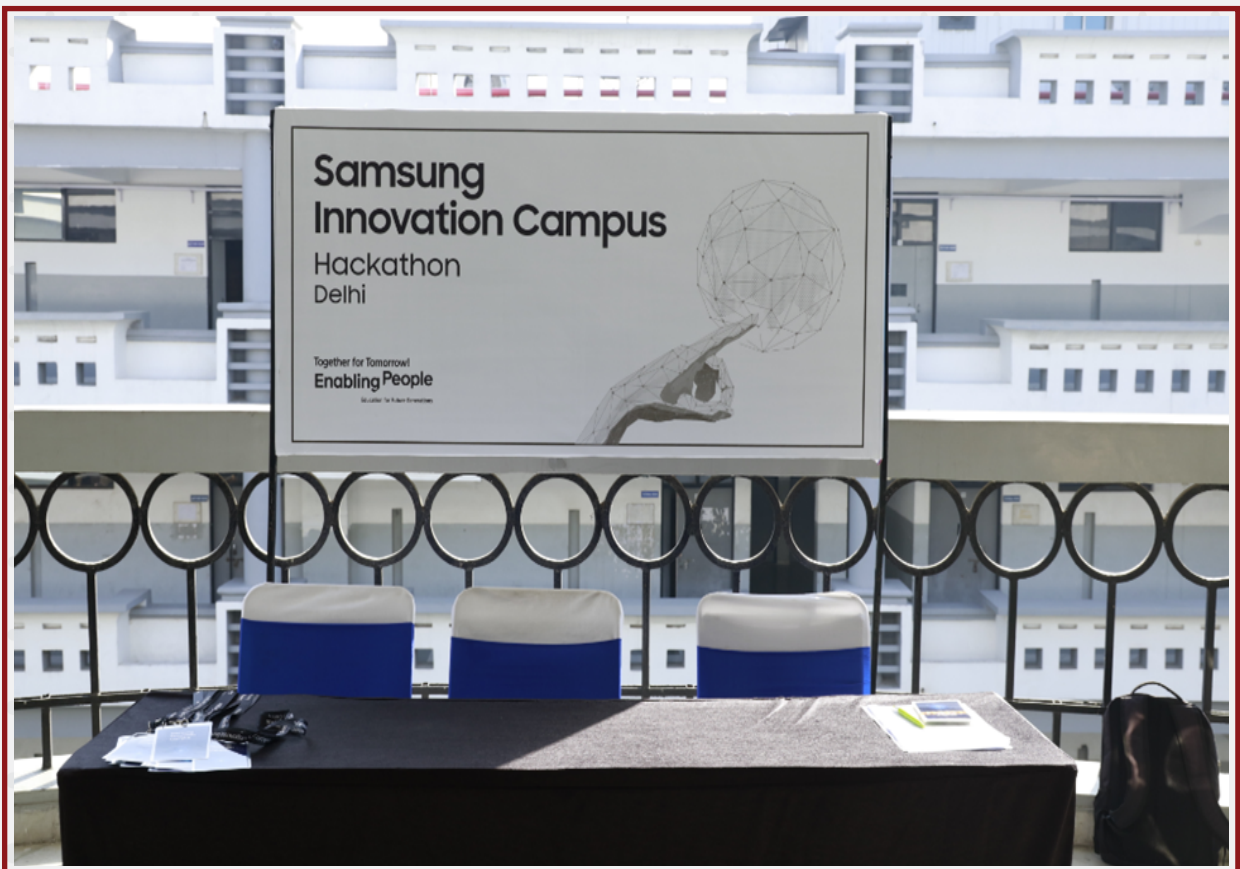**Students participating in ANUBHUTI-22**

- **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.

Students participating in Samsung Innovation Hackathon

Students participating in Samsung Innovation Hackathon

Students participating in Samsung Innovation Hackathon
Media Post: Samsung Innovation Hackathon hosted at MRIIRS

- **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.

Media Report: Smart India Hackathon 2022

3. EDUCATIONAL OUTREACH ACTIVITIES FOR LIFE LONG LEARNING

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.

The initiative, aligned with SDG1- No Poverty and SDG 4 - Quality Education 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 13000 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).

https://dropbhallafoundation.org/teachers-on-call/

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.

