

Sustainable Development Goals (SDGs)

Report

(Session 2023-2024)



Centre for Sustainability
Maharishi Markandeshwar (Deemed to be University),
Mullana - 133 207, Ambala, Haryana
(Accredited by NAAC with Grade 'A++')

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Introduction

Maharishi Markandeshwar (Deemed to be University) based in Mullana, Ambala, India, stands as a premier institution in North India, recognized for delivering quality education across technical, medical, and diverse professional fields. Since its inception, MM (DU) has pursued excellence in research, innovation, and skill development, shaping future leaders through an industry-oriented education system that prepares students to excel in their professional careers.

MM (DU) has achieved numerous accolades that highlight its commitment to academic and institutional excellence. Accredited by the National Assessment and Accreditation Council (NAAC) with the prestigious “A++” grade, MM (DU) has also been granted Category-I status with graded autonomy by the University Grants Commission (UGC). In the National Institutional Ranking Framework (NIRF), Maharishi Markandeshwar (Deemed to be University), Mullana, was ranked 71st among universities in India. Its constituent Medical Institute secured the 35th position in the Medical category, while the College of Pharmacy was ranked 26th in the Pharmacy category. These rankings reflect the University's sustained commitment to excellence in teaching, research, healthcare, and professional education.

On the global stage, Maharishi Markandeshwar (Deemed to be University), Mullana, continued to strengthen its international reputation through its performance in globally recognised university rankings. In the Times Higher Education (THE) World University Rankings by 2024, the University was placed in the 601–800 global rank band for the Clinical and Health subject area, reflecting its excellence in medical education and research. MM(DU) also maintained its presence in the QS Asia University Rankings in the 551–600 rank band, reaffirming its standing among leading universities in Asia. These recognitions highlight the University's sustained commitment to academic excellence, research, innovation, and international engagement.

The university's extensive academic infrastructure includes a range of constituent institutions, offering a wide array of courses at various levels across campuses in Mullana, Sadopur, and Solan. MM (DU) also provides specialized programs through institutes such as the MM Engineering College, MM College of Dental Sciences & Research, MM Institute of Medical Sciences & Research, MM College of Pharmacy, and many others, all regulated by respective national bodies like the National Medical Council of India (NMC), Dental Council of India (DCI), and others. Further, the B.Pharm program is accredited by the National Board of Accreditation (NBA), and MM Medical Hospital holds accreditation from the National Accreditation Board for Hospitals & Healthcare Providers (NABH). The MM Institute of Medical Sciences and Research has also achieved ISO 15189: 2012 accreditation from the

National Accreditation Board for Testing and Calibration Laboratories (NABL), reflecting the institution's commitment to excellence in healthcare and education.



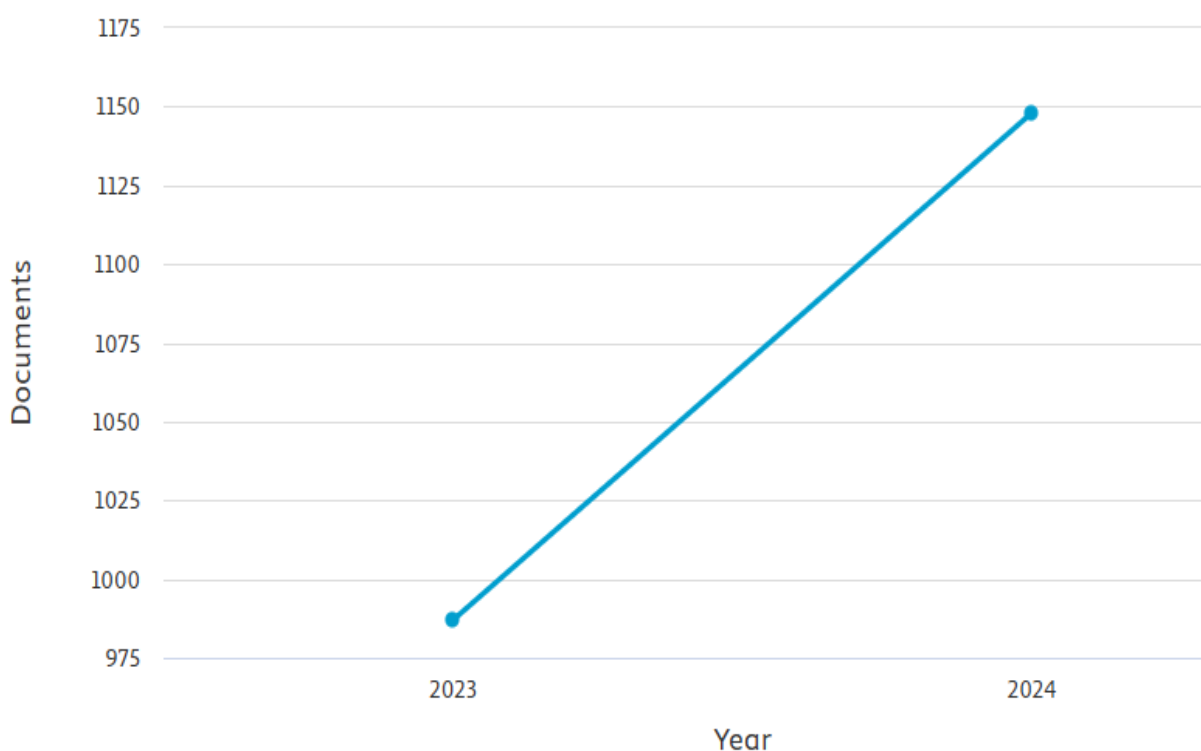
In 2024, Maharishi Markandeshwar (Deemed to be University), Mullana, strengthened its digital education initiatives through MM(DU) Online by offering UGC-entitled online degree programmes in key disciplines, including MBA, MCA, M.Sc. (Mathematics), BBA, BCA, and B.Com. (Hons.). These programmes were designed to provide flexible, high-quality education aligned with the National Education Policy (NEP) 2020 and the evolving needs of learners and industry. Through a diverse set of programs, institutes, and initiatives, MM (DU) demonstrates a steadfast dedication to quality education, research, and sustainable development aligned with global standards and objectives.

Research Profile

Maharishi Markandeshwar (Deemed to be University), Mullana, experienced a significant expansion in Scopus-indexed research output during 2024, reflecting sustained academic development, growing research capacity, and continuous progress toward achieving greater national and international research excellence. The Scopus analysis retrieved a total of 2,135 documents, indicating a substantial volume of research output during the selected two-year period. The data reveal that the university produced 987 Scopus-indexed documents in 2023, which increased to 1,148 documents in 2024. This represents an absolute increase of 161 publications within a single year. In percentage terms, the publication output grew by

approximately 16.3%, demonstrating a strong and sustained improvement in research productivity. Such an increase reflects the institution's expanding contribution to internationally indexed scientific literature and suggests continued emphasis on research excellence across its constituent faculties and academic departments. The increase from 987 to 1,148 publications demonstrates not only improved publication productivity but also enhanced institutional research visibility within the global Scopus database. Such growth is generally associated with stronger research collaboration networks, higher faculty engagement in scholarly activities, improved institutional research policies, and increasing participation in internationally recognised journals. This sustained output likely supports MM (DU)'s goals to maintain and improve its standing in rankings such as the Times Higher Education Impact Rankings and the QS Asia University Rankings. The increase in publications contributes positively to MM (DU)'s visibility and impact in the academic community, potentially enhancing its global ranking and influence, particularly in fields such as healthcare, engineering, and management.

Documents by year



This consistent growth highlights MM (DU)'s expanding research footprint and its alignment with global standards in academia.

Based on the pie chart and data provided, here is an analysis of the types of publications produced by Maharishi Markandeshwar (Deemed to be University) [MM(DU)]:

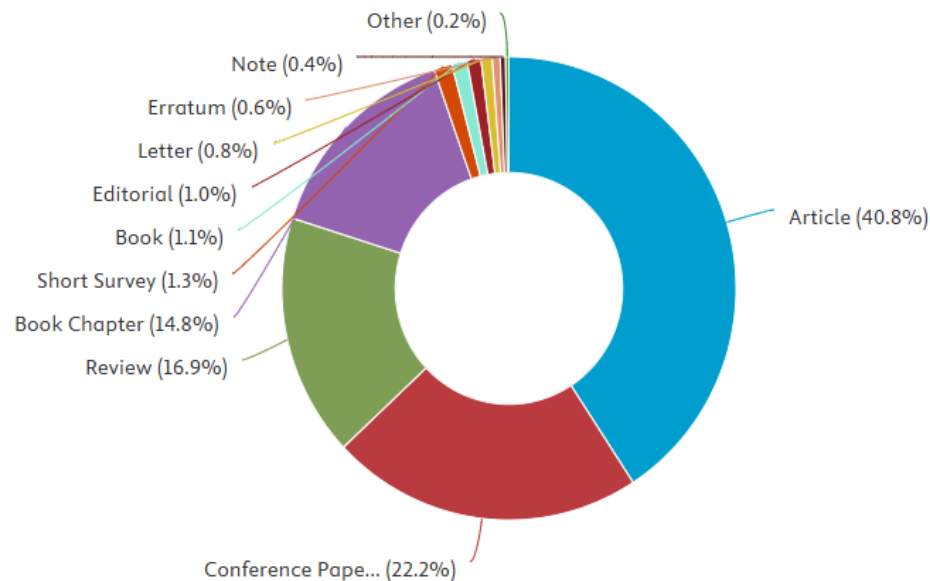
Types of Publications

Articles (40.8%): Articles constitute the largest share of Maharishi Markandeshwar (Deemed to be University)'s research output during 2023–2024, with 871 publications. This demonstrates the university's strong emphasis on publishing original research across diverse academic disciplines, reflecting sustained research productivity and scholarly contribution.

Conference Papers (22.2%): Conference papers represent the second-largest category, comprising 474 publications. This substantial contribution highlights the university's active participation in national and international scientific conferences, facilitating the dissemination of emerging research findings and fostering academic collaborations.

Reviews (16.9%): A total of 361 review articles were published during the study period. The considerable proportion of review papers indicates the institution's commitment to synthesizing existing scientific knowledge, identifying research gaps, and supporting evidence-based advancements across multiple disciplines.

Documents by type



Book Chapters (14.8%): The university contributed 315 book chapters, demonstrating its active involvement in scholarly books and edited volumes. These publications support the

dissemination of specialized knowledge and strengthen the institution's academic and educational impact.

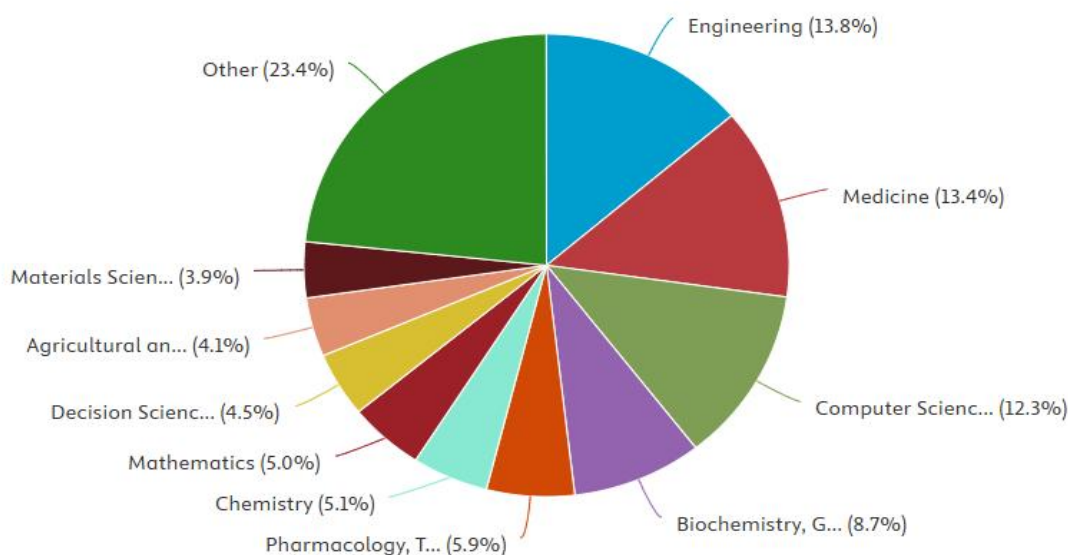
Other Publication Types (5.3%): The remaining research output consists of Short Surveys (28; 1.3%), Books (23; 1.1%), Editorials (21; 1.0%), Letters (17; 0.8%), Errata (12; 0.6%), Notes (0.4%), and Other document types (0.2%). Although these categories account for a smaller proportion of the total publications, they collectively demonstrate the university's diversified scholarly communication and engagement in various forms of academic publishing.

Sustainability Through Diversified Research

The subject area data extracted from the Scopus database (2023–2024) demonstrates Maharishi Markandeshwar (Deemed to be University)'s commitment to sustainability through multidisciplinary research addressing global scientific, technological, environmental, and healthcare challenges. The updated sustainability-oriented inferences are as follows:

Engineering and Technological Solutions for Sustainability: Engineering (659 documents; 13.8%) represents the largest research domain at MM(DU), followed closely by Computer Science (585 documents; 12.3%). These disciplines highlight the university's strong emphasis on technological innovation, sustainable engineering practices, digital transformation, artificial intelligence, smart systems, and environmentally responsible manufacturing. Research in these areas contributes significantly to resource-efficient technologies, renewable energy systems, automation, and sustainable infrastructure development.

Documents by subject area



Biomedical and Health Research for Sustainable Healthcare: Medicine (638 documents; 13.4%) constitutes another major research strength, complemented by Biochemistry, Genetics and Molecular Biology (414 documents; 8.7%) and Pharmacology, Toxicology and Pharmaceutics (279 documents; 5.9%). These disciplines demonstrate MM(DU)'s continued commitment to advancing sustainable healthcare through disease prevention, precision medicine, drug discovery, biotechnology, and improved public health outcomes while supporting global health-related Sustainable Development Goals (SDGs).

Environmental, Agricultural and Resource Sustainability: Agricultural and Biological Sciences (4.1%) continue to support research focused on sustainable agriculture, biodiversity conservation, food security, and ecosystem resilience. These research activities contribute to climate change adaptation, natural resource conservation, and environmentally sustainable agricultural practices, reinforcing the university's commitment to ecological sustainability.

Materials, Chemical and Industrial Sustainability: Materials Science (3.9%) together with Chemistry (242 documents; 5.1%) reflects the university's growing focus on sustainable materials, green chemistry, advanced functional materials, and energy-efficient technologies. These research efforts facilitate the development of eco-friendly materials, renewable energy applications, waste valorisation, and circular economy solutions that reduce dependence on conventional resources.

Data-Driven Decision Making for Sustainable Development: Decision Sciences (216 documents; 4.5%) and Mathematics (240 documents; 5.0%) provide the analytical foundation for evidence-based sustainability research. These disciplines support mathematical modelling, optimization, predictive analytics, data science, and intelligent decision-support systems for efficient resource management, environmental monitoring, healthcare planning, and sustainable industrial operations.

Interdisciplinary Research Supporting Sustainable Development: Beyond the major disciplines, MM(DU) demonstrates substantial interdisciplinary research contributions across diverse subject areas, with the remaining fields collectively accounting for 23.4% of the total publications. This broad research portfolio promotes collaboration across scientific, engineering, medical, agricultural, and social domains, enabling holistic solutions to complex sustainability challenges while advancing multiple United Nations Sustainable Development Goals (SDGs).

MM(DU)'s research portfolio demonstrates a balanced focus on technical, environmental, biomedical, and socio-economic fields, reflecting a commitment to sustainability on multiple fronts. By addressing critical areas such as sustainable healthcare, environmental conservation, renewable materials, and data-driven solutions, MM(DU) aligns its research objectives with the

global sustainability agenda. This comprehensive, interdisciplinary approach positions the university as a significant contributor to sustainable development and responsible innovation.

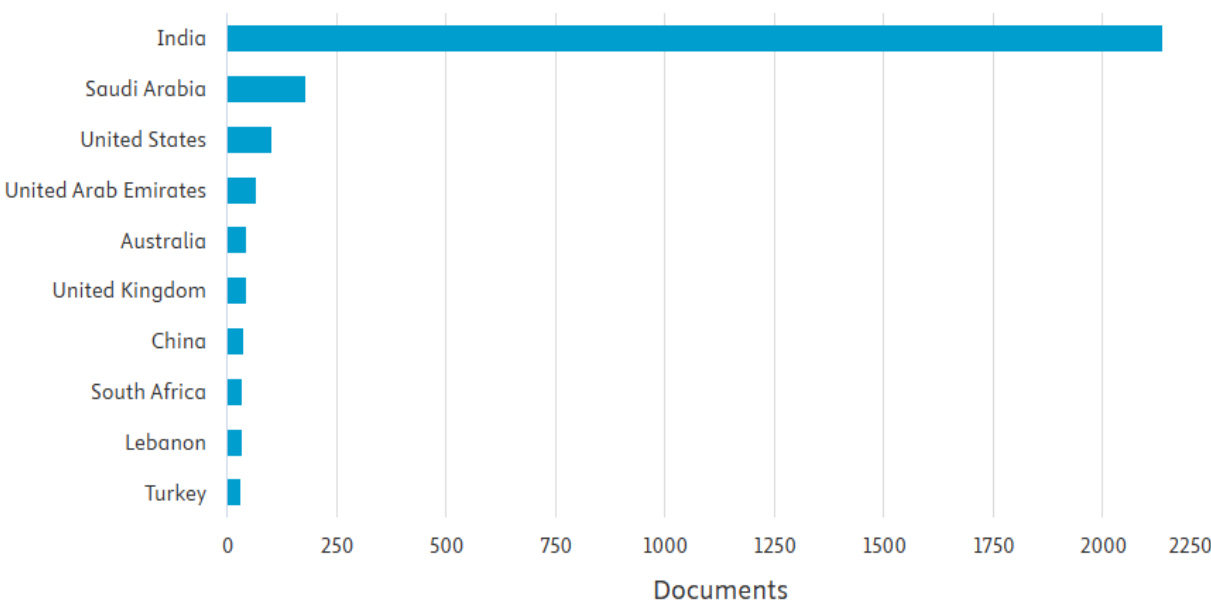
Sustainability Through Collaborative Research

MM(DU)’s extensive international collaboration network demonstrates a strong commitment to sustainable development through diverse global research partnerships. During the 2023–2024 period, the University produced 2,135 collaborative publications involving researchers from multiple countries, reflecting its growing international research footprint. These collaborations facilitate the exchange of scientific knowledge, promote interdisciplinary innovation, and contribute to addressing global environmental, social, economic, and healthcare challenges.

