

4.3.3 - Vocational Training for General Public

Organizing vocational training for individuals who are not attending university is crucial for fostering an inclusive and skilled workforce. These training programs provide practical, job-specific skills that can significantly enhance employability and career prospects. Here are several key benefits:

Bridging the Skills Gap: Vocational training addresses the mismatch between the skills that job seekers possess and the skills that employers need. It equips individuals with relevant competencies, ensuring they are prepared for the demands of the job market.

Economic Empowerment: By gaining specialized skills, individuals can access better job opportunities, higher wages, and career advancement. This economic empowerment leads to improved living standards and reduced poverty levels.

Inclusive Education: Vocational training offers an alternative education pathway for those who may not have the opportunity or resources to pursue traditional academic routes. It provides a practical and accessible way for individuals to acquire valuable skills.

Supporting Diverse Learners: These programs cater to a wide range of learning preferences and needs, offering hands-on, experiential learning that can be more engaging and effective for many individuals compared to conventional classroom-based education.

Enhancing Innovation and Productivity: A workforce equipped with diverse skills contributes to greater innovation and productivity within industries. Vocational training fosters a culture of continuous improvement and adaptability, which is essential in today's rapidly changing job market.

Community Development: By providing local residents with the skills needed to fill jobs in their communities, vocational training supports local economies and contributes to community development.

Reducing Unemployment: Vocational training programs can help reduce unemployment rates by providing individuals with the skills needed to secure stable and rewarding employment.

In summary, vocational training is a vital component of a comprehensive education system. It plays a critical role in preparing individuals for the workforce, fostering economic growth, and promoting social inclusion. By investing in these programs, we can create a more equitable and prosperous society.

Manav Rachna University understands the importance of vocational education in 21st century and for this reason all the courses are mapped with vocational aspect for its students. Moreover, being a global citizen, we offer vocational education to the community as well.

The document shares the sample reports of some of the training sessions/workshops organised in the academic year 2022-23.

SAMPLE REPORTS:

Report of the Online Workshop on Adolescent Growth and Mental Health

Date: 19/08/2022, 27/08/2022, 02/09/2022, 12/09/2022, 17/09/2022

Time: 02:00 pm-03:00pm

Event Coordinator: Mr. Chandra Prakash Singh, Assistant Professor, School of Education & Humanities, Manav Rachna University

The series of sessions on adolescent growth and mental health, organized by the School of Education & Humanities at Manav Rachna University, brought together experts from diverse fields to address the holistic development and well-being of young adults. Topics spanned foundational concepts in adolescent growth, the influential roles of parents, teachers, and society, the specific needs of adolescents with disabilities, and effective counseling techniques. Led by accomplished professionals fostering a supportive environment for adolescents, emphasizing mental health, inclusivity, and proactive developmental support.

Topics Covered:

Concept of Growth, Development & Deviation: Ms. Fatima initiated the series by discussing the fundamental concepts of growth, development, and deviation. The session highlighted developmental milestones and the importance of recognizing deviations early to address potential challenges in adolescent growth effectively.

Role of Parents, Teachers, and Society in the Development of Adolescents: Ms. Bhown underscored the collaborative role of parents, teachers, and society in shaping adolescents. By examining different developmental stages, the session explored strategies to foster positive growth, highlighting the need for a supportive ecosystem to guide adolescents through their formative years.

Issues of Adolescents with Disabilities: Dr. Singh addressed the unique challenges faced by adolescents with disabilities, including social and educational barriers. He provided insights into the importance of inclusive practices and policies to ensure equal opportunities for these individuals to thrive academically and socially.

Counseling Young Adults: Ms. Arora focused on counseling techniques specifically tailored for young adults. Her session highlighted approaches for addressing anxiety, stress, and peer pressure, empowering attendees with strategies to provide effective psychological support to adolescents in critical stages of their lives.

Ensuring Mental Health among Adolescents: Dr. Rajput emphasized the importance of mental health care for adolescents, discussing early identification of mental health issues and intervention techniques. She stressed the necessity of creating safe, supportive environments in educational institutions where students can openly discuss and address mental health concerns.