Student being rewarded for being a regular caller on
the Program and achieving good grades

Student being rewarded for being a regular caller on
the Program and achieving good grades

❖ **Teachers on Call: 1800-890-6006**

13000 + Students currently enrolled

45000+ Calls Received till date

300+ Volunteer Teachers

Student being rewarded for being a regular caller on the Program and achieving good grades
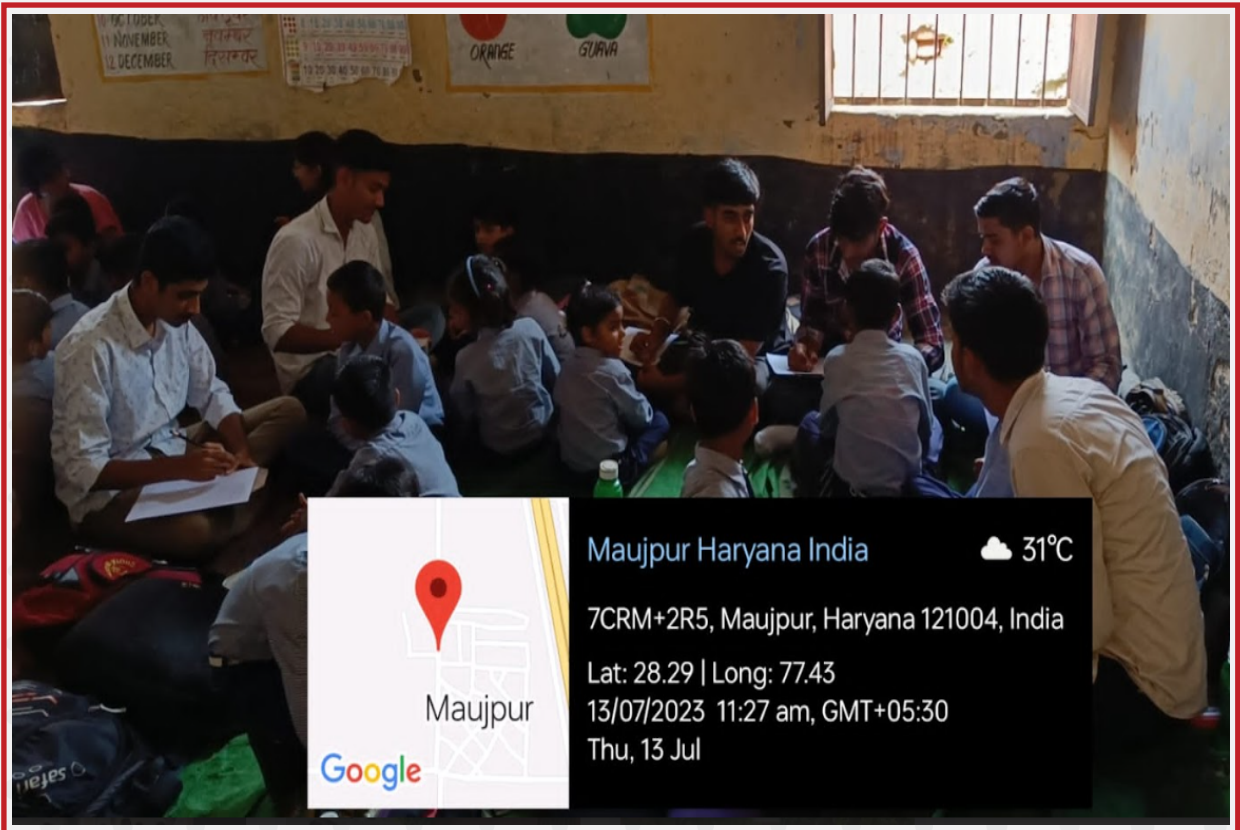

Volunteer Teachers being appreciated by Team of MRIIRS and Dr O P Bhalla Foundation

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

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

During MRIIRS orientation program, a student-led outreach project on reading that took place demonstrating a commitment to the Sustainable Development Goals (SDGs) on 14 July 2023. The initiative aimed to promote the importance of reading, literacy, and lifelong learning among students of Govt school, Village Maujpur and Panhera. Dr. Sadiqa Abbas and Dr Anjali Gupta along students conducted Storytelling sessions by sharing their favourite stories, poems, or excerpts from books. These sessions fostered a sense of community and emphasized the joy of reading and sharing stories.