Regional and Global Impact on Sustainable Development: India emerged as MM(DU)’s strongest research partner with 2,134 collaborative publications, followed by Saudi Arabia (178), United States (99), United Arab Emirates (63), Australia (42), United Kingdom (41), China (37), South Africa (33), and Lebanon (32). This broad geographical distribution demonstrates the University’s commitment to strengthening regional and international research networks, enabling collaborative solutions to sustainability challenges such as climate adaptation, resource management, public health, and socio-economic development.

Documents by country or territory

Compare the document counts for up to 15 countries/territories.



Strengthening Research in Sustainable Technologies: Collaborative partnerships with technologically advanced countries, including the United States, United Kingdom, Australia, and the United Arab Emirates, significantly enhance MM(DU)'s research capacity in emerging fields such as renewable energy, sustainable engineering, environmental sciences, artificial intelligence, advanced healthcare, and digital technologies. These collaborations improve research quality, increase global visibility, and facilitate knowledge transfer, ultimately supporting innovation-driven sustainable development.

Promoting Inclusive and Globally Relevant Sustainability Research: Collaborations with countries such as China, South Africa, Lebanon, and Turkey, together with strong partnerships across Asia and the Middle East, provide diverse socio-economic and environmental perspectives that enrich sustainability research. Such international cooperation enables MM(DU) to develop context-specific and scalable solutions for critical global issues, including food security, water resource management, environmental protection, waste management, sustainable healthcare, and climate resilience. The University's expanding global research network therefore reinforces its role as an internationally connected institution committed to achieving the Sustainable Development Goals (SDGs) through collaborative research and innovation.

Through its international collaborations, MM(DU) promotes sustainability research that is both globally relevant and locally impactful. By engaging with a wide array of countries, MM(DU) supports innovation and sustainable solutions that are adaptable to different socio-economic contexts, thereby contributing to the global sustainability agenda. This collaborative approach enhances MM(DU)'s role as a leader in sustainability-focused education and research, fostering knowledge-sharing and creating pathways toward a more sustainable and equitable future.

SDG

1

No Poverty

Maharishi Markandeshwar (Deemed to be University) is committed to achieving the first Sustainable Development Goal: No Poverty. Our programs are all-encompassing, addressing both pressing problems and underlying causes of persistent poverty. Here are a few of our main obligations:

Start-Up Assistance

The National Innovation and Startup Policy (NISP) for students and faculty in Higher Education Institutions (HEIs) is designed to encourage active participation in innovation and entrepreneurial activities.

Objectives

- Help HEIs encourage and inspire students to pursue entrepreneurship and innovation.
- Create a pipeline and paths to encourage entrepreneurship.
- Offer rewards to educators and students who pursue business.
- Provide pre-incubation and incubation assistance.
- Work together to establish business connections and promote knowledge sharing.

This strategy demonstrates Maharishi Markandeshwar's (Deemed to be University) dedication to tackling difficult issues connected to poverty. In line with SDG-1: No Poverty, MM(DU) aims for sustainable impact through a combination of collaborations, teaching, research, and community engagement.

Our Incubation Center provides teachers and students with a complete platform to support companies. The centre provides access to sophisticated labs, computer labs, and prompt

mentoring from experienced faculty members. Here, we help incubatees with product creation, commercialization, prototyping, brainstorming, and opportunity identification.

MM(DU) offers academic programs as well as centers of excellence, such as those run by BOSCH, CISCO, GOOGLE, and SAP. In order to prepare students for corporate employment, our Training and Placement section provides skill development programs. Additionally, we are investing a total of Rs. 26 crores to build a Center for Skill and Entrepreneurship Development (CSED) with an emphasis on manufacturing and the Internet of Things.

Ek Kapda Daan

Institutional Social Responsibility Cell of MMIM organized a social activity 'EK KAPDA DAAN- Donation of Old Clothes' on Nov. 24, 2023, in compliance with Sustainable Development Goal no. 1, No Poverty, given by the United Nations. The purpose behind this was to make the students learn how to make changes in our society by distributing their old clothes to the needy persons who cannot afford to buy adequate clothes and thereby helping the under-privileged members of our society. MMIM students participated enthusiastically in the activity and visited the slum area near MM Hospital and distributed the clothes to the children and adults living there. Dr. Priyanka Salgotra, Professor, MMIM, the Faculty Activity Co-ordinator also accompanied the students. They were overwhelmed to see the happiness on their face on getting the stuff. Dr. Sunayna Khurana, Director, MMIM extended her full support for organizing the activity and appreciated the initiative of the students.



Journal Access

Access to the Georgetown Journal on Poverty Law & Policy at MM(DU) is a great way to promote projects and research that support SDG 1: No Poverty. The journal's emphasis on poverty-related legal and policy concerns allows the institution to investigate how public policy and law might help reduce poverty.

Cloth Donation

To reduce destitution and at the same time promote social accountability, NSS-MMDU introduced a cloth donation campaign. An activity of cloth donation drive was organized where students from Agriculture College and MMIT&BM (MCA) College were involved. Under the management of Dr. Adesh Kumar Tripathi, who coordinated the drive, approximately 95-100 NSS volunteers, they devoted their efforts to collect donations, sort out clothes and prepare them for distribution. Later on, they gave them out to people living in slums around, ensuring they had what they needed. The action went beyond mere giving away of clothing articles; it had an important moral value attached to it. Indeed, this was a wonderful experience of great importance to these students as it helped them understand how important their assistance could be for others, particularly those who are less privileged than they are. For instance, working together among various disciplines shows that unity can have a real effect in society. These were some moments when the volunteers under Dr. Adesh Kumar Tripathi's supervision were running errands as well as seeing the smiles on faces in slum areas. This encounter revealed that even small gestures like clothing donation would count much to somebody else's life, thereby encouraging them towards future devotion within their regions.



SDG

2

Zero Hunger

The relevance of Sustainable Development Goal 2: Zero Hunger is acknowledged by Maharishi Markandeshwar (Deemed to be University). Our commitment to this global objective is exemplified by the numerous programs and strategies we use to combat hunger and promote sustainable agriculture. Some of our major pledges and current initiatives are listed below:

Social extension outreach activities are initiatives designed to engage with communities or groups to address social issues, promote social cohesion, and improve the well-being of individuals or communities. These activities often involve providing education, support, resources, and services to address various social challenges and enhance community resilience. In response to the ongoing socioeconomic challenges exacerbated by slum areas, a food distribution initiative was conducted by the 20 students and 04 faculty members (Dr. Archana Sandhu, Dr. Shikha Verma, Er. Manju Bagga and Ms Himanshi Gouri) of M.M. Institute of Computer Technology and Business Management in Sohana Village to alleviate food insecurity among vulnerable populations, especially children, on 27-02-2024. Nearly 50 children benefited from the initiative. The students and faculty of MMICT&BM (MCA) distributed packets of glucose biscuits, chocolates, and candies to the children of the slum area. The main objectives of this distribution were to provide supplemental nutrition to residents, particularly children, in slum areas, to spread awareness about basic nutritional needs and hygiene practices, and to assess the impact of such distribution on the community's health and well-being.

By coordinating its academic, research, and community involvement initiatives with the tenets of SDG-2, Maharishi Markandeshwar (Deemed to be University) is dedicated to tackling the worldwide issue of hunger. Our goal is for everyone to have access to sufficient and wholesome food in the future.



SDG

3

Good Health and
Well-being

Maharishi Markandeshwar (Deemed to be University) is dedicated to advancing Sustainable Development Goal 3: Good Health and Well-Being. The various initiatives and strategies targeted at enhancing health and wellness both inside and outside of our academic community serve as evidence of this commitment.

M.M. Super Speciality Hospital

All students are eligible for free diagnosis and treatment services at the campus's state-of-the-art 940-bed multispecialty hospital and 200-bed super-speciality hospital, which also has a round-the-clock ambulance service. With cutting-edge tools including autoanalyzers, the Vitek automated culture and sensitivity machine, and Bactek for quick tuberculosis testing, the hospital's Central Clinical Laboratory is completely automated. Additionally, the institute has a Molecular Biology Lab and a VRDL Lab. During clinical posts and lab visits, students are exposed to high-tech lab equipment, which promotes self-directed learning.

Central Laboratory, Radiology, Anaesthesia, Ophthalmology, ENT, and fundamental sciences are among the departments that are well-equipped to instruct students in paramedical courses and prepare them to work as qualified paramedics. All speciality and super-speciality departments are also prepared to provide top-notch medical care.

Modern modular operating rooms, critical care units, and general wards with cutting-edge life-saving equipment like ventilators, infusion pumps, and multi-parameter monitors are all available at the hospital. Advanced mother and child healthcare services are provided via specialized labor rooms, NICUs, and PICUs, and 100 ICU and emergency beds are supported by a completely paperless e-ICU system. The teaching hospital also has state-of-the-art equipment, including the Intellispace Critical Care and Anaesthesia System (ICCA) for e-ICU support, a Philips Azurion Cath lab with integrated IVUS and FFR for flow management, and the Versa HD Linear Accelerator and CT simulator for radiotherapy (the only medical college in Haryana

with this facility). In order to ensure a thorough, practical learning experience, students also benefit from training on cutting-edge equipment, such as two MRI machines, 128-slice and 16-slice CT scanners, ultrasound machines, a 24-hour blood bank, dialysis services, and 24-hour emergency and intensive care facilities.



With infrastructure that surpasses regulatory (MCI) norms, the hospital provides extensive super-speciality services in departments like urology, cardiology, gastroenterology, neurosurgery, pediatric surgery, nephrology, plastic surgery, and cardiothoracic and vascular surgery. The Medical College offers an outstanding setting for health education thanks to an investment of almost 190 crore INR in cutting-edge technology. MMIMSR is the only medical school in Haryana with full NABH accreditation, demonstrating its superior facilities and medical care. It was also the first medical college in India to be awarded the Ayushman Bharat (PM-JAY) Gold Certificate.

With all departments outfitted in accordance with MCI requirements, the Medical College Hospital is also an approved treatment facility for Haryana Government workers and their families. The focus of clinical education is on problem-based, simulation-based, and evidence-

based learning strategies. To enhance students' practical skills, professors lead case-based discussions in small groups of 20–25 students in a variety of clinical areas. Key topics are further reinforced through audio-visual training and seminars. Every department satisfies MCI standards by providing a wealth of clinical content for practical learning. These are a few significant projects from MM's institutes (DU).

Current Collaborations With Health Institutions

Several Institutional Social Responsibility (ISR) initiatives were launched in 2023 to spread awareness and encourage community members' physical health and well-being, such as:

- Collaborations with the Mental Health Hospital in Agra and Civil Hospital in Ambala.
- Joint research initiatives with Sir Ganga Ram Hospital in Delhi, CSIR-IMTECH for biomedical research, and PGIMER in Chandigarh.
- Two more partnerships with Bhaikaka University in Gujarat and the Parkinson's Disease and Movement Disorder Society in Mumbai.

Blood Stem Cell Donation

NSS unit of M.M. Institute of Management (MMIM) organised an orientation program on 'Blood Stem Cell Donation' for BBA and B.Com IV Semester on March 07, 2024, to create awareness among the students and to make them feel a sense of responsibility to help those in need of blood transfusions. The programme plays a role in Sustainable Development Goal No. 03, Good Health and Well-being, as set by the United Nations. Blood donation contributes to a global effort to ensure healthy lives and promote well-being for all. Around 190 students attended the programme. Mr Amit Kumar Sharma, Associate, Donor Recruitment and Counselling, DATRI, Chandigarh, was invited as the speaker. He introduced Blood Stem Cell Transplant to the students and explained to them its process and its contribution to society. He encouraged the students to gift a life and experience the satisfaction of helping save a life. Many volunteers came up and registered for the donation.

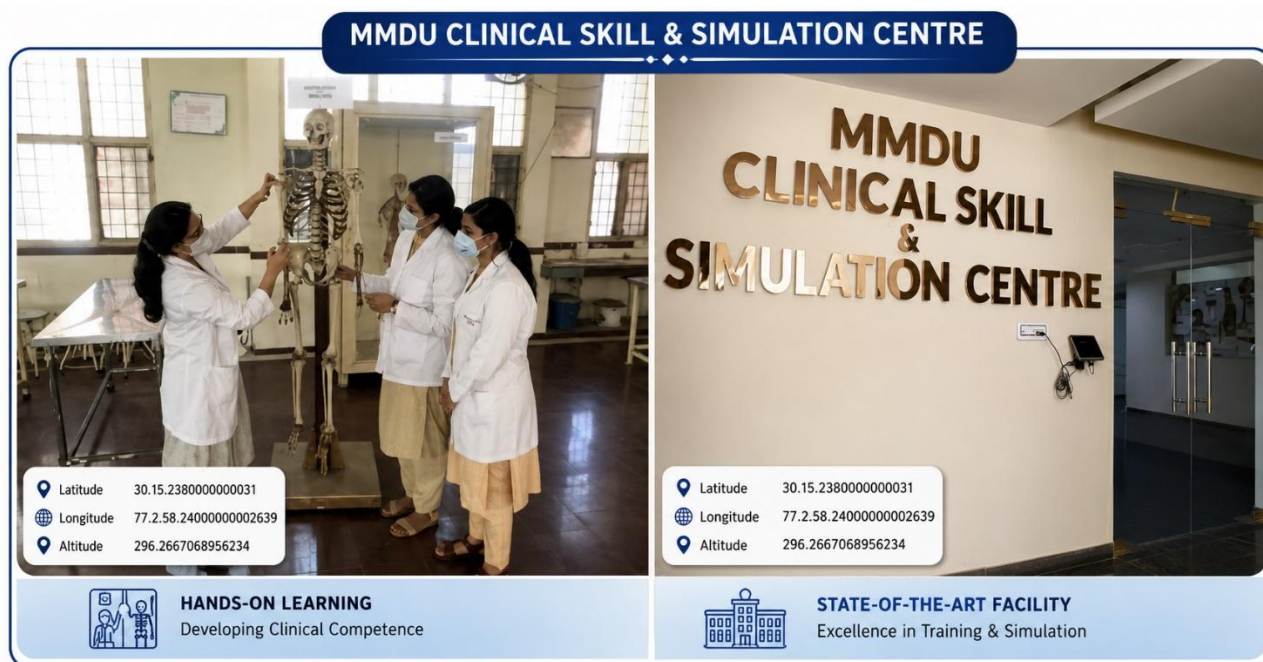
Life Saving Surgery

Thanks to the knowledge and experience of its medical staff, M.M. SuperSpeciality Hospital, Mullana, once again proved its greatness in saving a priceless life. An eight-year-old girl's life was saved by Dr. Subhash Chawla, Drs. Naveen Yadav, Prakash Biswas, Shivam Sharma, and the anesthesia team under the direction of Dr. N.P. Singh. By the second post-operative day, the patient had fully recovered from the procedure and was starting oral feeds.

Young Zaveria, who had been experiencing abdominal pain, distension, vomiting, and an inability to pass gas or stool for eight days, was saved by Dr. (Col) Subhash Chawla and his team of Minimal Access Surgeons through a difficult laparoscopic treatment. The physicians were really concerned about her condition and her age. She was having trouble breathing as well. Her big intestine herniated into the left chest cavity due to a left-sided diaphragmatic hernia, which was identified after she was stabilized and underwent comprehensive assessments utilizing CT, ultrasound, and X-rays. The intestinal loop has narrowed due to the hernia's formation of a constriction ring around the defect.

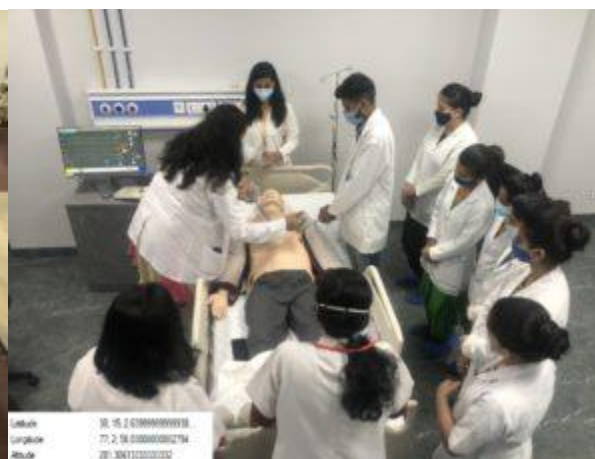
Both congenital and traumatic injuries can cause diaphragmatic hernias. Laparoscopic techniques are often more favorable than open surgeries, Dr. Chawla underlined. Following a successful procedure, Zaveria was released from the hospital and confirmed to have fully recovered after a five-day follow-up.

World-class treatments are available at MMSH, including laparoscopic procedures for gallbladder problems, stones, gallbladder cancer, CBD stones, all kinds of hernias (including incisional hernias), appendix surgeries, and intricate laparoscopic procedures for disorders of the stomach, pancreas, and spleen. Along with endoscopic procedures for thyroid disorders, including early thyroid cancer, the facility also provides state-of-the-art treatments for rectal prolapse, hemorrhoids, and fistulas using VAAFT technology, all of which are carried out without leaving any visible scars.





Dissection Hall



Skill Lab-2



Skill Lab-3



Skill Lab-4



Skill Lab-5



Blood Bank-1



Blood Bank-2



Blood Bank-3



Radiotherapy



Ultrasound



X-ray

Echo



MRI



ICU



Cath Lab



CT Scan

Ek Tareek Ek Ghanta Ek Sath

On the occasion of Gandhi Jayanti NSS organised a cleanliness drive named “EK TARIKH EK GHANTA EK SATH” This event was organized with a motive to make our surroundings clean where Dr. Adesh Kumar Tripathi are the program coordinator and contribute their presence as a motivation builder and Dr. Anuj malik sir are the program officer this event done under the guidance of both of them and Its not only to enhanced the visual appeal of our surrounded areas but also fostered a sense of community responsibility among participants. Efforts were also focused on expanding community involvement and implementing long-term solutions for waste management. This initiative exemplifies the power of collective action in addressing local environmental challenges and underscores the importance of individual responsibility towards maintaining cleanliness in public spaces. To step towards our goal, more than 80 volunteers from

different departments showed their participation during the event. Such initiatives which are crucial for promoting sustainable development and fostering a cleaner, greener environment. We all were gathered near the bus parking of Maharishi Markandeswar (Deemed to be University) to clean the mess and promise to always contribute a few times towards keeping our environment clean and green.