Speakers:

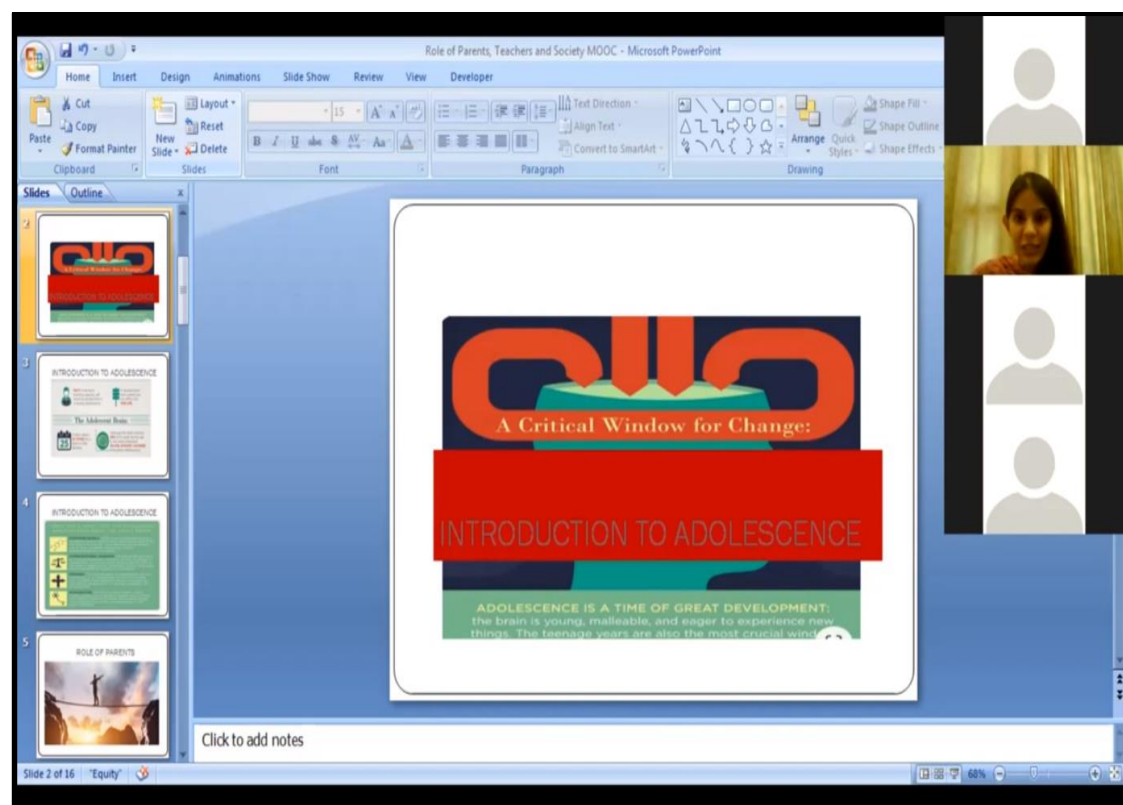
The workshop featured distinguished experts who brought diverse expertise in mental health, education, and support for adolescents and individuals with disabilities.

- ***Ms. Zainab Fatima, Mental Health Counselor at IamEars***
- ***Ms. Reshma Bhown, Assistant Professor, School of Education & Humanities, Manav Rachna University, Faridabad***

- *Dr. Ravi Prakash Singh, Officer Incharge, National Institute for the Empowerment of Persons with Intellectual Disabilities, Regional Center, Navi Mumbai*
- *Ms. Trinkha Arora, Senior Consultant Clinical Psychologist, Max Super Speciality Hospital, Saket, New Delhi*
- *Dr. Gunjan Rajput, Deputy Registrar - Academic Operations, Rishihood University, Sonapat, Haryana*

Participant Engagement:

A total of 105 participants actively engaged in the workshop, contributing to vibrant discussions, asking insightful questions, and sharing their own experiences and perspectives.



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Domains of Development

Human development is comprised of four major domains: physical development, cognitive development, social-emotional development, and language development.

Physical Development: Physical development is defined as the biological changes that occur in the body and brain, including changes in size and strength, integration of sensory and motor activities, and development of fine and gross motor skills.

Cognitive Development: Cognitive development is defined as the changes in the way we think, understand, and reason about the world.