Maujpur, Haryana, India
7CRM+2R5, Maujpur, Haryana 121004, India
Lat 28.290057°
Long 77.434385°
14/07/23 11:20 AM GMT +05:30
GPS Map Camera

Maujpur Haryana India   ☁ 31℃
7CRM+2R5, Maujpur, Haryana 121004, India
Lat: 28.29 | Long: 77.43
13/07/2023 11:27 am, GMT+05:30
Thu, 13 Jul
Maujpur
Google

● 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. On entering the gates of The Miracle Charitable Society, the volunteers were awestruck by the innocence and love the children there had to offer to them. The pure-heartedness of the children was evident during the various games and activities. 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.

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.

Students and Faculty members visited to different villages to educate village students

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

Under the SGD 4 on imparting Quality Education to all, a new initiative was started - '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).

- **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](#)

4. PROMINENT PUBLICATIONS

The prominent research publications addressing SDG 4 are as listed below:
Mapping Mindset about Gamification: Teaching Learning Perspective in UAE Education System and Indian Education System, Revue d'Intelligence Artificielle, International Information and Engineering Technology Association, (https://doi.org/10.18280/ria.370107)

Abstract: One can observe the dramatic change in the ongoing global pandemic impacts, and the speed of advancement in the educational learning system, particularly in virtual teaching learning process, has been extremely quick. Teachers' use of technology to deliver instruction to students via a ariety of platforms has a significant impact on how well those students learn. A variety of factors influence how well students learn and how well teachers teach, including how well they use the most effective teaching technique. Teachers' and students' perspectives on instructional strategies should take precedence. Empirical study will be undertaken to demonstrate that there are tactics and approaches, such as Gamification, that teachers may use to improve their teaching. The proposed study looked into teachers' reported usage and implementation of these instructional tactics in their classrooms in different schools in the United Arab Emirates (UAE) & India. The parents also adopted the strategies for digital transformation of their children. Participants in the research included teachers from schools in the United Arab Emirates and India. Motivation is to find and reveal that teachers are employing ICT approaches such as Gamification and are also extremely aware of and comfortable with new teaching methodologies. Other findings show that teachers in both countries agree on the necessity of using digital tools to improve the learning outcomes of their students.

Facets of life skills education-a systematic review, Quality assurance in education (https://doi.org/10.1108/qae-04-2022-0095)

The study aims to review the existing theories and literature related to life skills education for adolescents to construct a model portraying the inter-relatedness between these variables. This study discerns the inferences from the studies conducted earlier to propose various aspects to be considered for future research and interventions targeting the effectiveness of life skills education for adolescents. Design/methodology/approach Prolific examination of numerous theoretical and empirical studies addressing these variables was carried out to formulate assertions and postulations. Deducing from the studies in varied streams of education, public health, psychology, economics and international development, this paper is an endeavor toward clarifying some pertinent issues related to life skills education. Findings Although there is abundant evidence to encourage and assist the development of life skills as a tool to achieve other outcomes of interest, it is also important to see life skills as providing both instrumental and ultimate value to adolescents. Quality life skills education needs to be intertwined with the curriculum through the primary and secondary education, in the same way as literacy and numeracy skills. Originality/value The present study has important implications for educators and policymakers for designing effective life skills education programs. Additionally, this paper provides a three-step model based on Lewin's three step prototype for change, to impart life skills trainings to adolescents through drafting pertinent systems. This will help in imparting quality life skills education to adolescents and raising them to be psychologically mature adults.