International Yoga Day

On the occasion of International Yoga Day, NSS MM(DU) has organized a yoga session in respect of today's mental and physical health issue to educate our new generation about the importance of mental and physical health. our NSS volunteers and faculty members coordinated and participated very well in this yoga event held at the Sports Complex. More than 400 NSS volunteers participated in it and made it successful by this calming Sessions under the supervision of Dr. Adesh Kumar Tripathi and led by Dr. Muneshwar Rai.



Community Health Initiatives

A series of community health initiatives was undertaken by the M.M. College of Nursing, Maharishi Markandeshwar (Deemed to be University), Mullana, Ambala, to promote disease prevention and health awareness among the public and school students. These activities were organized by the Community Health Nursing Department under the guidance of faculty members and aimed to strengthen public knowledge regarding communicable diseases, preventive

healthcare, and community well-being. A community awareness programme on Typhoid was conducted on 28 February 2024 at the Rural Health Training Centre (RHTC), Adhoya, Barara, Ambala. The programme, organized under the theme “Bolstering an Effort to Eradicate Typhoid,” sought to educate the community about the causes, signs and symptoms, transmission, prevention, and control of typhoid fever. The project emphasized improving public awareness, encouraging preventive practices, and promoting early recognition of symptoms to reduce disease burden. The event was conducted in Hindi and supervised by Mr. Mukul Sharma, with active participation from Post Basic B.Sc. Nursing second-year students. The programme included health check-ups, educational demonstrations, role-play, chart presentations, and interactive sessions designed to enhance community understanding. A scripted role-play illustrated how unsafe food consumption, poor hygiene, and delayed medical consultation can lead to typhoid infection, while reinforcing the importance of timely diagnosis, laboratory testing, treatment, and hand hygiene. The visual chart presentations further explained the causes, symptoms, preventive measures, and management of typhoid, making the health messages easier for the audience to understand. The audience responded positively to the awareness programme and appreciated the efforts of the nursing students. According to the report, the community gained better knowledge about typhoid, its symptoms, and preventive measures. A total of 35 individuals participated in the programme, including 16 healthy individuals, 14 with hypertension, and 5 with diabetes who also underwent health assessment. The project not only enhanced public awareness but also provided nursing students with valuable experience in planning, organizing, and implementing community-based health education activities.

A School Health Programme on Prevention of Dengue, organized on 28 September 2023 at Government Middle School, Tandwali, Ambala. The programme was conducted by B.Sc. Nursing third- and fourth-year students to educate school children about dengue, a mosquito-borne viral disease commonly found in tropical and subtropical regions. The awareness session focused on the disease, its common symptoms such as fever, headache, body aches, nausea, and rash, and emphasized that prevention remains the most effective strategy because there is no specific treatment. Approximately 70 students from Classes VI to VIII participated in the programme under the supervision of faculty from the Community Health Nursing Department.

The commitment of Maharishi Markandeshwar (Deemed to be University), Mullana, towards promoting community health through awareness programmes, disease prevention initiatives, and outreach healthcare services. The activities were conducted by different constituent institutions, including the M.M. College of Nursing and the M.M. Institute of Physiotherapy and Rehabilitation, with the objective of improving public health awareness, encouraging preventive healthcare practices, and providing basic health services to the community. These programmes also offered students valuable experiential learning opportunities by enabling them to apply their academic knowledge in real-life community settings while strengthening their communication,

leadership, and professional competencies. One of the major initiatives focused on antenatal care awareness, organised by the Obstetrics and Gynaecological Nursing Department of M.M. College of Nursing on 30 September 2023 at Civil Hospital, Ambala Cantt. The programme was conducted under the supervision of faculty members and involved fourth-year B.Sc. Nursing students, who educated expectant mothers regarding the importance of regular antenatal check-ups, maternal nutrition, newborn care, and various government welfare schemes through role plays and informative charts. Approximately seventy antenatal mothers actively participated in the awareness programme, reflecting the institution's commitment to improving maternal and child health through community-based education. The Breast Cancer awareness project, conducted on 27 October 2023 at Civil Hospital, Ambala Cantt., aimed to enhance public awareness regarding breast cancer, its prevention, early detection, emotional support, rehabilitation, and healthy dietary practices. Under the theme "Thrive 365," fourth-year B.Sc. Nursing students organised educational sessions, chart presentations, role plays, and interactive discussions under faculty supervision. The project emphasised the significance of recognising early symptoms, promoting timely medical consultation, and supporting affected individuals through appropriate psychological and rehabilitative care. Globally, breast cancer remains the most common cancer among women, highlighting the importance of sustained community awareness and early detection initiatives. The institution organized several health awareness initiatives to promote physical, mental, and social well-being among students and the community. One major activity was an HIV/AIDS Awareness Programme conducted under the theme "Let Communities Lead" on 23 December 2023 at Civil Hospital, Ambala City. The programme aimed to increase awareness about HIV/AIDS, educate participants about preventive measures, provide information on emotional and psychological support for affected individuals, promote health rehabilitation, and encourage healthy dietary practices. The event included educational sessions, awareness talks, charts, role plays, and interactive activities to dispel myths and reduce the stigma associated with HIV/AIDS. HIV/AIDS, substance abuse, and mental health are closely interconnected, making integrated awareness and prevention programmes particularly important. The institution also promoted mental health awareness through Behavioural Sciences teaching and psychological support activities, covering topics such as behaviour, memory, intelligence, motivation, emotions, personality, communication, counselling, and problem-solving skills. These activities were designed to enhance students' psychological understanding, improve interpersonal skills, and support their overall mental well-being.

Some Community Health Outreach Camps and Awareness Activities Conducted During 2023–2024 by MMCDS&R

Sr. No.	Date	Event	Summary
1.	17 Sept 2023	Dental Check-up Camp	Held at M.M. Super Speciality Hospital, Sadopur; 70 patients screened; oral health

			education provided.
2.	14 Dec 2023	Dental Check-up Camp	Conducted at CHC Chaurmastpur; 69 patients screened; awareness programme organised.
3.	16 Dec 2023	Dental Check-up Camp	Conducted at CHC Sahzadpur; 67 patients screened.
4.	23 Dec 2023	Dental Check-up Camp	Held at SDCH Naraingarh; 55 patients screened.
5.	3 Jan 2024	Dental Check-up Camp	Held at CHC Mullana; 57 patients screened.
6.	28 Jan 2024	Dental Check-up Camp	Held at Aggarwal Dharamshala, Barara; 53 patients screened.
7.	7 Mar 2024	Dental Check-up Camp	Held at Sarakpur, Barara; 53 villagers screened.

World Bipolar Disorder Awareness Programme

The World Bipolar Disorder Awareness Programme titled "Bipolar Strong" was organized by the Department of Psychiatric Nursing, M.M. College of Nursing, Maharishi Markandeshwar (Deemed to be University), Mullana, Ambala, Haryana. The programme was conducted on 8 April 2024 under the guidance of Ms. Sonia, Associate Professor, with the active participation of M.Sc. Nursing and Post Basic B.Sc. Nursing (2nd Year) students. The project aimed to enhance public awareness regarding bipolar disorder through health education, role play, chart presentations, and interactive activities. Bipolar disorder was introduced as a chronic mental illness characterized by significant fluctuations in mood, energy, activity levels, and concentration, ranging from manic or hypomanic episodes to depressive episodes. The programme emphasized that increasing public awareness can help in the early recognition, treatment, and management of the disorder. The major objectives were to educate the public about bipolar disorder, improve awareness, explain its signs and symptoms, dispel myths, and promote preventive measures. The event was organized at the Psychiatric OPD, MMIMSR, Mullana, Ambala, commencing at 10:30 a.m., and was conducted in Hindi to ensure better understanding among the audience.

The programme involved systematic planning with different student committees assigned responsibilities such as leadership, chart preparation, lesson planning, script writing, invitation design, budgeting, photography, chart explanation, and role play. A total of 26 students participated in organizing the programme with an overall budget of ₹780. The event began with a warm-up exercise to engage the audience and create a friendly learning environment before the educational activities commenced. A major attraction of the programme was a role play depicting the life of a young individual named Prince who experienced emotional and behavioural changes associated with Bipolar Affective Disorder (BPAD). The drama

demonstrated the progression from academic success to deterioration due to behavioural and emotional disturbances, followed by medical consultation, psychiatric evaluation, counselling, and family support. The role play highlighted the importance of timely diagnosis, adherence to treatment, healthy lifestyle practices, open communication, regular psychiatric follow-up, physical exercise, yoga, and emotional expression. It also emphasized the need to overcome stigma and misconceptions related to mental illness.

Following the role play, students explained educational charts illustrating the causes, symptoms, management, and preventive aspects of bipolar disorder. Awareness slogans were presented to encourage individuals to express their emotions rather than suppress them and to seek professional help whenever required. Interactive games were also conducted to reinforce learning and maintain audience participation throughout the programme. The programme concluded with a vote of thanks, acknowledging the support of the faculty members, the Head of the Department, and all participants. Audience members appreciated the students' efforts in spreading awareness about bipolar disorder and expressed that the educational activities and role play enhanced their understanding of the condition. According to the report, approximately 90 people attended the programme. The organizers concluded that the event successfully improved public awareness regarding bipolar disorder, its signs and symptoms, and available preventive and management strategies while simultaneously enhancing the students' organizational skills, teamwork, communication abilities, and confidence.

Mental Health Support

These services are accessible to everyone and are provided by MM(DU) through the Maharishi Markandeshwar Hospital's Psychiatry Department. Additionally, the Nursing Institute arranges group projects and mental health initiatives in hospitals and colleges. The S.M.Y.A.M. (Stress Management by Yoga and Meditation) program was also held at the Physiotherapy Institute.

Smoke-Free Policy

To preserve a tobacco-free atmosphere, MM(DU), Mullana, Ambala, Haryana, has instituted a "Smoke-Free Campus" policy. This program supports the establishment of a smoke-free campus and encourages people to give up smoking. The institution wants to foster an environment free from tobacco use and smoking. More details can be found [here](#). In keeping with SDG-3's tenets, Maharishi Markandeshwar (Deemed to be University) is dedicated to strengthening its position as a leader in advancing health and well-being and building a stronger, healthier world community.

Adolescent Health Awareness Programme

The Adolescent Health project was organized by the M.M. College of Nursing, Mullana, Ambala, as a collaborative initiative of M.Sc. Nursing students from the Obstetrical and Gynaecological Nursing and Child Health Nursing departments. The programme was conducted on 20 December 2023 at Baba Balak Nath School, Mullana, with the objective of promoting awareness regarding key adolescent health issues through interactive educational activities. The project was systematically planned after obtaining institutional permissions and preparing evidence-based educational content through an extensive literature review using credible sources such as PubMed and Scopus. A structured lesson plan was developed, and approximately 29 informative charts were prepared to support health education. The venue was arranged to ensure active participation of students and faculty members. The awareness programme commenced with an introduction highlighting the importance of adolescent health, followed by role-play presentations addressing major issues affecting adolescents. Four scenarios focused on sexual abuse and parental negligence, substance abuse, responsible use of technology and its health implications, and menarche and menstrual hygiene. These activities emphasized early reporting of abuse, counselling support, the Child Helpline (1098), prevention of substance addiction, balanced technology use, and safe menstrual hygiene practices. Overall, the programme successfully enhanced awareness among school students by combining health education with interactive communication methods. It strengthened understanding of physical, mental, and reproductive health, encouraged healthy behaviours, dispelled common misconceptions, and highlighted the importance of timely guidance from parents, teachers, counsellors, and healthcare professionals in supporting adolescent well-being.





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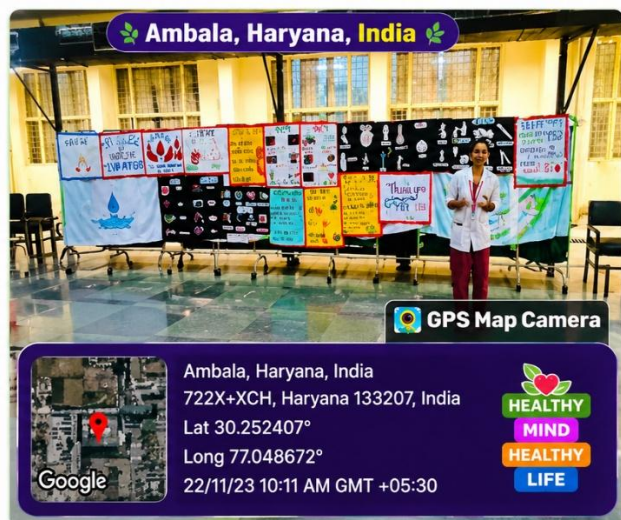
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Anemia Awareness Programme

An anemia awareness programme was organized by the Post Basic B.Sc. Nursing First Year students of M.M. College of Nursing, Maharishi Markandeshwar (Deemed to be University), Mullana, on 22 November 2023 at the Pediatric Outpatient Department (OPD), MMIMS&R Hospital, Mullana. The programme was conducted under the guidance of Ms. Sandeep Kaur with the theme, “Let’s Shine an Awareness Light for Anemia.” The primary objective was to educate patients and their attendants about anemia, its causes, symptoms, prevention, and management through interactive learning methods. The event commenced with a brief introduction highlighting anemia as a condition characterized by a deficiency of red blood cells or hemoglobin, leading to reduced oxygen-carrying capacity of the blood. Students explained the importance of early diagnosis, balanced nutrition, iron-rich foods, and timely medical treatment. A well-prepared role play (Nukkad Natak) demonstrated how unhealthy dietary habits and negligence can lead to iron deficiency anemia in children and emphasized the significance of routine health check-ups, iron supplementation, and parental awareness. Colourful educational charts were also displayed and explained to reinforce key messages effectively. The programme

witnessed active participation from patients, caregivers, and hospital visitors. The audience appreciated the students' efforts in spreading awareness and acknowledged the usefulness of the educational activities. Biscuits were distributed as refreshments following the programme. Overall, the project successfully enhanced community knowledge regarding anemia and encouraged healthy dietary practices and preventive measures. The activity also strengthened the communication, teamwork, organizational, and health education skills of the nursing students, making it a valuable learning experience while benefiting nearly 30 participants attending the awareness session.



AWARE TODAY, HEALTHY TOMORROW



SAVE WATER



DONATE BLOOD



CLEAN HANDS



STAY ACTIVE



NO TOBACCO

Mass Awareness Programme on Prevention of Tuberculosis

The M.M. College of Nursing, Maharishi Markandeshwar (Deemed to be University), Mullana, Ambala, Haryana, organized a Mass Awareness Programme on Prevention of Tuberculosis (TB) on 31 March 2023 from 10:00 a.m. to 12:00 p.m. at the Seminar Hall under the theme “Yes, We Can End TB.” The programme was conducted by B.Sc. Nursing 4th-year students to enhance awareness regarding tuberculosis, its prevention, diagnosis, and control. The event was graced by Dr. Jai Kishan, Professor and Head, Department of Respiratory Medicine, and Dr. Anshu, Head, Department of Preventive and Social Medicine, as chief guests. The programme commenced with a brief introduction highlighting the global and national burden of tuberculosis and emphasizing the importance of community awareness. The primary objectives were to improve participants’ knowledge about TB and educate them on preventive measures. A well-organized quiz competition formed the central activity, consisting of multiple rounds that included anatomy and physiology of the respiratory system, image-based identification, and tuberculosis-related questions. Participants were evaluated on their understanding of TB transmission, diagnosis, treatment, and national elimination initiatives. Thirty-three students participated enthusiastically after qualifying through a pre-test. The programme encouraged teamwork, critical thinking, and active participation among students while strengthening their understanding of tuberculosis prevention. Certificates were presented to all participants by the chief guests in recognition of their efforts. The event concluded with a vote of thanks delivered by Ms. Priya, expressing gratitude to the dignitaries, faculty members, organizers, and participants for their valuable support. Overall, the awareness programme successfully enhanced students’ knowledge, promoted public health awareness, and reinforced the collective commitment to achieving the goal of eliminating tuberculosis through education, early diagnosis, timely treatment, and community participation.

SDG



Quality Education

The advancement of Sustainable Development Goal 4: Quality Education is a top priority for Maharishi Markandeshwar (Deemed to be University). We think that education has the power to change people and society. Here are a few of our major projects:

ICT-Based Short Term Course (STC) on “Leadership, Motivation and Decision Making

Education and Educational Management Department, NITTTR, Chandigarh conducted a short-term course on Leadership, Motivation and Decision Making” (ICT-124) from 11/12/2023 to 15/12/2023 at Nodal Remote Centre- Civil Engineering Department, Seminar Hall (LT-9), Engineering Block-III, MMEC, Maharishi Markandeshwar (Deemed To Be University), Mullana, Ambala. Dr. Sunil Dutt (Professor, Education and Educational Management Department), NITTTR Chandigarh, was the Chairperson and Head Coordinator of the program and and Er Sunil Chauhan, A.P., CED, MMEC, MM(DU), Mullana, was the Local Coordinator and Er Jotesh Gupta A.P., CED, MMEC, MM(DU), was the Local Co-Coordinator of this ICT-based Short Term Course. There were a total of 23 faculty members from Maharishi Markandeshwar (Deemed to Be University), who successfully completed this Short Term Course. The Short Term Course was focused on leadership, motivation, and decision-making aspects.

In response to the growing demand for skilled professionals in Engineering Graphics and Autodesk – AutoCAD, an ICT-based short-term course was organized to equip participants with essential knowledge and practical skills. The course aimed to bridge the gap between theoretical understanding and hands-on application in computer-aided design (CAD) software, AutoCAD. The primary objective of the course was to provide participants with a comprehensive understanding of Engineering Graphics principles and proficiency in using AutoCAD for drafting and design tasks. Through interactive sessions and practical exercises, participants were

expected to gain confidence in utilizing AutoCAD software for real-world applications in various engineering disciplines.