Language Development: Infants understand words before they can say. In other words, comprehension precedes production of language. Children differ enormously in the rate at which they develop language. The four different aspects of language include all of the following; **phonology** - the sounds that make up the language, **syntax** - the grammar of the language, **semantics** - the meanings of words, and **pragmatics** - how we use language in social situations to communicate.

Ms. Fatima

Conclusion:

In conclusion, the sessions provided a comprehensive perspective on the developmental and mental health needs of adolescents, underlining the crucial role of a supportive community that includes parents, educators, and mental health professionals. Through practical insights into adolescent growth, inclusive practices, and mental health support, the series empowered participants to recognize and address the unique challenges faced by young adults today. The expertise shared by the speakers reinforced the importance of collaborative efforts in building an environment where adolescents can thrive both academically and personally. This initiative by the School of Education & Humanities at Manav Rachna University underscored its commitment to advancing holistic and inclusive practices that foster the well-being of future generations.

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Ms Zainab Fatima
Mental Health Counselor at IamEars

National Webinar on:
Concept of Growth, Development & Deviation

DATE: 19 • 08 • 2022
TIME: 2:00-3:00 PM

Zoom Link:
<https://mrvpl.zoom.us/j/9494022390?pwd=NlhSRjVSNW5mbEgyK1htVW5YNHhZCUT09>

Course Developer & Moderator
Dr Rashee Singh
Manav Rachna University

Course Developer & Moderator
Mr Chandea Prakash Singh
Manav Rachna University






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Ms Reshma Bhowan
 Assistant Professor, School of Education & Humanities
 Manav Rachna University, Faridabad

National Webinar on:
Role of Parents Teachers and Society in the Development of Adolescents

DATE: 27. 08. 2022
 TIME: 2:00-3:00 PM
 Zoom Link:
<https://mrvpl.zoom.us/j/9494022390?pwd=NVhsRjVSNWxmbEgyK1htVWxYNHhZCUT09>



Course Developer
 & Moderator
 Dr Rashee Singh
 Manav Rachna University



Course Developer
 & Moderator
 Mr Chandra Prakash Singh
 Manav Rachna University






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Dr Ravi Prakash Singh
 Officer Incharge, National Institute for the Empowerment of
 Persons with Intellectual Disabilities, Regional Center, Navi Mumbai

National Webinar on:
Issues of Adolescents with Disabilities

DATE: 02. 09. 2022
 TIME: 2:00-3:00 PM
 Zoom Link:
<https://mrvpl.zoom.us/j/9494022390?pwd=NVhsRjVSNWxmbEgyK1htVWxYNHhZCUT09>



Course Developer
 & Moderator
 Dr Rashee Singh
 Manav Rachna University



Course Developer
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 Mr Chandra Prakash Singh
 Manav Rachna University






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Ms Trinkar Arora
 Senior Consultant Clinical Psychologist
 Max Super Speciality Hospital, Saket, New Delhi

National Webinar on:
Counselling Young Adults

DATE: 12. 09. 2022
 TIME: 4:00-2:00 PM
 Zoom Link:
<https://mrvpl.zoom.us/j/9494022390?pwd=NVhsRjVSNWxmbEgyK1htVWxYNHhZCUT09>



Course Developer
 & Moderator
 Dr Rashee Singh
 Manav Rachna University



Course Developer
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 Mr Chandra Prakash Singh
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Dr. Gunjan Rajput
Deputy Registrar - Academic Operations
Rishikood University, Sonapat, Haryana

**National Webinar on:
Ensuring Mental Health among Adolescents**

DATE: 17 • 10 • 2022
TIME: 10:30-11:45 AM

Zoom Link:
<https://us05web.zoom.us/j/810060896912>
pwd: NVJ1OC81QmHjblIp
mRTLzeC85dlIpKUT09

Course Developer
& Moderator
Dr. Roshni Singh
Manav Rachna University

Course Developer
& Moderator
Mr. Chandra Prakash Singh
Manav Rachna University

Report of the Online Workshop on Inclusive Practices

Date: 22nd -26th August 2022, Time:02:00 pm-03:00pm

Event Coordinator: Mr. Chandra Prakash Singh, Assistant Professor, School of Education & Humanities, Manav Rachna University

The Online Workshop on Inclusive Practices, organized by the School of Education & Humanities at Manav Rachna University, unfolded from August 22 to 26, 2022. The workshop aimed to delve into various facets of inclusion, diverse learning styles, and the transformative power of art integration in the context of Universal Design for Learning (UDL). The event brought together educators, researchers, and practitioners keen on fostering an inclusive and equitable learning environment.