Human Computer Interaction in Education, Indian Journal of Data Mining (IJDM), (http://doi.org/10.54105/ijdm.A1625.053123)

Human-Computer Interaction (HCI) is no longer the sole study of information technology or computer science but now it has covered the area of medical, entertainment, etc. As the application of HCI is increasing, so is the requirement of students to work in a multidisciplinary environment. Making students comfortable working in a multidisciplinary environment is not an easy task. The students are required to make pretty much aware and comfortable with the underlying problem statement. The evolution of HCI in education is to make sure that students can understand the concepts and working of the model in a more effective way. The goal of this project is to create a web-based e-Learning tool, 'Path Finding Visualizer'. It refers to computing an optimal route between the specified start node and goal nodes visualizing shortest path algorithms. The conceptual application of the project is illustrated by the implementation of algorithms like Dijkstra's, A*, and DFS. The end product is a web application so that any user can easily see and learn the working of the algorithms through perceivable visualizations. The user-friendliness of the project provides the user with easy instructions on how to operate it. The initial results of using the application show promised benefits of the e-Learning tool towards students getting a good understanding of shortest paths algorithms.

Designing Performance Metrics and Rubrics to Assess Student Outcome Attainment in Engineering Project Design Course, https://doi.org/10.1177/00220574211032587

The identification and development of efficient assessment and evaluation procedures (Performance Metrics) is crucial for analyzing Student Outcome attainment in Engineering Programs. The present paradigm shift in the education system has diverted the focus from teacher-centric approach to learner-centric approach. It involves the active involvement of students for their respective learning. Students are intended to perform better when they get opportunity to develop skills through experiential learning. In an engineering curriculum, Project-based courses are embedded to incorporate "learning by doing" approach and provide additional orientation to the theoretical courses studied. With this vision, the objective of this article is to present a process for continuous assessment and evaluation of graduates learning in their respective Project Design course. A sequenced procedure from defining Performance Metrics/Indicators (as per Bloom's learning levels) for Project course to evaluate results for assessing subsequent student outcome attainment level is presented. This includes development of Rubrics for selected student outcome (ABET-EAC2) related to Project design course, collating the data using direct and indirect assessment tools and their result analysis. Engineering Accreditation Commission (EAC) as defined by ABET (Accreditation Board for Engineering and Technology) has listed seven student outcomes. EAC2 defines capability of student to produce problem-specific potential design solutions to address functional requirement of societal and environmental needs. The methodology is described and implemented by taking sample data of one pass out batch of one of the Engineering Program at our Institute. The results are evaluated and analyzed according to the expected attainment level. A comprehensive analysis leads to designing and incorporation of subsequent improvement measures to establish accountability for Outcome-Based Education in terms of student's employability.

5. REGULAR SKILL SET ENHANCEMENT AT MRIIRS-CERTIFICATIONS EARNED BY STUDENTS

Skill set development and enhancement are the important component of institutional development. Students are encouraged to participate in Seminars/ Conferences/ Workshops/ Training Programs/ Short Term courses etc. within or outside the University. Sample certifications earned by students in the relevant areas of SDG 4 are as appended below:

- Speaking Effectively
- Soft Skills
- Enhancing soft Skills and Personality
- ·Effective Writing
- Human Behaviour
- ·News review
- Public Speaking
- Organizational Behavior
- English Language for Competitive Exams
- Emotional Intelligence
- Elements of Literature and creative communication
- Effective Writing
- Education for Sustainable Development
- The Psychology of Language
- Developing soft skills and personality
- Applied linguistic

NPTEL

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

SURAJ NAIDU

for successfully completing the course

Speaking Effectively

with a consolidated score of **65** %

Online Assignments	10.4/25	Proctored Exam	54.75/75

Total number of candidates certified in this course: **2076**

Jan-Mar 2023

(8 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

FREE ONLINE EDUCATION
swayam
शिक्षित भारत, उन्नत भारत

Roll No: NPTEL23HS13S24420507   To validate the certificate   No. of credits recommended: 2 or 3

Elite

NPTEL Online Certification
(Funded by the MoE, Govt. of India)

This certificate is awarded to

UNNATI SOMA

for successfully completing the course

Psychology of Stress, Health and Well-being

with a consolidated score of **66** %

Online Assignments	21.13/25	Proctored Exam	45/75

Total number of candidates certified in this course: **2046**

Jan-Apr 2023

(12 week course)

Prof. T. V. Bharat
Head, Centre for Educational Technology
NPTEL Coordinator, IIT Guwahati

Indian Institute of Technology Guwahati

FREE ONLINE EDUCATION
swayam
शिक्षित भारत, उन्नत भारत

Roll No: NPTEL23HS71S53552469   To validate the certificate   No. of credits recommended: 3 or 4

● MRIIRS Presence at Akhil Bhartiya Shiksha Samagam 2023

The AKHIL BHARTIYA SHIKSHA SAMAGAM 2023 took place at IECC, Pragati Maidan, on July 29-30, 2023. The event commemorated the celebrations of the National Education Policy 2020, organized by the Ministry of Education, Government of India. Honorable Prime Minister of India, Shri Narendra Modi Ji, Graced the prestigious occasion. The Honorable Prime Minister of India addressed the gathering, which was also streamed live on MRIIRS campus for the resident students. Among the attendees were top-performing IIT's, NIT's and Universities from different States of the Country.