MAHARISHI MARKANDESHWAR
(DEEMED TO BE UNIVERSITY)
Mullana-Ambala, Haryana
(Established under Section 3 of the UGC Act, 1956)
(Accredited by NAAC with Grade 'A++')



Faculty Development Program on



AUTODESK
AutoCAD

FDP NO
2,078

30 Jan - 03 Feb 2024

Organized by: Civil Engineering Department, MMEC & CSED, MMEC in Association with ICT Academy, Chennai, Tamil Nadu
Maharishi Markandeshwar (Deemed to be University), Haryana





The course was structured into modules covering fundamental concepts of Engineering Graphics and progressively advancing to more complex topics related to AutoCAD software. The curriculum included:

- Introduction to Engineering Graphics: Basic principles, terminology, and conventions used in technical drawing.
- AutoCAD Interface and Tools: Familiarization with AutoCAD interface, navigation, drawing tools, and commands.
- 2D Drawing Techniques: Techniques for creating and editing 2D drawings, including lines, shapes, dimensions, and annotations.
- 3D Modeling: Introduction to 3D modeling concepts, tools, and techniques in AutoCAD.
- Advanced Features: Exploring advanced features such as parametric constraints, blocks, and dynamic blocks.
- Project Work: Hands-on project assignments to apply learned concepts in real-world scenarios.
- Proficiency in using AutoCAD software for drafting, modeling, and design tasks.
- Understanding of Engineering Graphics principles and their application in CAD.
- Ability to create 2D drawings and 3D models with precision and accuracy.
- Competence in utilizing advanced features of AutoCAD for efficient design workflows.

Practical experience through project work, demonstrating proficiency in applying learned concepts to real-world projects. There were a total of 29 faculty members from Maharishi Markandeshwar (Deemed to Be University), who completed this Short Term Course.

Workshop on Virtual Lab

A total of 13 participants from Civil Engineering took part in this workshop organized by Civil Engineering. Virtual labs provide simulated learning environments where students can conduct experiments online, allowing them to explore concepts and theories without the need for a physical laboratory. These labs offer students the chance to practice lab techniques for the first time and gain familiarity with advanced equipment that may otherwise be unavailable. Additionally, animations enable students to delve into life sciences at the molecular level and examine the inner workings of the machinery they operate. Virtual lab software expands access to science education by offering alternative learning opportunities.





Report on FDP Teacher's Self-Esteem, Motivation & Professionalism Development through ICT. Dr. Wats delivered a lecture on Effective teaching, integral to student success and overall educational quality. The development of teachers' self-esteem, motivation, and professionalism plays a crucial role in achieving educational goals. This report explores the interconnectedness of these elements and provides strategies for enhancing them to support both educators and their students.

1. Teacher's Self-Esteem

Definition and Importance

Self-esteem in teachers refers to their perception of their own worth and competence. High self-esteem positively impacts their teaching effectiveness, classroom management, and interactions with students and colleagues.

Factors Affecting Self-Esteem

- Professional Competence: Teachers who feel knowledgeable and capable in their subject matter tend to have higher self-esteem.
- Feedback and Recognition: Positive reinforcement from peers, students, and supervisors enhances self-worth.
- Support Systems: Availability of resources, mentorship, and professional development opportunities contribute to a teacher's confidence.

Strategies for Improvement

- Regular Professional Development: Engage in ongoing training to stay updated with educational practices and boost confidence.
- Mentorship Programs: Pairing less experienced teachers with mentors can provide support and feedback.
- Recognition Systems: Implement systems to acknowledge and celebrate teachers' achievements and efforts.

2. Teacher's Motivation

Definition and Importance

Motivation refers to the drive and enthusiasm teachers have towards their teaching responsibilities. It influences their commitment, effort, and overall job satisfaction.

Factors Affecting Motivation

- Intrinsic Motivation: Derived from personal satisfaction and passion for teaching and learning.
- Extrinsic Motivation: Influenced by external rewards such as salary, promotions, and recognition.
- Work Environment: A supportive and positive work environment can significantly impact motivation levels.

Strategies for Enhancement

- Professional Growth Opportunities: Provide avenues for teachers to advance their skills and knowledge.
- Incentive Programs: Develop reward systems for outstanding performance and achievements.
- Work-Life Balance: Promote policies that support a balanced lifestyle to prevent burnout.

3. Teacher's Professionalism

Definition and Importance

Professionalism encompasses the behaviors, attitudes, and standards that characterize a teacher's approach to their role. It includes ethical practices, ongoing learning, and commitment to their profession.

Components of Professionalism

- Ethical Standards: Adherence to ethical guidelines and maintaining integrity in interactions.
- Continuous Learning: Commitment to lifelong learning and staying current with educational advancements.
- Collaboration and Communication: Engaging effectively with colleagues, students, and parents to foster a positive learning environment.

There were 20 faculty members from various department of MMDU-Mullana who attended the FDP and also participated in the given tasks by program instructor.

Youva Diwas Celebration



The NSS team of MM(DU) organized a Youth Parliament event on the occasion of "Youva Diwas " to commemorate the birth anniversary of Swami Vivekananda. The day aimed to spread awareness among the students about the teachings and philosophy of the life of Swami Vivekananda. The Youth Parliament event was conducted on 12th January 2024 at Law Department. The event began at 12:00 P.M where the participants were divided into two teams of eight for the debate competition. The debate competition was related to the Parliamentary debate, where each student got a position of a minister to debate on, social responsibilities and the relevance of Swami Vivekananda's ideas on the modern world. After the successful ending of the event under the supervision of NSS program coordinator Dr. Adesh Tripathi, he delivered the vote of thanks, expressing vote of thanks to the Program Officer Suman Khanna, participants and organizing committee for making the event a success.



Report (Kisan Goshthi)

Rural Agricultural Work Experience (RAWE) is an internship programme of experiential learning for the final year students of B.Sc. (Hons.) Agriculture. RAWE is categorized into three different components, i.e., RAWE-I, RAWE-II and RAWE-III. The village attachment programme of eight weeks under RAWE-I was scheduled w.e.f. 24.08.2023 to 20.10.2023. The Coordinator of RAWE committee was Dr. M.K. Rana, Co-Coordinator Dr. O.P. Mehla and the members who actively participated in *Kisan Goshthis* and other activities of RAWE Programme

were Dr. Akshay Kumar Vats, Dr. Satish Rana, Dr. Aastha Khatri, Dr. Pooja Karki, Dr. Amit and Dr. Deepak Laura. The aim of the *Kisan Gosthis* was to disseminate advanced technologies related to cultivation of cereal, fruit, pulse, flower and vegetable crops among the farmers of different villages in the vicinity of MM(DU), Mullana, where the students were left to stay in villages and work with farmers. Dr. Adesh Saini (Coordinator of the Department of Agriculture) also participated in *Kisan Gosthi* organized by the female students of RAWE Group 2 at Mullana village on dated 08.08.2023. He congratulated the whole department, especially members of RAWE committee for successfully completing the village attachment component under RAWE programme. The students of Department of Agriculture, MM(DU), Mullana organized *Kisan Gosthis* in different villages under Rural Agricultural Work Experience (RAWE Programme) as per the schedule given below:

Date	RAWE group	Name of students placed	Village	Faculty involved	Numbers of farmers participated
05.09.2023	Group 3	Loveneet, Tanu Narwal, Ritika Rana, Riya Bhagat, Vaishali, Dishika, Komal kashyap, Payal Saini, Nishu, Muskan, Jyoti, Kunika and Gayatri	Simbla	Dr. M.K. Rana, Dr. O.P. Mehla and Dr. Lokender	52
08.09.2023	Group 2	Divya, Payal, Diksha, Mehak, Kunjan, Reeni, Varsha raj ,Lakshmi,Liviya, Tanisha, Ruchika, Sonam, Lakshita, Isha	Mullana	Dr. M.K. Rana, Dr. O.P. Mehla, Dr. Adesh Saini, Dr. Ramsingh and Mr. Amit	87
11.09.2023	Group 7	Pankaj, Yogesh, Aryan, Nikhil Sharma, Akhil, Nikhil ghanghas, Sourav kundu, Ankit sindhar, Shrikant, Nishu, Prince	Milk Dhankota	Dr. M. K. Rana, Dr. O. P. Mehla, Dr. Lokender, Dr. Devi Singh	39
13.09.2023	Group 10	Saurav kumar, Ritu raj, Roshan ratan sahi, Roushan kumar, Manish kumar ojha, Dhananjay mishra, Amulya kumar, Prince kumar, Keshav kumar, Shubham tiwari	Dulliana	Dr. M. K. Rana, Dr. Akshay Kumar Vats, Dr. Lokender, Dr. Devi Singh	55
16.09.2023	Group 11	Shivam Kumar jha, Abhishek Bachchan, Amit Kumar, Aman Iqubal, Shahbaz, Abhishek, Shyam bahadur, Mukul, Vipul, Rajesh, Sidharth	Manka	Dr. M. K. Rana, Dr. Ram Singh, Dr. O. P. Mehla, Dr. Devi Singh	42
18.09.2023	Group 12	Hardik Kumar, Mayank Saini, Hari Krishna, Gaurav, Arun Saini,	Sirashgarh	Dr. M.K. Rana, Dr. Lokender, Dr. Devi	35

		Harsh Saini, Nikhil Saini, Harsh Saini, Saksham Bhardwaj, Sagar Rana, Hemant		Singh	
20.09.2023	Group 1	Vibha, Himani, Meenakshi, Kriti, Kajal, Nishtha, Sanehil, Nancy, Aanchal, Khushi	Budian	Dr. M.K. Rana, Dr. Akshay Kumar Vats, Dr. O.P. Mehla, Dr. Devi Singh	31
22.09.2023	Group 9	Vaibhav lochab, Mohit Mittal, Vaibhav Sharma, Nikhil Kumar, Lavish kamboj, Raj Narayan, Ram Rattan, Kartik, Harsh	Khedakalla	Dr. M.K. Rana, Dr. Ram Singh	35
26.09.2023	Group 4	Nikhil Singla, Paras Khotiyan, Manish Rana, Mandeep Rathi, Pranay Kalra, Aashish Sharma, Akshit Rana, Rohan Rana, Vivek, Shivam Kamboj, Himanshu Rana, Kalpit Kamboj	Dhanora	Dr. O.P. Mehla, Dr. Akshay Kumar Vats, Dr. Lokender, Dr. Devi Singh	52
27.09.2023	Group 8	Shekhar, Parshant, Harsh, Keahavanand, Parth Sharma, Shubham, Mandeep, Nitin Kumar, Sachin, Haroon Rashid	Adhoya	Dr. M.K. Rana, Dr. Satish Rana, Dr. Devi Singh	35
29.09.2023	Group 13	Anand, Nishant, Salish, Shivam	Tangail	Dr. O. P. Mehla, Mr. Amit Singh, Dr. Amit Kumar	40
3.10.2023	Group 6	Mohit, Himanshu, Ankit, Robin, Nikhil, Vansh, Sahil, Lakshay, Karan Chaudhary, Ajay singh rozara, Shobhit Mehla, Jatin chauhan	Ugala	DR. M. K. Rana, Dr. Abhishek	55
5.10.2023	Group 5	Amanveer, Sonu Kumar, Vivek Kumar, Prince Kumar, Sameer Kumar Dangi, Rohit Kumar, Aman Kumar, Saurabh Kumar, Rishav Raj, Sarthak	Subhri	Dr. Satish Rana, Dr. Brijesh Mishra, Dr. N.K. Tiwari	32





REPORT ON KISAN GHOSTI

The RAWE Group of 10 students (Saurav Kumar, Manish Kumar Ojha, Roshan Ratan Sahi, Ritu Raj, Roushan Kumar, Prince Kumar, Dhananjay, Shubham Tiwari, Amulya Kumar, Keshav Kumar) of the Department of Agriculture, Maharishi Markandeshwar (Deemed to be University) Mullana, Ambala organized a *Kisan Ghosti* on 13th September 2023 at Duliana Village.





The *Goshti* was organized under the supervision of Dr. M.K. Rana Principal Coordinator of the RAWE Training programme. In this *Kisan Ghosti*, the farmers of Duliana village were facilitated by the experts of the Department of Agriculture on agriculture-related queries. A survey on agriculture-related problems was conducted by the group members before the *Ghosti* in village. The *Ghosti* was inaugurated and a survey report was presented by the group member Mr. Manish Kumar Ojha. The queries of Farmers were addressed by Prof. (Dr.) M.K Rana, vegetable expert, Prof. (Dr.) Devi Singh, horticulture expert, Associate Prof. (Dr.) Lokhender Kashyap, an Entomology expert, and Assistant Professor Dr. Akshay Vats, a plant breeding and genetics expert also interacted with the farmers. Dr. M.K. Rana awakened farmers about the harmful effects of overdose of fertilizers on horticultural crops and also advised them about the judicious use of pesticides in their fields. He discussed about the biological methods of weeds and other pests control. Farmers were also advised about the use and beneficial effects of home-made manure. Dr. Lokhender Kashyap gave a brief introduction of insect and pest management and instructed about the alternative ways of handling insects and pests in natural way instead of chemical control. Dr. Devi Singh Professor Horticulture told the farmers about the benefits of horticultural crops over cereal crops and also highlighted the economic value of horticulture crops. He also guided them on post-harvest management of fruits and vegetable crops. Dr. Akshay Vats guided the farmers about how to increase the yield of their produce with the help of genetically modified seeds and also told them how genetically modified crops or plants are useful and easy to handle. He highlighted the negative impact of regular use of the same seeds in the next season and guided them to always use new hybrid seeds. In this *Kisan Ghosti*, more than 60 farmers participated and the *Ghosti* was concluded by Dr. Akshay Vats with a vote of thanks.

SDG

5

Gender Equality

Awareness on Sexual Harassment of Women at Workplace and its Prevention

The Department of Law organized an awareness programme to create awareness among students and employees on the Sexual Harassment of Women at Workplace and its Prevention on 15.12.2023 at 02.30 p.m. in the department. The programme featured an Expert Lecture and the Poster Making Competition. Dr. Poonam Lamba, Assistant Professor and the member of Internal Complaint Committee, Department of Law, MM(DU) introduced the programme and discussed the Right to Equality of Women in Current scenario. Thereafter, Head and Dean, Prof. (Dr.) Bindu Jindal addressed the gathering about prevention, prohibition and redressal of sexual harassment of women at the workplace; and informed about the existence of the Internal Complaint Committee in the Department of Law. The Expert Lecture on Gender Sensitization on the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 was delivered by Dr. Madhu Bala, Assistant Professor, Department of Law, MM (DU). The speaker threw light on the importance of laws relating to gender equality at workplace; types of harassment; the working of redressal committee etc. in an elaborate manner. The audience took a great interest in the lecture.

A total of 106 students attended the lecture along with the faculty and staff members. 26 students participated in the Poster Making Competition, in which the students gave a message on equality of women and sensitized about the menace of sexual harassment at workplace. This competition was coordinated by the faculty members Ms Suman Khanna and Ms Kunjana Mittal. The best three posters were adjudged and appreciated by the Head of Department. The overall program was successfully conducted.







International Women's Day Celebration

The International Women's Day was organised by the Obstetrics and Gynaecological Nursing Department, Maharishi Markandeshwar College of Nursing, Mullana, Ambala, in collaboration with the Women Study Centre, MMDU, on 9 March 2024. The programme was conducted to commemorate International Women's Day under the 2024 campaign theme “Inspire Inclusion”, while also supporting the vision of Sustainable Development Goal (SDG) 5: Achieve Gender Equality and Empower All Women and Girls. The event aimed to create awareness about women's rights, gender equality, inclusion, and empowerment by encouraging active participation and meaningful discussion among students and faculty members. The celebration featured a panel discussion, Reel Making Competition, Thank You E-card Competition, and board and rangoli decoration based on the theme “Inspire Inclusion.” The panel discussion, conducted in the seminar hall, was moderated by Ms. Diksha and guided by faculty members Dr. Vinay Kumari, Mrs. Simarjeet Kaur, Ms. Pratibha, and Ms. Madhu Bala, with student panellists presenting their views on various aspects of women's empowerment. The discussion highlighted the significance of International Women's Day, the need to promote gender equality, and the importance of creating inclusive environments where women are respected, valued, and provided equal opportunities in education, employment, leadership, and decision-making. During the programme, participants discussed the history and purpose of International Women's Day, the relevance of the 2024 theme, and practical ways to inspire inclusion in families, educational institutions, workplaces, and society. The discussion identified several barriers to women's empowerment, including gender stereotypes, unequal access to education, economic inequality, legal and political discrimination, violence against women, and inadequate healthcare services. The panellists further emphasised that these challenges can be addressed through quality education, legal and policy reforms, equal employment opportunities, financial independence, and collective efforts to promote diversity and inclusion. The importance of women supporting one another, amplifying each other's voices, encouraging leadership, and recognising women's achievements was also highlighted. It was concluded by highlighting various government schemes for women's welfare and empowerment and demonstrates the institution's commitment to promoting gender equality through awareness programmes and student engagement. Overall, the celebration successfully fostered awareness, encouraged dialogue on women's issues, and reinforced the importance of creating an inclusive society where every woman and girl has equal opportunities to realise her full potential. The event served as an effective platform for educating students about gender equity, leadership, social responsibility, and sustainable development while inspiring participants to contribute towards a more inclusive and equitable future.



Teacher's Day Celebration

The Teacher's Day 2024 was organised by the Department of Agriculture, Maharishi Markandeshwar (Deemed to be University), Mullana, Ambala. The programme was scheduled from 10:00 A.M. to 3:00 P.M. The inaugural ceremony featured faculty members and dignitaries lighting the ceremonial lamp, symbolising the formal commencement of the programme. The decorated venue, adorned with balloons and festive arrangements, reflects the enthusiasm surrounding the celebration. Official certificates issued by the Department of Agriculture. A Certificate of Appreciation recognises Dr. Ritu for serving as Co-Coordinator of the Teacher's Day Cultural Event, while a Certificate of Participation acknowledges Ms. Pragya Shree for her involvement in the programme.

SDG

6

Clean Water
and Sanitation

Swachhhta Pakhwada

NSS unit of Maharishi Markandeshwar (Deemed to be University), Mullana has organized a Special 15-Day “Swachhata Pakhwada” event from 1st March 2023 to 15th March 2023. This was a 15 Days event based on the theme of “Swachh Bharat” in which more than 250 volunteers has participated and took part in different social activities, cultural activities, sports activities, shramdaan, etc. In those 15 days volunteers got the opportunity to perform social services through village visits. In this event, volunteers got to perform different activities on different days like rangoli making, poster making, performing nukkad natak, running awareness campaigns in different villages, debate competition, etc. on the theme of “Swachh Bharat”.







MAHARISHI MARKANDESHWAR
(DEEMED TO BE UNIVERSITY)
Mullana-Ambala, Haryana
(Established under Section 3 of the UGC Act, 1956)
(Accredited by NAAC with Grade 'A++')



75
आजादी का
अमृत महोत्सव



युवा कल्याण
के लिए विभाग
MINISTRY OF
YOUTH AFFAIRS
AND SPORTS



G20
भारत 2023

Celebrating

Swachhata Pakhwada

1st - 15th September, 2023

Organized by National Service Scheme



Swachta Hi Sewa

The NSS team of MMDU organized the “Swachta Hi Sewa” drive as a part of the nationwide campaign initiated by Government of India to promote cleanliness and hygiene. The drive was held on September 17, 2023, with the aim of contributing to the Swachh Bharat Abhiyan. The primary objective was to raise awareness among students about the importance of cleanliness, waste management and maintaining a healthy environment. The drive was at the ground of the BCA department where the NSS volunteers picked up litter, clean the ground and ensured that the ground was spotless. The campaign was attended by faculty members, University officials and over 80 volunteers. The Swachta Hi Sewa drive at MMDU University was a resounding success, under the supervision of Dr. Adesh Kumar Tripathi with the NSS team playing a key role in raising awareness and promoting environment cleanliness. The drive not only helped in cleaning the surroundings but also instilled a sense of responsibility and commitment towards cleanliness among participants. NSS volunteers effectively carried out their duties and ensured the campaign's success.





Personal Hygiene

Personal hygiene refers to the practice of maintaining cleanliness and proper grooming of the body to preserve health, prevent disease, and promote overall well-being. It includes daily habits such as bathing, washing hands with soap, brushing teeth twice a day, trimming nails, wearing clean clothes, and keeping the hair, ears, and feet clean. Good personal hygiene not only protects individuals from infections but also improves confidence, social interactions, and quality of life. According to the school health programme presented in the report, the primary aim was to create awareness among school children about the importance of personal hygiene through health education, demonstrations, health check-ups, role play, and interactive activities.

The programme was organised by B.Sc. Nursing fourth-year students of M.M. College of Nursing, Mullana, at Government School, Barara, on 12 February 2024. Its objectives included assessing the health status of students, educating them about personal hygiene, promoting positive health practices, and increasing awareness among both students and teachers. The activities were carefully planned and divided among different committees responsible for chart

preparation, lesson planning, role play, report writing, photography, narration, and health check-ups. The role-play demonstrated the consequences of poor hygiene, such as untrimmed nails, inadequate handwashing, and irregular bathing, which may lead to infections and illness. Visual charts and interactive discussions further reinforced healthy habits, while health examinations helped identify hygiene-related concerns among school children. The programme concluded with a vote of thanks, appreciation from teachers and students, and positive feedback acknowledging the nursing students' efforts in promoting health awareness. Overall, the initiative successfully encouraged children to adopt healthy hygiene practices and highlighted the importance of cleanliness in preventing diseases and maintaining lifelong health.

International Housekeeping Week

In honor of International Housekeeping Week, the MMICT & BM (HM) organized a number of events. The events' objectives were to increase public awareness of the value of cleaning and to recognize the work that housekeeping personnel do to keep different facilities clean and organized. Poster creation, a quiz, rangoli, best out of waste, flower arrangements, and a webinar led by the Taj Hotel London's executive housekeeper were among the activities.

Waste Management

To make it simple to separate the biodegradable and nonbiodegradable garbage, dustbins with the colors blue for dry waste and green for wet waste are positioned in every area of the campus. The supervisors make sure that the rubbish is collected in each campus block at the scheduled time. The entire gathered waste is then emptied in the dumping yard using the mobile trash cans, where it is picked up by the approved vendors for additional processing.

The well-designed subterranean drainage system gathers the sewage waste and transports it to the sizable collection tanks in the sewage treatment plant for recycling. All of the lawns receive treated water via overhead tanks and sprinklers. Sewage Treatment Plants and Effluent Treatment Plants process kitchen, laboratory, and laundry waste, and the purified water is used for sanitation.

Waste Recycling System: The campus has two waste recycling facilities for recycling liquid waste water: Sewage Treatment Plants (STPs) and Effluent Treatment Plants (ETPs). There are two sewage treatment plants. Number of Effluent Treatment Plant: A water sewage plant with a 2.6 MLD sewage treatment capacity is located in 01 MM (DU). Additionally, MM(DU) has a water purification system based on chemical dosing.



Water Conservation Program

Purpose

Water is one of the most precious natural resource available on earth. But the fact is fresh water is scarce to meet the demands of increasing population and needs to be conserved. Maharishi Markandeshwar (Deemed to be University) is bent upon saving water through its water conservation program to ensure availability of water for future demand. For the purpose the policies are drawn to ensure that the withdrawal of fresh water does not exceed its natural replacement level.

Policy:

The water conservation program has laid down following policies:

01. Optimization of fresh water consumption.
02. Minimizing the water wastage through check measures on leakage in pumping and distribution systems.
03. Treating the waste water for reuse.
04. Developing techniques to store the natural rain water and use it for replenishing the ground water.
05. Ensuring supply of good quality water.

Procedures

01. Rainwater harvesting techniques are being developed in the campus to store and utilized rain water for various activities like gardening, lawn irrigation, flushing in toilets etc.
02. Sustainable methods of utilizing ground water resources are being employed.
03. Water audit of the entire campus is carried out periodically to ensure no wastage of water through any form of leakages. The recommendations of the audit committee are met to ensure water conservation in the campus.
04. Waste water treatment plant has been installed in Maharishi Markandeshwar (Deemed to be University) to reuse the waste water for lawn irrigation, toilets, watering plants etc.
05. Creating awareness on water conservation amongst all forums i.e. students, staff, faculty and families living on campus.

SDG

7

Affordable and Clean Energy

A 4760 KW Solar Power Generation Plant, the biggest installation of its sort at any institution in the nation, supports nearly every building at MM (DU) with solar panel arrays. Consequently, MM(DU) often adds a substantial amount of electricity to the state power system. This program reduces carbon emissions by 5.4 million kg annually, which is the same amount of environmental benefit as planting about 250,000 trees.



In order to make campus transit easier, battery-powered electric vehicles have also been introduced. MM(DU) regularly carries out environmental, energy, and green audits. Additionally, all electrical bulbs and tube lights on campus are LED, and sensor-based energy saving technologies are used in active areas.

GREEN & SUSTAINABLE CAMPUS TRANSPORT

Eco-Friendly • Efficient • Electric

ECO-FRIENDLY
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Clean & Green

EFFICIENT
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SMART CAMPUS
Sustainable Transport
for a Better Tomorrow

**TOGETHER TOWARDS
A SUSTAINABLE FUTURE**

07 PASSENGER ALLOWED ONLY

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Longitude 77; 2; 52.0734999999986
Altitude 231.699 m

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SUSTAINABILITY

Building a Greener, Better Tomorrow

ADMISSION ENQUIRY

THINK GLOBALLY, ACT LOCALLY

ENERGY CONSERVATION PROGRAM
Promoting energy efficiency and renewable energy for a sustainable future.

WATER CONSERVATION PROGRAM
Conserving every drop, preserving life and ensuring a better tomorrow.

TRANSPORTATION POLICY
Encouraging green mobility and sustainable transport solutions.

RECYCLE PROGRAM
Reduce, Reuse, Recycle – Together for a cleaner and greener planet.

Hello, I am Niao, your Admission Assistant.

www.mmmullana.org info@mmmullana.org Mullana-Ambala, Haryana - 133207, India Sustain Today, Thrive Tomorrow

Energy Conservation Program

Purpose:

The aim of formulating the "Energy Conservation Program" for Maharishi Markandeshwar (Deemed to be University) is to reduce energy consumption in totality and to preserve the resources for the future use. Also the policy is targeted to reduce environmental pollution in order to ensure an eco-friendly culture. Maharishi Markandeshwar (Deemed to be University) understands the significance of energy conservation issue for its entire campus and is committed to outline the steps for energy conservation to attain sustainable levels in energy consumption.

Policy:

The program's policy include

01. Use of fewer non-renewable natural energy resources and promotion of renewable sources of energy.
02. Conserve energy through minimal/optimal use of resources.
03. Improved energy efficiency by switching over to less energy consuming devices.
04. Design of infrastructure to ensure maximum utilization of solar and wind energy to reduce energy demand.
05. Create awareness on energy conservation issue through various activities, forum and education amongst staff, administration, faculty and students groups.

Procedures:

01. To carry out energy audit of the university periodically and carry out the maintenance and installation derive as per the recommendations of energy audit.
02. Maximize the use of day light in buildings to reduce the energy consumption while learning.
03. Increased use of solar/PV cells wherever possible.
04. Marking the switches on the boards with F for fan, T for tube light to reduce energy consumption while switching the lights on.
05. Windows and doors of air conditioned spaces should be kept closed to save energy.
06. Lights, air conditioners, fans and other office equipments should be turned off when not in use.
07. Personal computer and printers should be turned off when not in use.
08. All lighting, except that required for security purpose, should be turned off when the building is unoccupied at the end of the day.
09. Reminders in the form of bold slogans/posters are pasted at numerous, places in the University for Energy Conservation.
10. Energy efficient products are replaced wherever possible to replenish traditional more energy consuming devices like all tube lights have been replaced by LEDs in the University.

Transportation Policy

Purpose:

Transportation system of an educational institution is the backbone of its success story. Maharishi Markandeshwar (Deemed to be University) is comfortably situated at Mullana, midway between two major cities of Haryana state i.e. Ambala and Yamunanagar. The University has a fleet of 84 buses connecting it to all major places in the vicinity. The transportation policy of the University is to ensure easy and comfortable accessibility to the University, besides, maintaining its responsibilities towards environment.

Policy:

Various key features of transportation policy of the University include: -

01. Ensuring connectivity to all major cities/towns in the surrounding areas.
02. A safe, comfortable and eco friendly means of transport to the University.
03. Year round inspection and maintenance of its vehicles to ensure minimal emissions.
04. Using eco friendly means of transport within the campus such as solar panel driven auto-rickshaw, e-rickshaws for maintaining a pollution free environment on the campus.

Procedures:

01. Bus transport from all major places in the vicinity has been provided by Maharishi Markandeshwar (Deemed to be University) to curb the menace of individual travelling by own vehicles. Pooling as well as mass transport system have proven success record in controlling the pollution level in the environment.
02. Regular maintenance of all the vehicles of the University is carried out to reduce the emission levels.
03. Solar power driven auto rickshaws are adopted within the campus to safeguard the environment.
04. Students, staff and faculty are encouraged to use eco-friendly means of transport like bicycles within the campus.

Recycle Program

Purpose:

The aim of recycle program of the University is to minimize waste generation and its recycling. Maharishi Markandeshwar (Deemed to be University)'s recycle program has set up its goal to follow the 3R concept of waste utilization i.e. Reduction, Re-use and Recycle.

Policy:

The policy behind Recycle Program of the University is:

01. Determining waste composition and its volume.
02. Segregation of waste material for the purpose of Re-use and Recycle.
03. Recycling some of the waste materials at campus like cardboard, mixed paper, etc. and contacting some professional companies to pick-up the recyclable waste and provide the service.

Procedures:

01. A waste audit for the entire campus is a regular feature of recycle program.
02. Separate containers have been placed throughout the University to collect reusable, recyclable and garbage separately.
03. The recyclable bins are emptied separately at recycle plant of the University. These mainly carry paper pieces and cardboards.
04. The recycled waste is utilized within the University.
05. The recommendations of waste audit committee are followed to revise existing policies of the program.

Short-Term Course (STC) on Clean And Green Technologies For Environment Sustainability

Education and Educational Management Department, NITTTR, Chandigarh conducted a short-term course on Clean And Green Technologies For Environment Sustainability” (ICT-12) from 27/05/2024 to 31/05/2024 at Nodal Remote centre- Civil engineering Department, Computer Lab (222), Engineering Block-III, MMEC, Maharishi Markandeshwar (Deemed To Be University), Mullana, Ambala. Dr. Sunil Dutt (Professor, Education and Educational Management Department), NITTTR Chandigarh was the Chairperson and Head Coordinator of the program and and, Er Sunil chouahn ,A.P., CED, MMEC, MM(DU), Mullana was the Local Coordinator and Er Aneesh Goyal A.P., CED, MMEC, MM(DU), was the Local Co- Coordinator of this ICT based Short Term Course. There were total 23 faculty members from Maharishi Markandeshwar (Deemed to Be University), who successfully completed this Short Term Course. The Short Term Course was focused on the Clean and Green Environment. The course aims to:

1. Clean and green environment.
2. Motivation theories and techniques.
3. Enhance decision-making abilities.
4. Foster teamwork and collaboration.
5. Understand organizational behavior and culture.

Training Programme On ECBC & ENS

The One-day ECBC & ENS physical training workshop was organized for the Private Architects, Engineers, Building Professionals and Government officials from different state governments and private departments. The training workshop witnessed the participation of 45 candidates. Mr. Shiv Batra (ECBC Master Trainer) delivered the presentation. Mr. Shiv Batra gave a background on ECBC and ENS. He talked about Energy Conservation and its related issues. He also explained about Envelope Optimisation and various government initiative plans on climate change and energyconservation. He talked about traditional building construction techniques and compared it with modern construction techniques. He put light on aspect of buildings design such as roof, windows, walls, indoor lighting and outdoor lighting. He explained the mandatory requirements of ECBC 2017. Mr. Shiv Batra talked about Daylighting. He explained why daylighting is mandatory and useful in ECBC compliance, wall-to-window ratio, sun movement, placement of opening, shading devices and double- or triple-glazed windows. Mr. Shiv Batra gave a background on HVAC and why HVAC is important in ECBC and ENS. He explained the mandatory requirements of HVAC for ECBC and how HVAC systems consume about 35-40% of energy in buildings in the Indian subcontinent and if we implement the code properly than we can save energy by at least one-third.

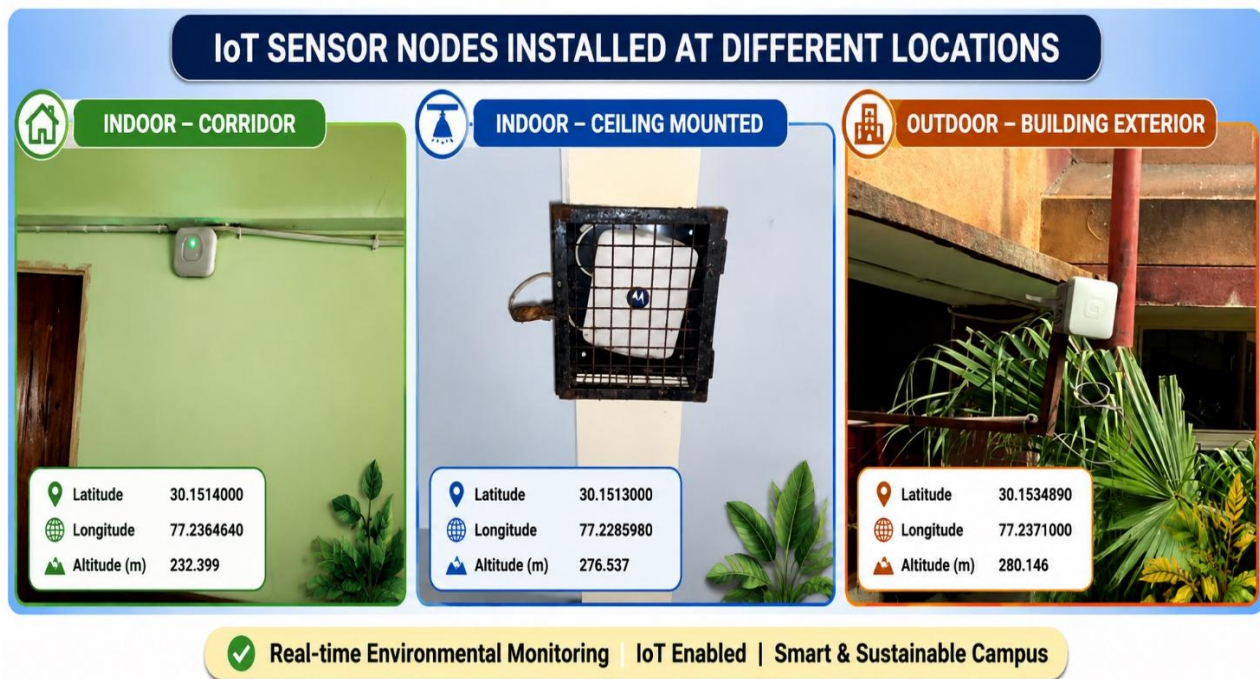


8

Decent Work and Economic Growth

MM (DU) provides academic members and students with creative ideas and a creative attitude with all-encompassing assistance and coaching. They are urged to file copyrights and patents on a regular basis, with the institution paying the filing fees. MM (DU) offers a number of incentives as part of its Research Promotion Policy, such as seed financing, research grants for faculty and students, and coverage of publication fees for research papers. Over the previous five years, almost Rs. Faculty members have been given one crore as starter money. Depending on the project's funding level, faculty members who get financing for research projects from other organizations also receive financial incentives. Additionally, the employee in question is entitled to a portion of the profits when technology is transferred. Additionally, MM (DU) and the National Research and Development Corporation (NRDC) have signed a Memorandum of Agreement for the commercialization of innovations created by MM's inventors. These technologies are made available to interested businesses and industries on mutually agreed terms.

Wi-Fi Facility



Short-Term Course on Leadership and Management Development

The Department of Civil Engineering, Maharishi Markandeshwar (Deemed to be University), Mullana, Ambala, successfully organized an ICT-based Short-Term Course on "Leadership and Management Development" in Computer Lab No. 222, CED, Engineering Block-III, MMEC, in collaboration with the National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh. The Faculty Development Programme (FDP) was designed to strengthen the leadership and managerial competencies of faculty members by equipping them with the knowledge, skills, and professional mindset required for effective leadership in educational institutions and other organizational settings. The primary objectives of the programme were to provide participants with a comprehensive understanding of the principles and practices of leadership and management in academic and organizational environments, explore various leadership styles and their influence on team dynamics and organizational culture, develop competencies in strategic planning, decision-making, and problem-solving, enhance communication, interpersonal relations, and conflict resolution skills, and foster innovation, collaboration, and continuous improvement among professionals.