Topics Covered:

Inclusion Needs and Principles: Dr. Ritu Sharma, Assistant Professor at the School of Education & Humanities, Manav Rachna University, initiated the workshop by exploring the fundamental needs and principles of inclusive education. The session laid the groundwork for understanding the significance of creating classrooms that cater to diverse needs.

Diverse Learners & Their Learning Styles: Mr. Chandra Prakash Singh, also an Assistant Professor at the School of Education & Humanities, Manav Rachna University, deepened the discussion by shedding light on the various learning styles exhibited by diverse learners. Participants gained insights into tailoring teaching methodologies to accommodate these differences effectively.

Empowering CWSN (Children With Special Needs) Through UDL: Dr. Ritu Sharma further elucidated the application of Universal Design for Learning in empowering Children With Special Needs. The session underscored the role of technology and instructional design in making education accessible to all.

Art Integration: A New Era of Learning: Mr. Chandra Prakash Singh introduced the participants to the innovative realm of art integration in education. This session emphasized the transformative potential of incorporating art into various subjects, making learning a more engaging and holistic experience.

UDL Through Art Integration: The final segment of the workshop brought together the concepts of UDL and art integration. Dr. Ritu Sharma and Mr. Chandra Prakash Singh collaborated to showcase practical examples of how these methodologies can synergize to create an inclusive and stimulating learning environment.

Speakers:

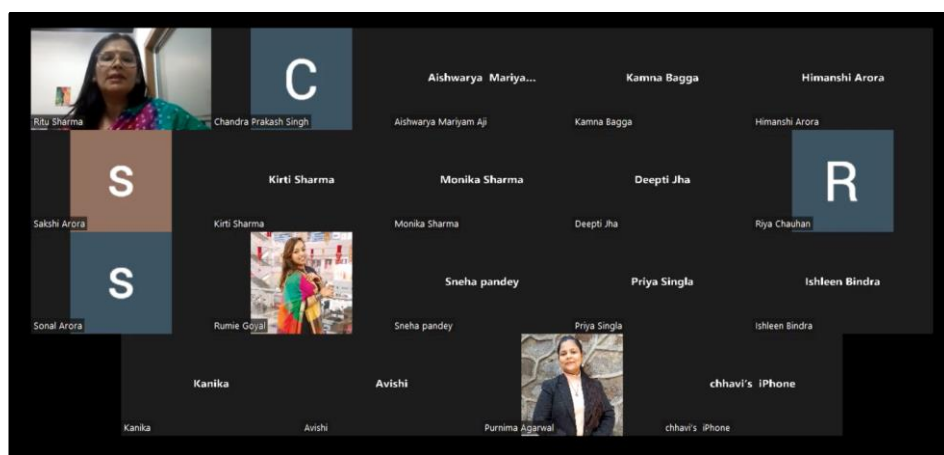
The workshop featured distinguished speakers from the School of Education & Humanities at Manav Rachna University:

Dr. Ritu Sharma, Assistant Professor

Mr. Chandra Prakash Singh, Assistant Professor

Participant Engagement:

A total of 82 participants actively engaged in the workshop, contributing to vibrant discussions, asking insightful questions, and sharing their own experiences and perspectives.



Conclusion:

The Online Workshop on Inclusive Practices served as a comprehensive platform for educators to enhance their understanding of inclusive education, diverse learning styles, and the transformative power of art integration. The collaboration between Dr. Ritu Sharma and Mr. Chandra Prakash Singh, along with the active participation of attendees, made this event a valuable and enriching experience for all involved. The

School of Education & Humanities at Manav Rachna University continues to be a beacon in promoting inclusive and innovative teaching practices.