Faculty members and Students of Manav Rachna International Institute of Research and Studies, who were selected by the Ministry of Education and AICTE, under the program of AKAM - EBSB for the Yuva Samagam 2023, were able to attend the event. The "Ek Bharat Shreshtha Bharat Program " under the Azadi Ka Amrit Mahotsav scheme was mooted by the Honorable Prime Minister, Shri Narendra Modi Ji with a visionary mindset of achieving unity and integrity. The programme aims at promoting mutual understanding and interaction between participants of paired States and Union Territories. The Manav Rachna International Institute of Research and Studies has emerged to be the first institution in India which has succeeded as both the "Sender" as well as "Receiver" Institution with the paired state Telangana.

Dr. Gurjeet Kaur Chawla, Dean, Students Welfare, MRIIRS, was nominated as the Nodal Officer for the event. Dr. Pooja Khurana, Deputy Director, Students Welfare and Mr. Sumit Hela, from MRIS Charmwood also attended the event. Students from MRIIRS: Bhavesh Kumar, B.Tech CSE; Ajay Kumar, B.Tech EEE; Ritika Kapoor, BPT and Monika Bhati, BCA were nominated for the YUVA SANGAM. They got enrolled into multiple sessions and interacted with different Officials, Delegates, Professors and Ministers. Nominated students interacted with dignitaries and shared their views regarding EBSB as a sender and receiver between paired states Haryana and Telengana. They were allotted certain responsibilities during the two day event and also volunteered in Scientific Sessions. During the Sessions, Dr. Anil Sahasrabudhe, who previously served as the Chairman of AICTE and currently holds the position of Chairman EC-NAAC, along with representatives from MoE, UGC, Electronics Sector Skill Council of India, and Venture capitalists, engaged in productive interactions. The focus of these discussions was to explore and understand the research and innovation capabilities. Dr. B. Sharmila, the Convener of National Innovation and Start Up Policy, Mrs. G. Rathi, the Convener of IIC, and Dr. Raveen Rangasamy, the Coordinator of Collaborative Innovation Centre played significant roles in facilitating these interactions and showcasing the potential and accomplishments of SEC in the fields of research and innovation.

- **MRIIRS Presence at International Conference On Sustainability Education 2023**

Keeping the name of Manav Rachna high in cultural activities Paigam- the Dramatic and Film(s) Society of Manav Rachna International Institute of Research and Studies was invited to perform Nukkad Natak at the 4th International Conference on Sustainability Education on 9th September 2022. The two days conference was held in SCOPE Complex, Jawaharlal Nehru Stadium Marg, Pragati Vihar, New Delhi and featured several keynote addresses in 3 plenaries, 17 thematic sessions, exhibition, oral and poster presentations besides inaugural and concluding plenaries. The conference offered a host of special highlights with key environmental organizations such as UNESCO, UNEP, Center for Environment Education (CEE), Foundation for Environmental Education (FEE, Copenhagen), The Climate Reality Project India, The Energy and Resource Institute (TERI), WWF India, amongst many others as partners.

On this occasion, Paigam members performed a Nukad Natak "DASTAN-E-HIND" demonstrating the importance of the environment in today's world and how we can become pollution-free while incorporating the role of Quality Education in life long learning. The students were accompanied by Mr. Ajoy Banerjee, Assistant Professor FMS- UG, and Ms. Yashika Hasija, Manager Students Welfare. The participants received a standing ovation and were praised for their sheer hard work and learning on the topic.

Manav Rachna International Institute of Research and Studies

(Deemed to be University under section 3 of the UGC Act,1956)

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PROGRESS REPORT

2022-23