Pharmacy Practice Module

The Antibiotic Stewardship Committee of the MM Institute of Medical Sciences & Research and the MM College of Pharmacy, Mullana-Ambala, are organizing this event. During this week-long event, National Pharmacy Week 2023 and World AMR Awareness come together in a creative way. The insightful "Antimicrobial Stewardship in Action: An Update for Better Healthcare" module is the main attraction. This project, which is backed by the Society of Integrated Professionals, demonstrates a cooperative dedication to improving pharmaceutical practices and increasing public awareness of the pressing problem of antimicrobial resistance. Starting sessions on several routes of administration as well as practical, diverse routes of administration were held throughout this event. "Antimicrobial Stewardship in Action: An Update for Better Healthcare" and "Preparing for Life-Saving Action: Hands-On Basic Life Support (BLS)" were the subjects of unfolding practice modules throughout the course of the following two days. AMR Awareness Week came to life on the final day with an amazing display of cultural events. In addition to the captivating AMR Awareness Skit and Nukkad Natak, participants participated in the AMR Awareness Rangoli, Quiz Contest, and Poster Making Competition. In addition to giving the occasion a creative touch, these artistic manifestations were vital in raising awareness of antibiotic resistance. Abhishek Sharma led the male category in the social media viral challenge with an astounding 14,988 likes, closely followed by Deepak Malik with 12,393 likes. Divya Kundlas had 2,331 views and 118 likes in the female category, while Aarti Shukla received 782 views and 135 likes. Ms. Prinsy Rana was named the MMCP AMR Social Media Viral Star 2023 winner in the Faculty Category. These

outcomes demonstrate the popularity and recognition of people in a variety of categories, reflecting the active and varied involvement in the competition.

Donation of Old Clothes

On November 24, the MMIM cell held a social event called "EK KAPDA DAAN-Donation of Old Clothes" in accordance with the United Nations' first Sustainable Development Goal, "No Poverty." This was done with the intention of teaching the kids how to improve our society by giving away their used clothing to those in need who cannot afford to buy suitable clothing, so assisting the less fortunate members of our community. Students from MMIM eagerly took part in the activity, went to the slum area close to MM Hospital, and gave the garments to the adults and children who lived there.

SDG

9

Industry, Innovation
and Infrastructure

STC on Appropriate Technologies Interventions for Rural Development

Rural Development Department, NITTTR, Chandigarh conducted a short-term course on “Appropriate Technologies Interventions for Rural Development” (ICT-85) from 11/09/2023 to 15/09/2023 at Nodal Remote centre- Civil Engineering Department, Computer Application Lab (222), Engineering Block-III, MMEC, Maharishi Markandeshwar (Deemed To Be University), Mullana, Ambala.

Sh. Amit Goyal (Assistant Professor, Rural Development Department), NITTTR Chandigarh was the Chairperson and Head Coordinator of the program, and Er Sunil Chauhan, A.P., CED, MMEC, MM(DU), Mullana, was the Local Coordinator and Er Jotesh Gupta A.P., CED, MMEC, MM(DU), was the Local Co- Coordinator of this ICT based Short Term Course. The overall program was very satisfactory and learner centric. There were total 30 faculty members from Maharishi Markandeshwar (Deemed to Be University), who successfully completed this Short Term Course.

The Short Term Course was designed to upgrade the knowledge regarding the importance of appropriate technologies Interventions for Rural Development.

The course aims are as follows:

1. Understand and promote sustainable, affordable technologies for rural development.
2. Improve rural livelihoods through technology interventions.
3. Emphasize sustainability and community empowerment.
4. Analyze cost-effectiveness and scalability of technologies.
5. Address policy, planning, and interdisciplinary approaches.
6. Provide practical, field-based learning.
7. Encourage innovation and adaptation for rural contexts.

Industry-Academia Program

An Industry-Academia Program centered on the orientation of the Neuropack S3 machine, produced by NIHON KOHDEN (Japan), was held at MM Institute of Medical Sciences and Research in association with MM Institute of Physiotherapy and Rehabilitation. The program, led by Mr. Krishna Yogi from Gurugram, Haryana, was created to acquaint postgraduate neurology students at MMIPR and the faculty of neurophysiotherapy with how the machine works. The Nerve Conduction Velocity Test and Electromyography Test were demonstrated during the workshop. Eight postgraduate students and five faculty members took part in the program. An overview of the Neuropack S3 machine's features, significance, operation, and applications was one of the program's main highlights.

The goal of intellectual property rights (IPR) is to protect both tangible and intangible assets while rewarding contributors and inventors for their research, discoveries, designs, and innovations. The objective is to teach participants how to get and use IPR data to promote research and development, develop new goods and procedures, and aid in the expansion of businesses. Additionally, it offers advice on how to turn innovations into proprietary assets. In order to significantly contribute to the accomplishment of SDG-9, Maharishi Markandeshwar (Deemed to be University) aims to take the lead in promoting industry growth, stimulating innovation, and building resilient infrastructure.

Computer Centre



Demonstration Room



Industrial Visit

Name of Company: Saatvik Solar.

Industry Location: Village Dubli, Ambala, Haryana

Date of Visit: 18 Oct 2023

Visited by: EE students

Total Students: 25



For its students, the Department of Electrical Engineering arranged an industrial visit to Saatvik Solar in Dubli, Ambala. The manufacturing facility was visited by a total of twenty-five students and two faculty members from the EE Department, Dr. Navdeep Singh and Er. Suraj. Currently running a 1.5 GW plant in Haryana, India, Saatvik is attempting to bolster it with a 1.5 GW N-Topcon Module manufacturing capability.

Students got a firsthand look at how solar panels are made during their visit to the solar module manufacturing facility. It sought to close the gap between classroom theory and real-world applications in the field of renewable energy. The visit was planned to include every step of the production process, from handling raw materials to packing the finished product.

Important Takeaways:

Exposure to practical uses of renewable energy technologies and comprehension of the challenges associated with producing solar modules. Understanding of the significance of sustainable business operations. Information on possible job paths in the field of renewable energy.

SDG

10

Reduced Inequalities

The goal of Maharishi Markandeshwar (Deemed to be University), Mullana-Ambala (also known as "MM(DU)"), is to create a varied and inclusive atmosphere that promotes equality, respect, and understanding for everyone connected to the university. We appreciate the diversity of our academic community and recognize that a welcoming environment promotes learning, creativity, and general wellbeing. Our commitment to guaranteeing equal opportunities and fair treatment for everyone, regardless of age, gender or gender identity, disability, race, religion or belief, sexual orientation, marital status, refugee or asylum seeker status, pregnancy or maternity, is outlined in this Equality, Diversity, and Inclusion (EDI) Policy.

- MM(DU) is dedicated to advancing an inclusive, diverse, and egalitarian culture where all people are treated fairly, with dignity, and with respect.
- We value and celebrate the variety of our teachers, staff, students, and other stakeholders, understanding that each person's distinct contributions are crucial to our success as a team.
- This policy prohibits discrimination, harassment, victimization, or any other unfair treatment based on the protected characteristics.
- MM(DU) is dedicated to provide a welcoming and accessible setting that satisfies the requirements of people with disabilities, guaranteeing equal access to all amenities and services.
- To enable staff and students with disabilities to fully participate in campus life, reasonable accommodations will be made to meet their unique requirements.

Disability Support Office

To guarantee that students with disabilities have equal access to education, the MM(DU) Dean of Student Welfare office works with all departments. The university has created a policy that addresses a number of issues pertaining to faculty, staff, and students with disabilities, such as:

- A broader definition of disability that includes social and physical impairments
- Installing wheelchairs, ramps, and elevators in several buildings
- Special restrooms for instructors and students with impairments
- Human support in places like the library and front desk
- The MM(DU) website offers screen readers and other accessibility tools.

FIT INDIA WEEK – 2023



Date: - 20th Nov. to 24th Nov. 2023

Programme Co-ordinators: Mr. Ashish, Mr. Gurdiyal, Dr. Adesh Kumar Tripathi

Day - 1, 20th Nov 2023

Race Competition

NSS organized a fantastic sports event that saw over 80 enthusiastic NSS volunteers taking part in races of 100m, 400m, and 1000m. It was a blast! Mr. Ashish, Mr. Gurdiyal, and Dr. Adesh Kumar Tripathi did an amazing job coordinating and supervising the races. The volunteers showed real spirit, sprinting in the 100m dash and pushing through in the 400m and 1000m races. Everyone was cheering and supporting each other. It wasn't just about Participating. It was about having a great time and promoting fitness. The event was a success, thanks to the hard

work of the organizers and the energetic participation of the NSS volunteers. It surely inspired everyone to stay active.





Day – 2, 21st Nov. 2023 (KHO KHO Event)





On the second day of the "Fit India Week" celebrations, NSS organized an exciting Kho-Kho event that brought together over six teams of enthusiastic volunteers from across the university. It was a thrilling competition! Mr. Ashish, Mr. Gurdial, and Dr. Adesh Kumar Tripathi did an excellent job coordinating and supervising the Kho-Kho matches. The teams showcased fantastic teamwork and sportsmanship, playing their hearts out in the matches. Everyone was cheering and supporting their teams, creating a lively and spirited atmosphere. The event's success was owed to the meticulous organization by the coordinators and the wholehearted involvement of the NSS volunteers. Not only did it promote physical fitness, but it also emphasized the significance of cooperation and unity among participants. It was a vivid demonstration of the joy and benefits that sports bring to fostering a healthy lifestyle.

Day – 3, 22nd Nov 2023 (Tug of War Event)



On the third day of the "Fit India Week" celebration, NSS hosted an exciting Tug of War tournament that drew massive participation from over fourteen teams consisting of NSS volunteers from various departments of university. The event took place at the Sports Complex on November 22nd, 2023, and it was a sight to behold! The teams exhibited incredible strength and teamwork, pulling with all their might in the matches. The atmosphere was electric, with cheers and encouragement echoing across the Sports Complex as each team vied for victory. The success of this event was skilled to the meticulous planning by the coordinators and the passionate participation of the NSS volunteers. Not only did it promote physical strength and

unity among participants, but it also highlighted the importance of teamwork in achieving common goals.





Day – 4, 23rd Nov 2023



During the "Fit India Week" celebrations, NSS hosted a refreshing Yoga session on the fourth day, drawing participation from over 90 NSS volunteers across the university. The event took place at the Department of Agriculture seminar hall on November 23rd, 2023. It was a serene and refreshing experience! Dr. Munishwar Rai and Dr. Adesh Kumar Tripathi coordinated and

supervised the Yoga session, guiding participants through various poses and breathing exercises. The volunteers occupied themselves in the calming atmosphere, accepting the essence of mindfulness and physical well-being through Yoga. The atmosphere was tranquil, filled with the soothing sounds of relaxation techniques and the collective focus on health and inner balance. The success of the event was attributed to the expert guidance of the coordinators, Organizing team and the enthusiastic involvement of the NSS volunteers. It not only promoted physical flexibility and mental wellness but also emphasized the importance of holistic health practices.

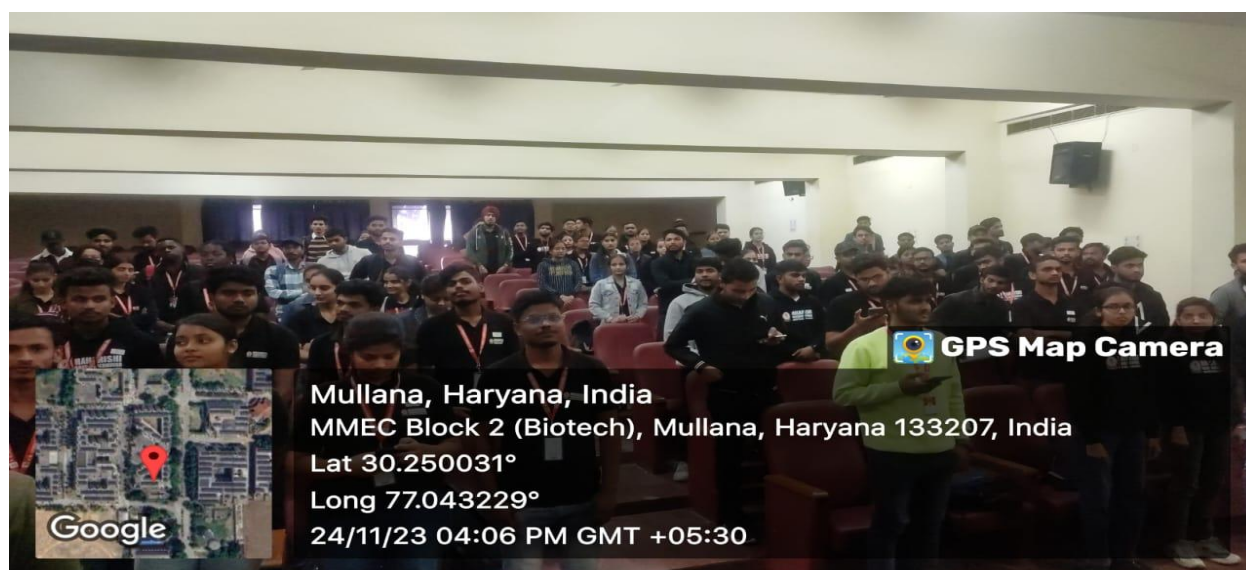




Day – 5, 24th Nov 2023 Speech competition and fitness pledge

On the last day of the "Fit India Week" celebrations, NSS orchestrated a vibrant Speech Competition and Fitness Pledge event at the Department of Agriculture seminar hall. This event saw an impressive turnout, with almost 20 NSS volunteers engaging in the speech competition and a massive participation of 95+ volunteers taking part in the fitness pledge on November 24th, 2023. It was an inspiring day!

Dr. Adesh Kumar Tripathi took charge of coordinating and supervising both the speech competition and the fitness pledge activities. In the speech competition, excited volunteers shared their perspectives on the "Fit India Week" theme. Each speaker brought forth unique insights, inspiring others with their ideas on fitness, health, and the importance of an active lifestyle. Simultaneously, the fitness pledge event witnessed an overwhelming response as abundant volunteers pledged their commitment to embracing healthier habits and listing physical activity in their lives. The event's success was evidence to Dr. Adesh Kumar Tripathi's guidance with the help of the organizing team Ms. Vishali, Mr. Roshan, Mr. Aditya, Mr. Vedant and the wholehearted involvement of the NSS volunteers. It not only fostered public speaking skills but also encouraged a sense of accountability towards personal fitness and well-being among the participants.





Children's Week Celebration

From November 21 to November 30, 2023, the Department of Pediatric and Preventive Dentistry observed Children's Day. The following tasks were completed.

1) On November 21, 2023, the Career Defence Academy (Kalpi) signed a Memorandum of Understanding and held awareness programs, a dental check-up camp, and numerous competitions for schoolchildren.

- 2) On November 23 and 24, 2023, D.A.V. Public School in Barara will host awareness campaigns and a dental check-up camp.
- 3) On November 30, 2023, Career Defence School (Patiala) hosted awareness programs, a dental check-up camp, and numerous competitions for schoolchildren.
- 4) On November 28, 2023, a number of departmental events were held, including the Rangoli Competition, Reel Making, Prop Making, and Drawing & Coloring Activities.
- 5) E: Participants and winners received certificates.



Communal Harmony Campaign Week

The Communal Harmony Campaign Week Celebration was a great success, promoting peace and understanding in the neighbourhood. The funds raised by NSS volunteers throughout the fundraising campaign will support the continuation and expansion of future initiatives aimed at promoting community harmony.



National Unity Day



Tiranga Rally



14th of August 2023

On the occasion of Vibhajan Vibhishika Smriti Diwas, NSS-MM(DU), Mullana held a Tiranga Rally with the theme MERI MATI MERA DESH. Over 100 volunteers participated in this event,

and the demonstration began in the administrative block and continued all the way to Engineering Block 1. Dr. Adesh Kumar Tripathi oversaw the execution of this event.



11

Sustainable Cities
and Communities

Bicycle Rally



On the occasion of Bicycle Day, MM(DU) organized a Bicycle rally on 3 June 2024 at 1:30 pm. The ride began at Engineering Block-1 and started by Dr. JK Sharma, and the faculty members and volunteers of NSS participated in it. We had a rally throughout the campus, which included the BCA Department, Management Department, Department of Pharmacy, Department of Law, then the Whole Medical Department, and finally reaching the admin block. The main motto of this rally is Environmental Safety, Volunteers' Fitness and awareness of environmental degradation and pollution. The theme of the rally was "No Vehicle No Pollution". Approximately 80-90 participants came out, including our NSS Volunteers and staff members involved in the rally. Our event aimed to influence others to use cycles rather than two- or four-wheeled vehicles for short distances or Nearby places. And we motivate Peoples to include

cycling in their daily routine for fitness and to take environment-friendly steps towards the environment. Cycling benefits their health, which improves strength, balance and coordination. It is an excellent way to maintain a healthy and active lifestyle and How Regular physical activity can improve cardiovascular fitness, strengthen muscles, and boost your energy levels. This event was successfully done by our volunteers and faculty, with energetic participation and NSS team coordination under the supervision of Dr. Adesh Kumar Tripathi, NSS Program Coordinator, and Program Officer Dr. Anuj Malik.



Transportation Policy

A key component of MM(DU)'s success is its transportation infrastructure, which provides staff and students with seamless communication. The institution is well-served by a fleet of 84 buses that connect the campus to important neighboring destinations due to its strategic location between the Haryana cities of Ambala and Yamunanagar. Accessibility and environmental sustainability are given top priority in the university's transportation policy.

Sustainable Commuting Initiatives: MM(DU) provides staff and students with a variety of environmentally friendly transportation options, such as electric carts and shuttle buses that run around the clock for free. These services support the university's efforts to lessen its environmental impact and guarantee prompt access to departments.

Pedestrian-Friendly Campus: The university's campus is planned with pathways that encourage walking and improve pedestrian convenience. This program helps the campus community live in a secure and environmentally responsible environment.

Sustainable Infrastructure

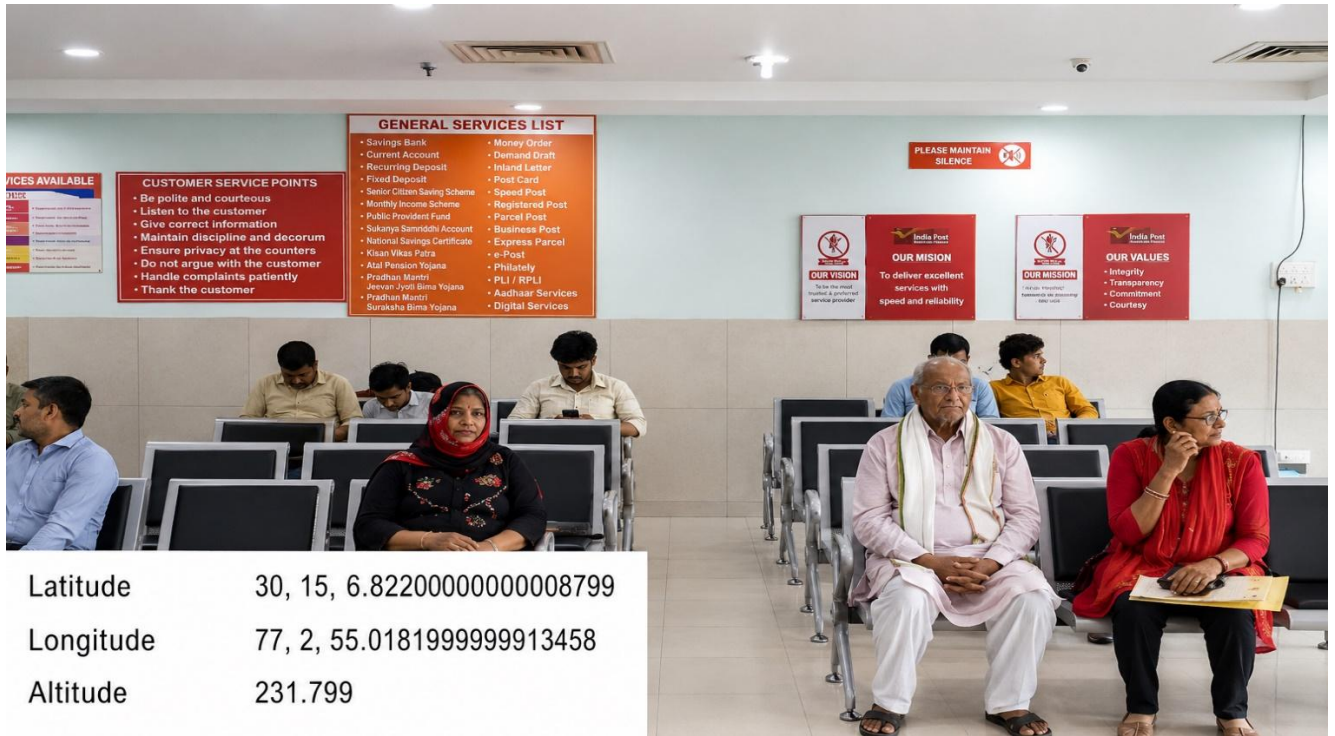














Latitude 30, 15, 3 (30.2550000000518805)
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Deep Utsav



On the occasion of the Ram Mandir inauguration, MM(DU) handles the deep decoration responsibility across the campus of Maharishi Markandeshwar University. Deep Mahotsav is a grand festival celebrated with great enthusiasm to mark the great achievement of Ram Mandir on 22 January 2024, a significant Hindu temple in Ayodhya. This festival is all about lighting lamps (divas) and offering prayers in honor of Lord Ram. The main highlight of the Deep Mahotsav is the lighting of thousands of oil lamps. People decorate their homes and the temple with these lamps, creating a beautiful and festive atmosphere. Our NSS volunteer teams were spread across different locations with decoration responsibilities through divas enlighten including administration block, Medical Departments and Non-medical departments, and Shiv Mandir. This event was successfully done and more than 250 volunteers were spread in different teams and decorated the assigned places by heartfelt presence in the event and made it success.



SDG

12

Responsible
Consumption and
Production

**MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY)
MULLANA-AMBALA, HARYANA - 133207**
(Established under Section 3 of the UGC Act, 1956)
(Accredited by NAAC with Grade 'A')

DISTINCTIVE FEATURE OF THE INSTITUTION

INITIATIVES FOR A GREEN CAMPUS

Surrounded by green fields, the MM(DU) has a lush green campus with a number of dedicated parks, good landscape and green trees in and around the campus. Students are always encouraged to take part in tree plantation drives, being organized every now and then. Stress has always been on preserving the natural environment and establishment of an eco-friendly Campus. Keeping this in mind, almost, every building of MM (DU) is mounted with arrays of Solar Panels with a 4760 KW capacity Solar Power Generation Plant, which is the biggest installation in any University. The total CARBON FOOTPRINT per annum will be 54,00,000 and the CO₂ reduction calculated in the number of trees will be approximately 2,50,000 Trees. We are also exporting huge number of electrical units to the state electrical grid, thereby contributing to the country towards a huge resource and infrastructure requirement.

Additionally, following initiatives have been undertaken for making the campus a truly Green Campus:

1. **Solid Waste Management:** Blue and green colored dustbins, respectively for dry waste and wet waste, are placed in corners of the entire campus in order to easily segregate the biodegradable and non-biodegradable waste. The supervisors ensure the collection of the waste at routine allotted time in each block of the campus. Later, through the mobile trash bins the entire collected waste is emptied in the dumping yard, where it is collected by the authorized vendors for further processing.

2. Liquid Waste Management: The liquid waste is categorized into two types:

- Sewage Waste: The sewage waste is collected through the well-constructed underground drainage system leading to the large collection tanks in the Sewage Treatment Plant for recycling. Treated water is pumped through sprinklers and overhead tanks to all the lawns.
- Laundry, laboratories and kitchen waste is passed through the Sewage Treatment Plants and Effluent Treatment Plant and the treated water is used for sanitation.

➤ **Number of Sewage Treatment Plants: 02**

➤ **Number of Effluent Treatment Plant: 01**

Further, the MM(DU) also has rain water harvesting facilities to conserve the rain water so that it can be gainfully utilized later.

3. Biomedical Waste Management: MM (DU) has adopted the Bio-Medical Waste Management Rules, 2016.

Category	Type of Waste	Type of Bag or Container used
Yellow	Human anatomical waste, Soiled waste, Expired or Discarded Medicines, Chemical waste, Discarded linens contaminated with blood or body fluid, microbiology, biotechnology and another clinical laboratory waste	Yellow coloured non chlorinated plastic bags or containers
Red	Contaminated waste (Recyclable)	Red-coloured non-chlorinated plastic bags or containers
Blue	Glassware and metallic body implants	Blue boxes

Rudraksh Enviro Care Pvt. Ltd., Naraiangarh, authorized by the Haryana State Pollution Control Board (HSPCB), Panchkula for the disposal of Bio-Medical

Waste on monthly basis, has been engaged by the MM (DU) to remove the waste regularly for further disposal.

4. **E-waste Management:** Recycling and repairing of the e-waste is done as per established procedures. Non-recyclable and non-repairable e-wastes are disposed off in a safer manner to the government authorized vendors.
5. **Hazardous Chemicals and Radioactive Waste Management:** Standard Operating Procedure is followed for the hazardous chemicals and radioactive waste disposal. Records are maintained for the compliance of AERB norms at both the MM(DU) level and Departmental level.
6. **Other Measures:** The MM(DU) has totally restricted entry of automobiles to commute within the campus and restricted the same to the central parking's only. Further, **Battery Powered Electric Vehicles** have been introduced for movement within the campus. The MM(DU) conducts a green audit, energy audit and environment audit, regularly. It also has sensor-based energy conservation for its active areas. All electrical bulbs and tube lights are LED's.

In addition to the above measure, the MM(DU) through its NSS units has initiated projects related to the environment safety. The main motto behind these projects is to make the society aware about this important issue. On June 5th, 'World Environment Day' is celebrated in which Tree Plantation and Plastic Ban campaigns are the main activities organized in the MM(DU). Rallies of students are organized to spread the message of adverse effect of pollution on our day-to-day life.

MM(DU) has installed hoardings at critical points within the university premises to avoid any kind of waste, specifically in the university mess.



MMICT&BM hosted a webinar on "Foundations of AI and Data Science" using Google Meet in a hybrid format. The resource person was Dr. Savita R. Gandhi, a former professor and head of the computer science department at Gujarat University and a senior member of IEEE in Ahmedabad, Gujarat. Principal Dr. Sumit Mittal gave the opening remarks, while Dr. Chandani Sharma gave an introduction. Dr. Gandhi discussed the history, types, applications, and real-world examples of AI and data science. Data science trends, such as data mining and analytics tools, were examined in the webinar. A total of 182 students and 8 faculty members attended,

including MCA second and fourth semester students, faculty, and online participants. The event was thought to be interesting and well-attended.

International Webinar On Role And Responsibilities In Pharmaceutical Industries



 **MAHARISHI MARKANDESHWAR**
(DEEMED TO BE UNIVERSITY)
Mullana-Ambala, Haryana
(Established under Section 3 of the UGC Act, 1956)
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INTERNATIONAL WEBINAR

ROLE AND RESPONSIBILITIES IN PHARMACEUTICAL INDUSTRIES

 **3rd**
NOVEMBER, 2023 |  **2:00 PM**
ONWARDS

 **SPEAKER**
Mr. SIKANDER KUMAR
Manager
QMS and Compliance,
Julphar, UAE





Organized by
MM COLLEGE OF PHARMACY

The significance of roles and responsibilities in the pharmaceutical industry is discussed in this webinar. A wide range of goods and services are developed and distributed by the pharmaceutical sector. In order to ensure the highest quality for every product, the pharmaceutical industry strives to verify and test the drug at various stages of manufacture. Other facets of the pharmaceutical industry include the detection of product defects and the application of remedial strategies. In order to improve their knowledge for a successful career in pharmaceutical businesses, students will comprehend the history of the pharmaceutical industry.

SDG

13

Climate
Action

Tree Plantation Drive



To celebrate Kargil Vijay Diwas, NSS arranged a tree planting campaign. In order to participate, volunteers planted seedlings on the campuses of respective hostels. The event was a huge success. Over a hundred little trees, known as saplings, were planted at the event. This indicates that many new trees were planted in the region, which benefits the ecosystem. Over 70 volunteers took part in the event, which was successful and beneficial overall. This event was unique because it not only commemorated a significant day but also contributed to environmental conservation by planting trees. Dr. Vishal Bharti, the principal of the College of Mathematics Department, and Dr. Adesh Kumar Tripathi, the event coordinator, were instrumental in ensuring that everything went smoothly. The event was a huge success because of their efforts.





Keep the Environment Clean and Green

M.M. Institute of Management (MMIM) organised an awareness campaign on “Keep the Environment Clean and Green” in the Government School, Village Budhian as an Institutional Social Responsibility activity to create awareness among the younger children to keep the environment and surroundings clean and green on March 22, 2024. The activity is in compliance of Sustainable Development Goal No. 11, Sustainable Cities and Communities, given by United Nations. The activity intended to create an awareness among the primary stage students for making cities and human settlements inclusive, safe, resilient and sustainable. The environmental education at an early age will not only help to develop environmental awareness but will also promote abilities and attitude which can determine a sustainable and responsible lifestyle in the future. Students of MMIM taught the primary school students not to litter, put waste in garbage bags or dustbins only, save water, plant more and hereby keeping their environment clean and green with the help of various charts. MMIM students helped the primary age children to plant saplings and flowers in their school also so that they learn by practice. The children were given sweets by MMIM students and the children responded that they will throw the wrappers in the dustbin. It was a wonderful experience to see that the small children are responding in a quick and positive manner for keeping their environment clean and green.

Clean Environment, Green Environment

M.M. Institute of Management (MMIM) organised a poster-making and slogan-writing competition on “Clean Environment, Green Environment” as NSS activity for BBA and B.Com IV Semester, to create awareness among the students to keep the environment and surroundings clean and green on February 29, 2024. The activity is in compliance with Sustainable Development Goal No. 11, Sustainable Cities and Communities, given by the United Nations. The activity was intended to create awareness among the students and faculty members about

making cities and human settlements inclusive, safe, resilient and sustainable. Around 200 students participated in the activity and made it a success. Dr. Priyanka Salgotra, NSS Faculty In-charge (MMIM) organised this activity and encouraged the students to participate whole heartedly. Dr. Sunayana Khurana, Director, MMIM, extended her full support to organise the activity and appreciated the sincere efforts of the participants. Dr. Priyanka Salgotra, Dr. Rajit Verma (Professor, MMIM), Dr. Aadesh Tripathi (NSS Co-ordinator) judged the event and declared the winners. Ms. Ankita was declared as the first winner, Ms. Tanya Raj as the second winner and Ms. Anukriti as the third winner.

International Workshop On Climate Change-Resilient

**INTERNATIONAL WORKSHOP ON
CLIMATE CHANGE-RESILIENT**
RESEARCH • INNOVATION • COLLABORATION • SOLUTIONS

**MAHARISHI
MARKANDESHWAR
(DEEMED TO BE UNIVERSITY)**
Mullana-Ambala, Haryana

**SUSTAINABLE
FUTURE**

**GLOBAL
COLLABORATION**

**ADAPTATION &
RESILIENCE**

**INNOVATION FOR
CLIMATE ACTION**

Uniting Minds. Building Solutions. Securing Our Future.

**TOGETHER FOR A
RESILIENT PLANET**
SCIENCE • POLICY • PRACTICE

DATES
7th & 8th
December, 2023

VENUE
MM(Deemed to be University),
Mullana, Ambala,
Haryana, India

ORGANISED BY
School of Engineering
& Technology

"Addressing Today's Challenges for a Climate-Resilient Tomorrow"

Delighted to host a groundbreaking two-day international workshop on climate change-resilient agriculture at MM(DU), Mullana on 7th and 8th December, 2023. Renowned experts Professor Arthur C. Riedacker and Professor Dr. Dieter H. Trautz led the sessions, sharing insights for sustainable development. Their positive remarks on our infrastructure and research efforts, including farm research, motivate us to continue our pursuit of excellence.

SDG

14

Life Below Water

Development of a Fish Pond at Sohana, July 2023

A 15 x 20 m fish pond was built at Sohana in July 2023 by the Department of Agriculture at Maharishi Markandeshwar University in Mullana. One thousand fish, including Rohu, Mirgal, Common Carp, and Big Hud, were put into the pond on October 4, 2023. A green natural feed was made with components including urea, DAP, mustard, and cake to guarantee the health and growth of the fish. To keep the pond's oxygen levels at ideal levels, fresh water is continuously added and feed is supplied on a regular basis.

Objectives:

- To familiarize students with fish species and their byproducts.
- Students will acquire useful techniques for managing and raising fish.
- They will learn things that could help them launch a fishing company.
- Promotes self-sufficiency in food and addresses unemployment through the development of the fisheries industry.





MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY)

Mullana, Ambala, Haryana, 133207

(Established under section 3 of the UGC Act, 1956)

(NAAC Accredited Grade 'A')

MMCTBM (HM)	B.SC(FST) 3		the need and importance of dairy and fishery industry,
MMCTBM (HM)	B.SC(FST) 3		the compositional and technological aspects of milk and fish &
MMCTBM (HM)	B.SC(FST) 3		processed milk and fish products
MMCTBM (HM)	B.SC(FST) 3	Entrepreneurship Development-	Develops knowledge on Meaning, Needs and Importance of Entrepreneurship
MMCTBM (HM)	B.SC(FST) 3	Food Engineering and Packaging-	acquaint with fundamentals of food engineering and its process & develop an understanding of different food packaging materials and packaging design and techniques used for various foods
MMCTBM (HM)	B.SC(FST) 3	Food and Nutrition Practical-	Practical identification of sources of various nutrients and development of various foods accordingly
MMCTBM (HM)	B.SC(FST) 3	Technology of Fruits, Vegetables and Plantation Crops Practical-	Practical knowledge on fruits and vegetable processing
MMCTBM (HM)	B.SC(FST) 4	Technology of Cereals, Pulses and Oilseeds	Develops knowledge on technology of milling of various cereals & To impart technical knowhow of pulses and oilseeds refining
MMCTBM (HM)	B.SC(FST) 4	Food Microbiology	Knowledge on the important genera of microorganisms associated with food and their characteristics & understanding on the role of microbes in fermentation, spoilage and food borne diseases
MMCTBM (HM)	B.SC(FST) 4	Technology of Meat, Poultry and Egg-	Understanding of need and importance of livestock, egg and poultry industry; structure, composition and nutritional quality of animal products & processing and preservation of animal foods

SDG

15
Life On Land

Meri Mati Mera Desh

The “Meri Maati Mera Desh” Rally, organized by NCC and NSS-MMDU, was an initiative aimed at fostering a sense of patriotism among students. HOD’S of all departments and faculty members of each department put a handful of rice and soil in pots. The rally started from the administration block, moved around all departments of medical as well as non-medical departments and ended at the Engineering block. This rally was done by NSS volunteers in collaboration with NCC cadets. Around 90-95 Volunteers participated under the guidance of Dr. Adesh Kumar Tripathi and Dr. Meenu. “Meri Maati Mera Desh” is a grand celebration of India’s soil and courage. It honors the country’s journey through its struggle for freedom and its achievements in progress. This initiative is about recognizing and giving value to the land and the sacrifices made for the nation, highlighting the pride and unity that come from India’s history and growth.







Under the guidance of Professor (Dr.) V.S. Pahil, Director of the Department of Agriculture, the Department of Agriculture at MMDU Mullana conducted a program on the role of women in agriculture in partnership with ICAR-KVK, Tepla. Over forty-five female students and faculty members took part in the event. According to Director Dr. V. S. Pahil, women are crucial to domestic chores and livestock or poultry farms. This time, ICAR-Krishi Vigyan Kendra, Tepla gave bags to MM (DU) female students.

The significance of roles and responsibilities in the pharmaceutical industry is discussed in this webinar. A wide range of goods and services are developed and distributed by the pharmaceutical sector. In order to ensure the highest quality for every product, the pharmaceutical industry strives to verify and test the drug at various stages of manufacture. Other parts of the pharmaceutical industry include identifying product defects and putting corrective measures and techniques in place. In order to improve their knowledge for a successful career in pharmaceutical businesses, students will comprehend the history of the pharmaceutical industry.

SDG

16

Peace, Justice and
Strong Institutions

Har Ghar Tiranga Campaign



MM(DU) organized the “Har Ghar Tiranga” campaign on August 14, 2023, as part of the Azadi ka Amrit Mahotsav celebrations. Where NSS volunteers conducted an awareness drive across the campus. They visited various departments and hostels, informing students and staff about the significance of the Har Ghar Tiranga campaign. NSS volunteers conducted a rally from BCA department and cover whole university campus includes department of Law, Pharmacy

department, BBA department, Agriculture department and end up in front of Engineering Block 1 of MMDU campus. The campaign was attended by faculty members, University officials and over 80 volunteers. The Har Ghar Tiranga campaign at MMDU University was a resounding success, under the supervision of Dr. Adesh Kumar Tripathi with the NSS unit playing a key role in raising awareness and promoting patriotism. The campaign not only fostered a sense of national unity on campus but also had a positive impact on the surrounding community. NSS volunteers effectively carried out their duties and ensured the campaign's success.

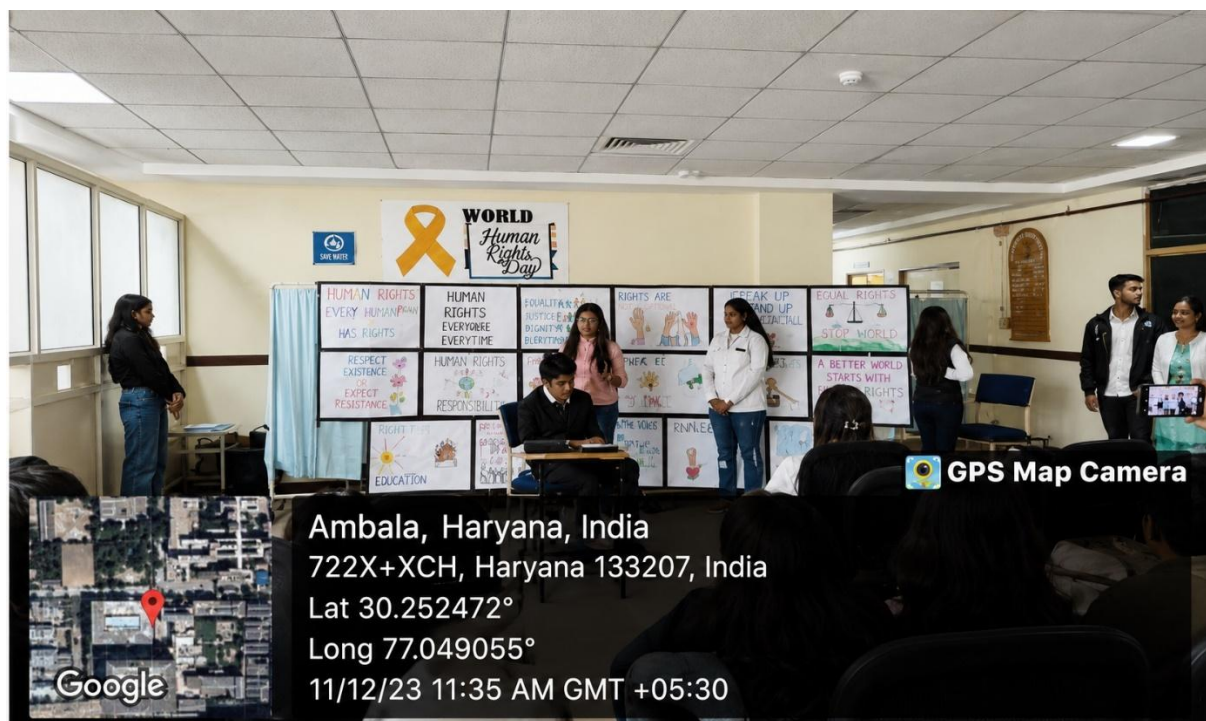


Group Project on Rights of Mentally Ill Patients

The Department of Psychiatry, in collaboration with M.M. College of Nursing, Mullana, Ambala, organized a group project on the occasion of World Human Rights Day to create awareness about the rights of mentally ill patients. The programme was conducted on 5 December 2023 at MMIMSR Hospital, Mullana, under the guidance of Ms. Sonia (Associate Professor) and Mr. Prakash Jha (Assistant Professor). The event was organized in Hindi, Haryanvi, and English by B.Sc. Nursing third-year students. The programme commemorated

Human Rights Day, observed annually on 10 December, highlighting the principles of the Universal Declaration of Human Rights and promoting dignity, equality, and justice for all. [3] The programme aimed to spread awareness regarding the rights of mentally ill patients and educate patients, caregivers, and the public about the importance of respecting human rights in mental healthcare. Students prepared educational charts, invitation materials, scripts, and role plays depicting real-life situations faced by individuals with mental illness. The role play demonstrated important patient rights, including the right to dignity, equality, freedom from cruelty, admission, affordable treatment, appropriate clothing, information, communication, visitors, confidentiality, and refusal of treatment. These demonstrations effectively illustrated how healthcare professionals and society should protect the rights of mentally ill individuals. In addition to the role play, chart presentations and recreational therapy activities were conducted to engage the audience and reinforce key messages. Faculty members, hospital staff, patients, and their relatives actively participated in the programme. The event concluded with a vote of thanks, appreciation from the audience, and positive feedback for the students' dedication and teamwork. Approximately 80–100 participants attended the programme. Overall, the project successfully enhanced awareness of Human Rights Day and the rights of mentally ill patients while promoting empathy, respect, and non-discriminatory mental healthcare.





Awareness Programme on Understanding of the Indian Legal System

The Legal Aid Clinic of the Department of Law, Maharishi Markandeshwar (Deemed to be University), Mullana, Ambala, organized an Awareness Programme on Understanding of the Indian Legal System on 29 November 2023 for the students of Class XII from Delhi Public School, Yamunanagar. The programme was conducted to familiarize students with the fundamentals of the Indian legal system, the role of legal institutions, and the importance of legal awareness in society. The event was organized under the guidance of the Head and Dean of the Department of Law. The programme commenced with a welcome address by Dr. Poonam Lamba, Faculty Coordinator, who introduced the students to the activities of the Legal Aid Clinic and the Moot Court Society. She also highlighted the diverse career opportunities available in the legal profession and emphasized the significance of legal education in promoting justice and social responsibility. The resource persons, Mr. Dhannanjay Singh and Ms. Vratika Singh, delivered informative sessions on the structure and functioning of the Indian legal system. They explained the roles and responsibilities of civil and criminal lawyers and discussed important legal concepts related to Intellectual Property Rights (IPR), the Right to Information (RTI), environmental law, biodiversity law, insurance law, and taxation law. The sessions provided students with a practical understanding of legal procedures and highlighted the relevance of legal awareness in everyday life. The programme witnessed the participation of 54 students accompanied by two teachers from Delhi Public School, Yamunanagar. The interactive nature of the sessions encouraged active participation, enabling students to clarify their queries and gain

valuable insights into legal rights, responsibilities, and career prospects in the field of law. Attendance records and photographs included in the document reflect enthusiastic participation and successful engagement throughout the programme. Overall, the awareness programme was successfully conducted and achieved its objective of enhancing legal literacy among school students. The event strengthened participants' understanding of the Indian legal system, promoted awareness of legal rights and duties, and encouraged them to appreciate the role of law in ensuring justice and maintaining social order. The programme concluded with a vote of thanks to the organizers, resource persons, teachers, and students for their active participation and support.

Celebration of 14th National Voters' Day

The Department of Law, Maharishi Markandeshwar (Deemed to be University), Mullana, organized and celebrated the 14th National Voters' Day on 25 January 2024 in accordance with the directions issued by the Ministry of Education. The programme aimed to promote voter education, electoral literacy, and encourage citizens, particularly young voters, to participate actively in the democratic process. The event was organized under the national theme "Nothing Like Voting, I Vote for Sure." The celebration commenced with the participation of students and faculty members in the National Level Programme "Namo Navmatdata Sammelan," which was virtually addressed by the Hon'ble Prime Minister of India, Shri Narendra Modi. Approximately 185 students attended this national-level session, where the importance of electoral participation and responsible citizenship was emphasized. Following the national programme, the departmental event began with the inaugural address by Prof. (Dr.) Bindu Jindal, Dean and Head, Department of Law. In her address, she highlighted the significance of every vote in strengthening democracy and urged students to exercise their voting rights fearlessly and responsibly. She emphasized that every eligible citizen should participate in elections without any bias or external influence. Prof. S. P. Saini delivered an informative lecture on the significance of National Voters' Day, explaining that the day is celebrated every year on 25 January to commemorate the establishment of the Election Commission of India in 1950. He elaborated on the Commission's vital role in ensuring free, fair, and transparent elections in the country and encouraged students to uphold democratic values through informed and ethical voting. An important highlight of the programme was the Voters' Pledge Ceremony, during which all participants pledged to cast their votes fearlessly, independently, and without being influenced by caste, religion, language, region, or any form of inducement. The oath reinforced the ideals of ethical voting and responsible citizenship among the attendees.

To enhance students' awareness and creativity, the department organized a Poster Making Competition, which witnessed enthusiastic participation from 31 students. The competition encouraged participants to express the importance of voting and democratic participation through creative artwork. Anshika (B.A. LL.B. 2nd Year) secured the First Position, Rama (BPT)

obtained the Second Position, while Yashwavi (B.A. LL.B. 2nd Year) and Mahima Suryavanshi (LL.M. 2nd Semester) jointly secured the Third Position. Priyanshi (B.Sc. Agriculture) received the Consolation Prize for her commendable performance. The programme witnessed active participation from 13 faculty members and 72 students at the departmental level. The event concluded with a formal Vote of Thanks delivered by Dr. Madhu Bala, who expressed gratitude to all dignitaries, faculty members, students, and organizers for making the programme successful. The event was efficiently coordinated by Mr. Manish Yadav and Mrs. Kunjana Mittal, whose efforts ensured the smooth conduct of all activities.

1st National Mediation Competition 2023

The Students Moot Court Society (SMCS), Department of Law, Maharishi Markandeshwar (Deemed to be University), Mullana, successfully organized the 1st National Mediation Competition under the National Youth Festival – UniversusMM 2023 on 13 October 2023. The event witnessed enthusiastic participation from 10 teams representing various institutions, providing a platform for aspiring legal professionals to demonstrate their mediation, negotiation, and dispute resolution skills. The programme commenced with the registration of participating teams, followed by a formal welcome address delivered by Prof. (Dr.) Bindu Jindal, Head and Dean, Department of Law. The preliminary rounds were conducted through a draw of lots and were adjudicated by a distinguished panel of eight judges. The semifinal rounds were evaluated by four jury members, while the final round was judged by a three-member panel comprising Prof. (Dr.) Bindu Jindal, Prof. Preety Jain from Kurukshetra University, and Dr. Bharat from Panjab University, Chandigarh.

The competition concluded with Rajiv Gandhi National University of Law (RGNUL), Patiala emerging as the Best Mediating Pair. The Best Mediator awards were secured by participants from O.P. Jindal Global University, Sonapat, and University Institute of Legal Studies (UILS), Panjab University, Chandigarh. The event was efficiently coordinated by Ms. Gurusha Bhalla (President) and Mr. Pavan Kumar (Vice-President) of the Students Moot Court Society under the overall guidance and supervision of Prof. (Dr.) Bindu Jindal. The programme concluded with the announcement of the results by the jury. All participants were awarded certificates, while the winners received medals along with cash prizes of ₹7,000 and ₹3,500, respectively. The distinguished guests and jury members were felicitated with mementoes and certificates in recognition of their valuable contribution to the successful conduct of the event. The competition was a grand success and reinforced the Department's commitment to promoting alternative dispute resolution mechanisms and practical legal education among law students.

SDG

17

Partnerships for
the goals

Partnerships for the Goals emphasizes the importance of strengthening global, national, regional, and local partnerships to achieve sustainable development. Universities play a pivotal role in this endeavour by acting as centres of knowledge generation, innovation, capacity building, and community engagement. During the assessment period 1 July 2023 to 30 June 2024, Maharishi Markandeshwar (Deemed to be University) (MM(DU)), Mullana, Ambala, Haryana, continued to strengthen collaborations with academic institutions, industries, healthcare organizations, government agencies, research bodies, professional organizations, and local communities. These partnerships significantly contributed to enhancing education, research, healthcare, innovation, and societal development while supporting the implementation of the United Nations Sustainable Development Goals.

MM(DU) maintained a strong culture of academic collaboration through Memoranda of Understanding (MoUs) and institutional partnerships with universities, research institutes, professional societies, and educational organizations. These collaborations facilitated joint research projects, faculty exchange programmes, collaborative publications, student training, workshops, seminars, conferences, and curriculum enrichment. Such partnerships enabled faculty members and students to exchange knowledge, access specialized expertise, and undertake interdisciplinary research addressing contemporary challenges in engineering, medicine, pharmacy, nursing, management, biotechnology, agriculture, environmental sciences, and social sciences. The University's research ecosystem encouraged collaborative learning and fostered innovation through interdisciplinary academic networks.

Research partnerships remained a major strength of the University during the reporting period. Faculty members actively collaborated with national research organizations, government funding agencies, hospitals, laboratories, industries, and international researchers to undertake multidisciplinary research projects. These collaborative initiatives resulted in high-quality scientific publications, patents, consultancy activities, technology development, and capacity-building programmes. The University's emphasis on collaborative research enhanced scientific excellence while generating solutions for societal challenges related to healthcare, environmental sustainability, renewable energy, pharmaceutical sciences, artificial intelligence, biotechnology, and public health. The University's Ph.D. programmes further strengthened research partnerships by providing scholars with opportunities to work closely with experienced faculty members and

multidisciplinary research teams, thereby fostering innovation and advanced knowledge creation during the reporting period.

Industry–academia collaboration remained an integral component of MM(DU)'s commitment to SDG 17. The University collaborated with industries, corporate organizations, healthcare providers, pharmaceutical companies, engineering firms, financial institutions, and technology companies to bridge the gap between academic education and industrial practice. These partnerships supported internships, industrial visits, skill development programmes, expert lectures, consultancy assignments, sponsored research, curriculum enhancement, and placement opportunities. Students benefited from experiential learning, practical exposure, and professional mentoring, thereby improving their employability and entrepreneurial capabilities. Collaborative innovation projects also encouraged commercialization of research outcomes and technology transfer to industry.

Healthcare partnerships formed one of the University's most significant contributions towards sustainable development. Through its constituent medical colleges, hospitals, nursing institutions, dental college, physiotherapy college, and allied health sciences departments, MM(DU) collaborated with government health departments, healthcare organizations, medical associations, and community groups to improve healthcare accessibility and public health awareness. Free medical camps, health screening programmes, blood donation camps, vaccination support, maternal and child healthcare initiatives, cancer awareness campaigns, organ donation awareness programmes, and preventive healthcare services were organized in partnership with public authorities and voluntary organizations. These collaborative healthcare initiatives strengthened regional healthcare delivery while addressing health inequalities among underserved populations.

The University also strengthened its engagement with government organizations and statutory bodies during the assessment period. Collaborations with central and state government departments, regulatory authorities, research councils, and funding agencies facilitated implementation of research projects, policy-oriented studies, faculty development programmes, innovation initiatives, and community development activities. Faculty members actively contributed their expertise through advisory committees, policy consultations, technical guidance, and professional training programmes. Such partnerships enhanced evidence-based decision-making while supporting regional and national development priorities.

International collaboration continued to expand the University's academic and research profile. MM(DU) promoted partnerships with overseas universities and international research institutions through collaborative research, joint publications, faculty interaction, student mobility, and participation in international conferences. These global engagements enhanced the University's international visibility, encouraged cross-cultural academic exchange, and strengthened research quality through exposure to advanced scientific methodologies and global best practices. International partnerships also enabled collaborative solutions for global challenges including

sustainable healthcare, climate resilience, environmental management, digital technologies, and biotechnology.

Community engagement represented another important dimension of the University's partnership strategy. Through the National Service Scheme (NSS), National Cadet Corps (NCC), outreach centres, and departmental extension activities, MM(DU) collaborated with village panchayats, schools, self-help groups, local authorities, and non-governmental organizations to undertake community development programmes. Activities included environmental awareness campaigns, tree plantation drives, sanitation campaigns, literacy programmes, digital literacy training, women empowerment initiatives, road safety awareness, financial literacy programmes, disaster preparedness training, and rural health awareness activities. These partnerships empowered local communities while strengthening social inclusion, environmental stewardship, and participatory development.

Knowledge sharing remained central to the University's partnership framework. During the reporting period, MM(DU) organized and hosted numerous national and international conferences, workshops, faculty development programmes, continuing education programmes, and scientific symposia in collaboration with professional societies, academic institutions, government agencies, and industry experts. Such collaborative platforms promoted dissemination of scientific knowledge, interdisciplinary dialogue, networking opportunities, and exchange of innovative ideas among researchers, educators, practitioners, policymakers, and students. The University's commitment to organizing scientific events further strengthened academic partnerships and research capacity. Proceedings of international conferences organized under the University also reflected its commitment to advancing collaborative research in life sciences, biotechnology, and related disciplines.

Innovation and entrepreneurship were further promoted through collaborations with incubation centres, innovation ecosystems, industrial partners, and entrepreneurship development organizations. These partnerships provided mentoring, skill development, innovation support, intellectual property guidance, and opportunities for startup development. Students and researchers were encouraged to translate innovative ideas into commercially viable technologies that contribute to economic growth and sustainable development.

Overall, during the period 2023-2024, Maharishi Markandeshwar (Deemed to be University), Mullana, Ambala, Haryana, demonstrated a strong institutional commitment to SDG 17: Partnerships for the Goals by strengthening collaborations across academia, industry, healthcare, government, research organizations, international institutions, and local communities. These partnerships enhanced educational quality, promoted interdisciplinary research, strengthened healthcare delivery, encouraged innovation and entrepreneurship, facilitated knowledge exchange, and supported community development. By fostering collaborative networks that integrate education, research, innovation, and social responsibility, the University significantly contributed to sustainable development while reinforcing its vision of becoming a globally

recognized institution dedicated to academic excellence, societal impact, and the achievement of the United Nations Sustainable Development Goals.

Short-Term Course on Sustainable Development Goals- Challenges and Opportunities

Department of Electrical Engineering, NITTTR Chandigarh, conducted a short-term course on “Sustainable Development Goals- Challenges and Opportunities” (ICT-86) from 21/08/2023 to 25/08/2023 at Nodal Remote Centre- Civil Engineering Department, Seminar Hall (LT-9), MMEC, Maharishi Markandeshwar (Deemed to be University), Mullana, Ambala. Prof. Poonam Syal (Professor, Electrical Engineering Department), NITTTR Chandigarh, was the Chairperson and Head Coordinator of the program. The overall program was very satisfactory and learner-centric. There were a total of 31 faculty members from Maharishi Markandeshwar (Deemed to Be University), who completed this Short Term Course. The Short Term Course was designed to upgrade the knowledge regarding the importance of Sustainable Development and the challenges everyone faced, and to find out opportunities.

The course aimed to:

1. Introduction to Sustainable Development Goals - history and significance.
2. Challenges and success stories for each Sustainable Development Goal.
3. Interlinkages and Integration-The interconnectedness of Sustainable Development Goals and holistic strategies.
4. Challenges in Achieving Sustainable Development Goals:- Barriers such as political, economic, social, and environmental issues.
5. Opportunities and Solutions:- Innovative solutions, technology, and partnerships.
6. Global and Local Perspectives: Roles of various stakeholders and local actions.
7. Policy and Governance: Governance, policy instruments, and regulatory measures.