ONLINE WORKSHOP ON INCLUSIVE PRACTICES
Diversity · Equity · Inclusion

SAVE THE DATE
22-26 AUGUST 2022
TIME: 02:00-03:00 PM

SPEAKERS

 **MANAV RACHNA UNIVERSITY**
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SCHOOL OF EDUCATION & HUMANITIES


Dr Ritu Sharma
Assistant Professor


Mr Chandra Prakash Singh
Assistant Professor

TOPICS TO BE COVERED

- **INCLUSION: NEEDS AND PRINCIPLES**
- **DIVERSE LEARNERS & THEIR LEARNING STYLES**
- **EMPOWERING CWSN THROUGH UDL**
- **ART INTEGRATION: A NEW ERA OF LEARNING**
- **UDL THROUGH ART INTEGRATION**

CLICK ON THE LINK TO REGISTER
<https://forms.gle/1tdZDTbaBBN55phf7>



Report of the Short Term Course on “SCILAB Programming for Beginners

Academic Year 2022-2023

**Event Coordinator: Prof. Balwinder S. Dhaliwal, Associate Professor, ECE,
NITTTR**

The Department of Electronics and Communication Engineering, in association with NITTTR, Chandigarh, organized a Short Term Course (STC) on “SCILAB Programming for Beginners.” The course aimed to introduce the basics of Scilab programming, an open-source software for numerical computation. The event was hosted by Prof. Balwinder S. Dhaliwal, Associate Professor, Electronics and Communication Engineering, NITTTR.

Topics Covered:

Introduction to SCILAB Programming:

Prof. Balwinder S. Dhaliwal led the session by introducing Scilab, explaining its relevance as an open-source software tool used for numerical computations, data analysis, and scientific applications. The session aimed to equip participants with fundamental programming skills needed to use Scilab effectively.

Electronics & Communication Technologies:

Dr. Dhaliwal and his team expanded the discussion to include the latest technologies in the field of Electronics and Communication. They covered how programming languages like Scilab can complement and enhance work in electronics, offering practical tools for solving engineering problems.

Programming Software in Electronics & Communication:

Dr. Dhaliwal motivated faculty members by discussing various other programming software available in the field of Electronics and Communication. He highlighted the significance of using the right tools and technologies to stay ahead in the rapidly evolving field.

Participant Engagement:

A total of 36 participants attended the course, including faculty members and professionals eager to learn and enhance their skills in Scilab programming. The STC saw an active participation from attendees who asked questions, clarified doubts, and shared their own experiences related to programming and technological advancements in their respective fields.



Conclusion:

The Short Term Course on “SCILAB Programming for Beginners” was a highly motivating and informative session, successfully introducing participants to the essentials of Scilab programming. Prof. Balwinder S. Dhaliwal’s insightful guidance and the interactive nature of the course helped clear many doubts and empowered attendees to apply the newly acquired knowledge in their professional work. The event successfully achieved its goal of enhancing the understanding of programming software in the field of Electronics and Communication.



Report of the Online STC on “Insights into AI and ML for Image Processing Techniques

Academic Year 2022-2023

**Event Organizer: Department of Electronics & Communication Engineering,
Manav Rachna University**

The Department of Electronics & Communication Engineering at Manav Rachna University organized an online Short-Term Course (STC) on “Insights into AI and ML for Image Processing Techniques” in collaboration with NIT Warangal. The course aimed to provide participants with a comprehensive understanding of the integration of Artificial Intelligence (AI) and Machine Learning (ML) techniques in image processing, a rapidly evolving area in the field of electronics and communication.

Topics Covered:

Introduction to AI and ML in Image Processing:

The course began with an overview of AI and ML technologies, highlighting their growing relevance in various applications. The sessions covered the fundamentals of how AI and ML can be leveraged for image processing tasks, from basic concepts to advanced techniques.

AI and ML Algorithms for Image Analysis:

The course covered various AI and ML algorithms used for processing and analyzing images. Key topics included convolutional neural networks (CNNs), deep learning models, and other computational methods that enhance image recognition, classification, and feature extraction.

Applications of AI and ML in Image Processing:

The speakers delved into real-world applications where AI and ML are revolutionizing image processing. This included areas such as medical imaging, autonomous vehicles, facial recognition, and industrial automation.

Hands-on Training and Case Studies:

