



**MAHARISHI MARKANDESHWAR
(DEEMED TO BE UNIVERSITY)**

Mullana-Ambala, Haryana

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

(Accredited by NAAC with Grade 'A++')



ANNUAL REPORT - 2022-23 -





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INTRODUCTION

Since its inception in 1993, Maharishi Markandeshwar Trust (MMT) has banked upon innovation and passion to make the process of education valuable as well as relevant in sync with global competition. In fact, the Trust has gone out of its way to rope in best practices in the education eco system which is so very evident in the ever-increasing influence and popularity of MM(DU), a leading and vibrant Deemed to be University under MM Trust. MM(DU) is known for its high employability quotient courses, world-class faculty, state-of-the-art infrastructure and larger-than-life success stories of its alumni.

MM(DU) has been the vanguard of every industry-institute engagement. Besides the regular classroom lectures, students also get a chance to take part in workshops and webinars apprising them of real-life business leadership challenges.

What we offer is more than a degree; it is the complete learning experience along with a robust monitoring network and with the best of opportunities, career and personal advancement across different fragments of the Full-Time Programs. Being a part of the lively, pioneering and socially engaged global community of MM(DU), students get to see diversity in all forms. They are able to rise to a culture of collaboration and develop the nerves to deal with the status quo.

About the Founder

A MAN OF POSITIVE CHANGE WHO MADE EDUCATION HIS MISSION FOR LIFE!

Meet the visionary behind MM Institutions - Shri Tarsem Kumar Garg who aspired to see students hailing from North India getting empowered with global education so as to have the best start in their life. It was his idea that the best education and infrastructure should be made available to the youth of tier II and tier III cities in North India. Coming from a humble background himself; Sh. Garg dedicated his life to spread the enthusiasm for higher education and professional courses in small towns and rural areas of the region.

To realise the vision of "Education for all", he set up the Maharishi Markandeshwar Education Trust (now known as Maharishi Markandeshwar Trust) in 1993. In a short span of less than three decades, the MM Group of Institutions has grown into one of the most reputed educational groups in the country, which takes pride in its state-of-the-art infrastructure as well as expert faculty. These institutions have widened the horizons of growth and success for thousands of youth and equipped them with a culture of excellence, inclusiveness and social service.

Shri. Tarsem Kumar Garg
Hon'ble Chancellor, MMUs

VISION



To prepare students with an integrated and technology oriented education for a better career and to be worthy citizens of a global society

GOALS



To excel in various disciplines of education
To encourage research and development in various departments in thrust areas identified by various national agencies

MISSION



To develop better than the best professionals for the economic development of the country

QUALITY STATEMENT



Committed to produce trained and professional manpower competent and responsive to the challenges of a dynamic and vibrant society

MEMBERS OF EXECUTIVE COUNCIL

Sr. No	Name of Members
1.	Dr. Harish Kumar Sharma Vice - Chancellor
2.	Dr. Vishal Garg 45, Model Town, Ambala City
3.	Dr. Meenakshi Garg 55, Model Town, Ambala City
4.	Dr. M.L. Ranga (Former Vice- Chancellor, KUK & GJUS&T) Kothi No. 841/5, Urban Estate, Kurukshetra
5.	Dr. L. C. Gupta (Ex. Member of Distance Education Council) H.No. D-3030, Ansal Shushant City, Sec-32, Kurukshetra
6.	Dr. B. K. Aggarwal Dean, Faculty of Medical Sciences
7.	Dr. Jyoti Sarin Dean, faculty of Nursing
8.	Dr. Navneet Kukreja Professor Conservative Dentistry, MMCDS & R
9.	Dr. Nivedita Agnihotri Associate Professor Chemistry, MMEC
10.	Dr. Varun Goyal Assistant Professor ECE, MMEC
11.	Prof. Rajinder Kumar Registrar

MEMBERS OF THE FINANCE COMMITTEE

Sr. No		Name of Member
1.	Vice-Chancellor	Dr. Harish Kumar Sharma
2.	One Nominee of the Trust	1. Dr. Meenakshi Garg 55, Model Town, Ambala City
3.	Two Nominees of the Board of Management (one of whom shall be a Member of the Board)	1. Dr. Vishal Garg 45, Model Town, Ambala City 2. Dr. L.C. Gupta (Former Member, Distance Education Council) H. No. E -45, K.U. Campus, Kurukshetra
4	One Representative of the Central Government	Nomination Awaited
5.	Finance Officer	Member Secretary



MEMBERS OF ACADEMIC COUNCIL

NAME	DESIGNATION
Dr. HARISH KUMAR SHARMA	VICE-CHANCELLOR ... in the Chair

VACANT

<p>I. Three Persons amongst Educationists nominated by the Vice-Chancellor</p>	<ol style="list-style-type: none"> 1. Dr. M.L. Ranga (Former Vice-Chancellor of KUK and GJUST, Hisar), Kothi No. 841/5, Urban Estate, Kurukshetra 2. Dr. Adya Prasad Panday (Former Vice Chancellor, Manipur University) G-20, Arbindo Colony B.H.U. Varanasi 3. Dr. (Mrs.) Neelam Dhenda Dean, Faculty of Commerce & Management, Kurukshetra University, Kurukshetra
<p>II. Three Persons not Members of the Teaching Staff Co-opted by the Academic Council</p>	<ol style="list-style-type: none"> 1. Dr. L.C. Gupta (Former Member, Distance Education Council) H. No. E - 45, K.U. Campus, Kurukshetra 2. Dr. Anil Jain, President Vaiseshika Electron Devices, 38, Industrial Estate, Across Tangri River Bridge, Ambala Cantt 3. Dr. Suchita Upadhaya Professor, Department of Computer Science, Kurukshetra University, Kurukshetra

Deans of the Faculties

NAME	DESIGNATION
Dr. B.K. Aggarwal	Dean, Medical Sciences
Dr. G.M. Sogi	Dean, Dental Sciences
Dr. (Mrs.) Jyoti Sarin	Dean, Nursing
Dr. Vishal Bharti	Dean, Engineering & Technology
Dr. Bindu Jindal	Dean, Law
Dr. Sunayana	Dean, Management
Dr. Sumeet Gupta	Dean, Pharmaceutical Sciences
Dr. Surabhi Sharma	Dean, Agriculture

Heads of Departments/Institutions (other than Deans)

Sr. No.	Name of Teacher	Department	Designation	Name of College /Institution
1.	Dr. Manu Goel	Physiotherapy	Principal	MMIP&R
2.	Mrs. Uma Jebamani Deaver	Nursing	Principal	MMIN
3.	Ms. Rekha Kaushik	Hotel Mgt.	Principal	MMICT&BM(HotelMgt.)
4.	Dr. Sumit Mittal	MCA	Principal	MMICT&BM (MCA)
5.	Dr. Bindu Jindal	Law	HOD	Law
6.	Dr. Sandeep Goyal	Comp. Sc. &Engg.	HOD	MMEC
7.	Dr. Vanita Aggarwal	Civil Engg.	HOD	-do-
8.	Dr. Sharad Sharma	ECE	HOD	-do-
9.	Dr. N.K. Batra	Mechanical Engg.	HOD	-do-
10.	Dr. Deepak Gupta	Maths. & Hum.	HOD	-do-
11.	Dr. Bhawna Pareek	Chemistry	HOD	-do-
12.	Dr. Vandana Sharma	Physics	HOD	-do-
13.	Dr. Adesh Kumar Saini	Bio-Sciences & Tech.	HOD	-do-
14.	Dr.Tarun Gulati	Electrical Engg	HOD	-do-
15.	Dr. Atul Sharma	Oral Maxill. Surgery	HOD	MMCD&R
16.	Dr. Sandeep Garg	Prosthodontics	HOD	-do-
17.	Dr. SushruthNayak	Oral Pathology	HOD	-do-

Sr. No.	Name of Teacher	Department	Designation	Name of College /Institution
18.	Dr. H.P Suma Sogi	Pedodontics	HOD	-do-
19.	Dr. S.K. Sachdeva	Periodontics	HOD	-do-
20.	Dr. Deepak Gupta	Oral Med. & R	HOD	-do-
21.	Dr. Deepankar Bhatnagar	Orthodontics	HOD	-do-
22.	Dr. G.M. Sogi	PCD	HOD	-do-
23.	Dr. Navneet Kukreja	Cons. Dentistry	HOD	-do-
24.	Dr. Narinder Kaur	Microbiology	HOD	MMIMS&R
25.	Dr. Sunita Gupta	Gen. Medicine	HOD	-do-
26.	Dr. Amit Mittal	Radio Diagnosis & Imaging	HOD	-do-
27.	Dr. Maha Singh	Paediatrics	HOD	-do-
28.	Dr. Yogesh Sharma	Orthopaedics	HOD	-do-
29.	Dr. Anshu Mittal	PSM/Commu. Med	HOD	-do-
30.	Dr. Dinesh Kansal	Pharmacology	HOD	-do-
31.	Dr. Ram Nandan Prasad	Anaesthesia	HOD	MMIMS&R
32.	Dr. K.K. Aggarwal	Forensic Med.	HOD	-do-
33.	Dr. Jai Kishan	TB & Chest/ Resp. Med.	HOD	-do-
34.	Dr. M.L Pandey	Ophthalmology	HOD	-do-
35.	Dr. Sanjeev Gupta	Skin / DVL	HOD	-do-
36.	Dr. Sasanka Chakrabarti	Biochemistry	HOD	-do-
37.	Dr. Madhu Bhatt	Physiology	HOD	-do-
38.	Dr. Vijay Nijhawan	Pathology	HOD	-do-
39.	Dr. Subhash Chawla	Gen. Surgery	HOD	-do-
40.	*Dr. Kirandeep Kaur Aulakha	Anatomy	HOD	-do-
41.	Dr. Ruby Bhatia	Obs. & Gyn.	HOD	-do-
42.	Dr. GinniDatta	ENT	HOD	-do-
43.	Dr. Gavinder Singh Bindra	Neuro Surgery	HOD	-do-
44.	Dr. Vivek Ahuja	Gastroenterology	HOD	-do-
45.	Dr. Rajesh Khanna	Urology	HOD	-do-
46.	Dr. Rajeev Kumar Seam	Radiation Oncology	HOD	-do-
47.	Dr. Rajeev Bhardwaj	Cardiology	HOD	-do-
48.	Dr. Poonam Bharti	Psychiatry	HOD	-do-

Ten Professors

Sr. No.	Name of Teacher	Department	Institution
1.	Dr. Sanjeev Mittal,	Prosthodontics	MMCD&R
2.	Dr. AneetMahendra	Skin	MMIMS&R
3.	Dr. R.D. Gupta	Mechanical Engg.	MMEC
4.	Dr. Ritika Bansal	Law	Law
5.	*Dr. Vinay Kumari	Nursing	MMCN
6.	Dr. Munishwer Rai	Computer Science	MMICT&BM(MCA)
7.	Dr. Ishwar Singh	Agriculture	Agriculture
8.	Dr. Vipin Saini	Pharmacy	MMCP
9.	Dr. Sultan Singh	Management	MMIM
10.	Dr. Nidhi Sharma	Physiotherapy	MMIP&R

Associate Professors

Sr. No.	Name of Teacher	Department	Institution
1.	Dr. Dhanesh Garg	Nursing	MMCN
2.	Dr. Ashwanti Devi	Bio-Science & Technology	MMEC
3.	Dr. Suman Rajput	HM	MMICT&BM(HM)
4.	*Dr. S.V.S. Bala	Radiotherapy	MMIMS&R
5.	Dr. Nidhi Mangtani	Prosthodontics	MMCD&R

Assistant Professors

Sr. No.	Name of Teacher	Department	Institution
1.	Dr. Iti Dixit	Mechanical Engg.	MMEC
2.	Dr. Vivek Bhatnagar	Computer Application	MMICT&BM(MCA)
3.	Dr. Rashmi Garg	Management	MMIM
4.	Ms. AlkaKimothi	Nursing	MMCN
5.	Ms. KirtiGoel	Pharmacy	MMCP

Outside Experts

1.	Dr. M.L. Ranga (Ex Vice-Chancellor, KUK &GJUS&T), 841/5, Urban Estate, Kurukshetra.
2.	Dr. L.C. Gupta (Ex-Member, Distance Education Council), H.No. E-45, KU Campus, Kurukshetra.
3.	Dr. Anil Jain President, Vaiseshika Electron Devices, 38, Industrial Estate, Across Tangri River Bridge, Ambala Cantt.
4.	Dr. S.D. Sharma (Ex Vice-Chancellor, HPU), Kothi No. 74/7, Urban Estate, Karnal
5.	Dr. R.S. Sharma (Ex Vice-Chancellor, CDLU), Kothi No. 1658/9, Urban Estate, Karnal
6.	Dr. Dharmender Ex-Dean, Faculty of Engg. & Tech., GJ University of Sc. & Technology, Hisar.

Secretary

1.	Prof. Rajinder Kumar Registrar
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ACCREDITATION & RANKINGS

ACCREDITED BY
NAAC
WITH ITS HIGHEST
GRADE
'A++'



QS WORLD
UNIVERSITY
RANKINGS
RANKED **174**
SOUTHERN ASIA REGION
QS ASIA UNIVERSITY RANKINGS 2023



NIRF RANKINGS 2023

Ranked **78th** Amongst
Top Universities in
INDIA

Ranked **34th** Amongst
Top Medical Colleges in
INDIA

Ranked **31st** Amongst
Top Pharmacy Colleges in
INDIA



TIMES HIGHER EDUCATION
WORLD WIDE RANK BAND
601-800
Amongst the Top Universities
of the World



WORLD WIDE RANK BAND

201-250

AMONGST ALL UNIVERSITIES IN
THE WORLD CREATED SINCE 1973



WORLD WIDE RANK BAND

201-250

AMONGST
ALL UNIVERSITIES IN ASIA

NBA ACCREDITATION

B.Tech CSE & B.Tech Civil Engg. - Accredited by NBA (Tier 1 Washington Accord).

B.Pharmacy - Accredited by NBA

NIRF 2023, MINISTRY OF EDUCATION, GOVT OF INDIA

- Ranked 78th amongst Top Universities in India
- Ranked 34th amongst Top Medical Colleges in India
- Ranked 31st amongst Top Pharmacy Colleges in India

TIMES HIGHER EDUCATION (THE) WORLD UNIVERSITY RANKINGS 2023

MM (DU) has been placed in the Rank Band 601-800 amongst the Top Universities of the World and in rank band 401-500 in the Clinical & Health Subject Rankings

TIMES HIGHER EDUCATION ASIA UNIVERSITY RANKINGS 2023

MM (DU) has been placed in the Rank Band 201-250 amongst the Top Universities of the Asia

TIMES HIGHER EDUCATION YOUNG UNIVERSITY RANKINGS 2023

MM (DU) has been placed in Rank Band 201-250 Globally, among all the Universities of the World that are less than 50 years old (created after the year 1973)

TIMES HIGHER EDUCATION IMPACT RANKINGS 2023

World Wide Rank band of 401-600 in Sustainable Development Goals (SDG) -3, for Good Health and Well-being

World Wide Rank band of 401-600 in Sustainable Development Goals (SDG) -9, for Industry, Innovation and Infrastructure

QS I-GAUGE UNIVERSITY RATING 2023

MM(DU) has achieved Overall Platinum Rating

Platinum Rating in Employability, Social Responsibility and Governance & Structure

QS ASIA UNIVERSITY RANKINGS 2023

Ranked at 174th place in the Southern Asia region

QS UNIVERSITY RANKINGS 2024

Ranked 258 in Asian University Rankings - Southern Asia

Ranked 801 in Asian University Rankings

QS REGIONAL RANKINGS 2022

QS World University Ranking put MM(DU) in 551-600 Rank band in Asia

NABH ACCREDITATION

NABH Accreditation for all Speciality and Superspeciality services in MMIMSR

NABL ACCREDITATION

Molecular Biology Lab of M.M. Institute of Medical Sciences and Research is Accredited by NABL

CAREER 360 RANKING 2023

Ranked AAAA+ amongst Top Engineering Colleges in India

OUTLOOK RANKINGS 2023

- Ranked 19th in Medical amongst Top Private Institutions in India
- Ranked 20th in Dental amongst Top Private Institutions in India
- Ranked 22nd in Law amongst Top Private Institutions in India
- Ranked 79th in BCA amongst Top Private Institutions in India
- Ranked 83th in Engineering amongst Top Private Institutions in India
- Ranked 89th in BBA amongst Top Private Institutions in India.
- Ranked 139th in Commerce (North Zone) amongst Top Private Institutions in India

COMPETITION SUCCESS REVIEW 2023

Ranked 12th amongst Top B-Schools of Eminence

LIBRARY

The university library stands as a vital nexus of academic excellence, offering an indispensable array of resources for students, researchers, and faculty. Beyond its walls of books, it serves as an intellectual hub, providing access to scholarly journals, digital databases, and multimedia resources, fostering a dynamic learning environment. In the quiet hum of study spaces, it becomes a sanctuary for focused research and contemplation. The library, with its dedicated staff and curated collections, plays a pivotal role in shaping minds, supporting academic endeavours, and promoting the free exchange of ideas. It stands as a cornerstone in the pursuit of knowledge within the university community. MM(DU) ensures to provide its students, faculty and staff a wide range of materials to explore and learn from.



INDIA'S LARGEST CLINICAL ADVANCED SKILL & SIMULATION CENTRE

Spread in an area of 15000 Sq. Ft., this state-of-the-art Clinical Advanced Skill and Simulation Centre has been set up to train Undergraduate and Post graduate Medical, Nursing and Paramedical students and faculty. Maharishi Markandeshwar (Deemed to be University) has spent nearly Rs. 200 Million to develop this centre as one of the largest & most comprehensive Medical Skill & Simulation facilities.

The idea is to provide real-time experience to students and train them in the skills for handling complex case scenario before actually carrying out the same on the patients. For this, the Skill and Simulation facility has Adult Patient Simulator, Paediatrics and Neonatal Simulator, Infant and Child mannequins in virtual Intensive Care Units (ICU), Paediatric-ICU and Operation Theatre modules.

The Centre also has facilities for advanced training in Laparoscopy, Arthroscopy, Endoscopy, Colonoscopy, Bronchoscopy, Urological procedures, Angiography and Gynaecological Procedures and Ultrasound imaging with the help of most advanced Simulation Trainers.



PROFESSIONAL DEVELOPMENT PROGRAMMES ORGANISED

Professional development courses are pivotal for both teaching and non-teaching staff in colleges, cultivating a culture of continuous learning and growth. For educators, these courses refine pedagogical skills, introduce innovative teaching methods, and keep them abreast of evolving educational trends. Non-teaching staff benefits from training in organizational efficiency, technology, and interpersonal skills, enhancing their contribution to the campus community. The result is a cohesive and skilled workforce, better equipped to navigate the complexities of higher education. Professional development fosters a dynamic and forward-thinking collegiate environment, positively impacting student experiences and institutional success.. With an aim to achieve these objectives, various Institutes of MM(DU) organise various activities like FDPs, Short Training Programs, Expert Talks etc. In the academic year 22-23 nearly 216 professional development programs have been successfully organised by MM(DU)



Seminar organized by Department of Public Health Dentistry M.M. College of Dental Sciences & Research Mullana-Ambala in association with IQAC MM(DU) and in collaboration with Bureau of Indian Standards, Haryana Branch Office, Chandigarh.



Awareness campaign conducted by students of B.Sc Nursing 3rd year on substance abuse.



Cyber Awareness Campaign conducted by the NSS Volunteers of MMICT&BM in association with Women Cell (MMICT&BM), MM(DU), Mullana



Webinar on Career Opportunities Abroad in Field of Nursing organized by M. M. College of Nursing, MM (DU)

PASS PERCENTAGE OF STUDENTS

College/Institute	Pass %age
M.M. Engineering College	85.27
M.M. Institute of Computer Technology & Business Management	88.10
M.M. Institute of Management	80.17
M.M. Institute of Computer Technology & Business Management(Hotel Manangement)	86.03
Department of Law	83.70
M.M. College of Pharmacy	96.84
M.M. College of Physiotherapy & Rehabilitation	92.90
M.M. Institute of Medical Sciences & Research	93.40
M.M. College of Dental Sciences & Research	84.29
M.M. Institute of Nursing	100
M.M. College of Nursing	99.09
Department of Agriculture	91.82



PH.D AWARDED

MM (DU) offers Ph.D programs in different disciplines. Faculty from Medicine, Pharmacy, Dental, Nursing, Engineering, Computer Application, Management, Applied Sciences and Humanities supervise research scholars and provide best guidance to them. MM(DU) strictly follows the norms of UGC and give new dimensions to modern research. The faculty wise number of scholars who completed their degrees during 2022-23 is as under:

Student Name	Department	Guide Name	Topic
Deepa Sharma	Management	Prof. Sultan Singh	A Study about the Gender Discrimination at Workplace in Government Universities of Haryana
Shobha Soni	Biotechnology	Dr. Nirmla Sehrawat	Physiological and Proteomics studies in wheat for salt tolerance
Navneet Kaur	Chemistry	Dr. Nivedita Agnihotri	Studies in Spectrophotometric Methods of Microdetermination of Tungsten(VI) and Palladium(II)
Rekha	Computer Science & Applications	Dr. Rajeev Gupta	Design a Secure and Enhanced Technique for Image Transmission in Cluster-Based Wireless sensor Network
Charu Sharma	Computer Sc. & Engg.	Dr. Rohit Vaid	A Trust based Secure Framework for Energy Aware Wireless Sensor Networks
Shivangi Katiyar	Deptt. of Information Technology	Dr. Rohit Vaid	Energy Efficient Data Processing with Mobile Elements in Wireless Sensor Networks
Vinod Kumar Saroha	Computer Sc. & Engg.	Dr. Sanjeev Rana	Towards Enhancement of Energy Efficient Multi Layer Job Scheduling Approach over a Cloud Network
Jyoti	Computer Science & Applications	Dr. Munishwar Rai	A secure framework for semi-distributed load balancing in Cloud based environment
Deepak Vats	Computer Sc. & Engg.	Dr. Avinash Sharma	Personalized Recommendation System Based on Semantic Web Mining
Jai Bharti Sharma	Pharmaceutical Sciences	Dr. Shailendra Bhatt	Formulation and Characterization Of Solid Lipid Nanoparticles of Some Drugs for the Management of Diabetes Mellitus
Renu Bala	Chemistry	Dr. Bhawna Pareek	Innovative Synthetic Methods of Metal Oxide Nanoparticles, their Characterization and Applications
Rajani Saini	Mathematics	Dr. Vishal Gupta	Some results on fixed points and their applications
Vaibhav Verma	Hotel Management	Dr. Sheetal Thakur	Adoption of Technological amenities and its impact on hotel performance with reference to Himachal Pradesh
Poojadeep Sehgal	Mathematics	Dr. Deepak Gupta	Effect of Breakdown interval in Sequencing Models

PH.D AWARDED

Student Name	Department	Guide Name	Topic
Ramandeep Kaur	Computer Science & Applications	Dr. Sumit Mittal	Design a Reliable Mobility Management Framework for IoT Environment
Gayatri Kumari	English	Dr. Jyoti Syal	Voicing female Solidarity in the Context of Racial and Gender Discrimination: A Study of Selected Novels of Alice Walker
Richa Goel	Mathematics	Dr. Deepak Gupta	No Idle Scheduling On Flow Shop Models
Anju Bala	Physics	Dr. Rajeev Sehrawat	To Study the Optical and Morphological Properties of Organically Functionalized and Doped ZnS Quantum Dots
Gaurav Kumar	Mechanical Engg.	Dr. N.K. Batra	Comprehensive planning and control of Reconfigurable Manufacturing System
Gunia Beniwal	English	Dr. Sharanpal Singh	The Concept of Self and Society: A Study of Praver Jhabvala and Bapsi Sidhwa Selected Novels of Ruth
Manish Verma	Hotel Management	Dr. Monika	A Critical Analysis of Revenue Management Practices Adopted by Front Office in Selected Hotels of Tricity
Gifty Garg	Computer Sc. & Engg.	Dr. Neeraj Mangla	Trust Based Dynamic Resource Scheduling in Cloud Computing Environment
Pooja Gupta	Management	Dr. Rahul Hakhu	An Analysis of Customer Perception towards Cashless Transactions with Special Reference to Haryana
Vencita Priyanka Aranha	Physiotherapy	Dr. Aksh Chahal	Multi-Modal Stimulations On Neuromotor Responses Among The Hospitalised Preterm Infants
Komal Madan	Management	Dr. Priyanka Ranga	Development of a Model for Talent Management for Teachers in Private Self-Financing Universities of Haryana
Renu Gupta	Mathematics	Dr. Deepak Gupta	Queue Network Models And Their Applications
Babita	Biotechnology	Dr. Sushil Kumar Upadhyay	Morphotaxonomy and population dynamics of parasitic helminthes in aquatic vertebrates of Yamuna river, Yamuna Nagar, Haryana
Sumit Kumar Rana	Computer Sc. & Engg.	Dr. Sanjeev Kumar Rana	Decentralized Access Control Mechanism for Digital Asset Management to Transform Business Models
Rakhi Gupta	Mathematics	Dr. Satish Kumar	Parametric Generalization Of Shannon Entropy with Their applications
Akansha Tyagi	Computer Sc. & Engg.	Dr. Sandhya Rani	An Efficient System for Vision-Based Recognition of Indian Sign Language Using Soft Computing Techniques

PH.D AWARDED

Student Name	Department	Guide Name	Topic
Sanjana	Pharmaceutical Sciences	Dr. Parminder Nain	Impact of Empagliflozin on Bone Mineral Density and Bone Biomarkers in Patients with Type 2 Diabetes Mellitus
Gurpreet Kaur	Biotechnology	Dr. Nirmla Sehrawat	Effect of salinity on growth, nodule efficiency and protein profiling in chickpea (<i>Cicer arietinum</i> L.)
Vimal Gaur	Computer Sc. & Engg.	Dr. Rajneesh Kumar	Detection of DDoS Attacks on IoT Devices using Machine Learning Techniques
Rippin	Biotechnology	Dr. Anil Kumar Sharma	Tannase mediated production of gallic acid derivatives from food tannins and its applications
Chetna Dhonchak	Chemistry	Dr. Nivedita Agnihotri	Methods of Spectrophotometric Determination of Zirconium (IV) and Niobium (V)
Rattan Deep Aneja	Computer Sc. & Engg.	Dr. Amit Kumar Bindal	Soft Computing Based Efficient Routing Approaches in Wireless Mesh Networks
Rohit Lamba	Electronics & Comm. Engg.	Dr. Tarun Gulati	An Intelligent System for Parkinsons Diagnosis Using Machine Learning
Arun Kumar	Electronics & Comm. Engg.	Dr. Sharad Sharma	Dynamic Security and Efficiency Enhancement for Internet of Things
Sourav Singla	Mathematics	Dr. Deepak Gupta	Minimization of make span in flow shop scheduling models
Anju Rani	Physics	Dr. Suresh Kumar	Synthesis, Characterization And Photocatalytic Application Of Doped Titanium Oxide Nanostructures
Satyavert	Pharmaceutical Sciences	Dr. Sumeet Gupta	Synthesis And Evaluation Of Curcumin Analogues In The Treatment Of Arthritis
Shally	Computer Science & Engg.	Dr. Suneet Kumar	A Robust and Secured Encryption Scheme for Big Data Security based on Hadoop Distributed File System
Sunit Kumar	Mathematics	Dr. Satish Kumar	Generalization Of Gini-simpson Index Of Diversity And Their Applications
Mohit Chhabra	Computer Science & Engg.	Dr. Rajneesh Kumar	Intelligent Health Care System based on Machine Learning Using Big Data
Mandeep Kaur	Management	Dr. Ranjeet Verma	Post Maternity Psychological Challenges faced by Working Women in Banking Sector of Haryana
Subhasish Chatterjee	Physiotherapy	Dr. Manu Goyal	Development, Validation And Reliability Testing Of Stroke Specific Shoulder Disability Index
Himani Aggarwal	English	Dr. Ritu Sharma	From Existential Strife to Healing of the Self: A Comparative Study of the Selected Novels of Arun Joshi and R.K. Narayan

PH.D AWARDED

Student Name	Department	Guide Name	Topic
Monika Pathak	Management	Dr. Sultan Singh	A Study on Digital Marketing and its Impact on Buying Behaviour Practices of Medical Professionals in the Selected Districts of Haryana
Khursheed Ahmad Dar	Computer Science & Applications	Dr. Sumit Mittal	A Framework To Enhance Qos For Visualization Of High Dynamic Range Imaging
Heena Sharma	Management	Dr. C.Venkateswaran	A Comparative Study of Employee Engagement Practices in Private Sugar Mills of Haryana and Uttar Pradesh
Deepshi Arora	Pharmaceutical Sciences	Dr. Manish Kumar	Formulation and evaluation of intranasal lipid particulate delivery system of some cerebroactive drugs
Tanu Bura	English	Dr. Ramandeep Mahal	Voicing Anger And Frustration: A Critique Of The Selected Fiction Of Angry Young Men
Abhay Bindle	Electronics & Comm. Engg.	Dr. Tarun Gulati	An Efficient Beamforming Technique for Future Mobile Wireless Communication Systems

RESEARCH PUBLICATIONS

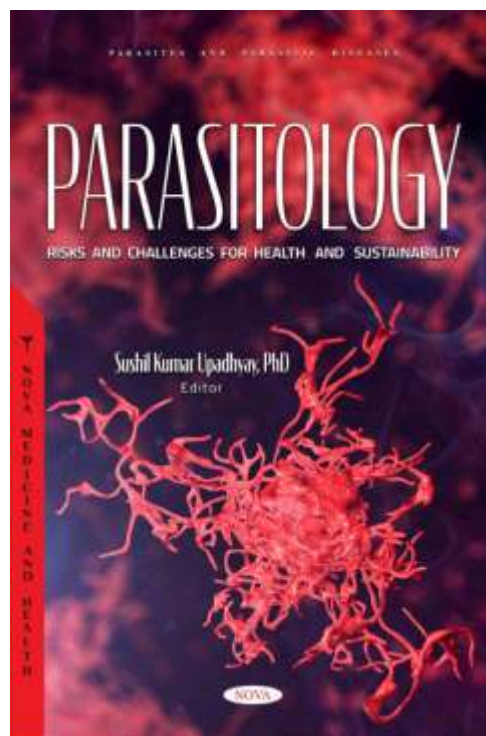
Research is the lifeblood of educational institutions, propelling both teacher excellence and overall university growth. For educators, engaging in research deepens subject expertise, informs innovative teaching methodologies, and fosters critical thinking among students. Actively contributing to scholarly pursuits enhances a teacher's credibility and inspires a culture of intellectual curiosity in the academic community. Concurrently, the university benefits from faculty research by advancing its

reputation, attracting top talent, and establishing itself as a hub for knowledge creation. Research-driven universities are more likely to secure funding, partnerships, and global recognition, propelling sustained growth and ensuring a vibrant, cutting-edge learning environment.

MM(DU) inclination strongly leans towards research and development of innovative technologies. We are known for our strategic, multi disciplinary research activities in the field of Engineering, Computer Applications, Management, Medical, Pharmacy, Bio-Technology and Dentistry. We have firmly established ourselves in the frontiers of research. MM(DU) nurtures various research activities that offer a plethora of opportunities for research funding in vibrant multidisciplinary environment. In the Calendar years 2022 and 2023, the numbers of research papers, citations, i-10 index and h-index in Scopus, WoS & PubMed indexed Journals/Conferences are shown in the table.

Category	2022-23
Publication in Scopus/Wos/Pubmed	877
i-10 Index (Scopus)	125
i-10 Index (WOS)	53
h-Index (Scopus)	70
h-Index (WOS)	60
Citations (Scopus)	3948
Citations (WoS)	1667

MM (DU) provides the state-of-the-art infrastructure and technological inputs to the researchers, staff and students to expand their boundaries of knowledge. More than 303 books and book chapters were published by the faculty members in the year 2022-23.



RESEARCH & DEVELOPMENT

Universities engage in R&D with the primary objectives of expanding knowledge, solving complex problems, and fostering innovation.

About 418 teachers have been awarded financial support for advanced studies/collaborative research, participation in Indian and Overseas Institutions during the year. 326 teachers were provided with financial support to attend conferences/workshops and towards membership for professional bodies. 502 faculty members have undergone Faculty Development Programmes (FDP) including online programmes (Orientation/induction Programmes, Refresher Courses, Short Term Courses etc.) during the academic year. There are more than 100 functional MoUs for faculty exchange, student exchange, academics, Clinical training, internship, on-the-job training, project work & collaboration research.

AWARDS & RECOGNITIONS

146 awards have been received by faculty for excellence in teaching, student mentoring, professional achievements and academic leadership at State, National & International levels from various Government/Government-recognized agencies. The prominent awards received by the faculty members include Lifetime Education Achievements Awards, Bharat Vibhushan Award etc.

STUDENT PROGRESSION

231 Students qualified in State/National/International level examinations (NET/GATE/GPAT/GRE/TPEFL/PLAB/USMLE/Civil Services/Defence/UPSC/State Government examination etc.) during the academic year 2022-23.



One day seminar organized by M.M.College of Dental Sciences & Research Mullana in association with IQAC and in collaboration with Bureau of Indian Standards Haryana Branch Office, Chandigarh



A ten days research methodology workshop was organized on "Research methodology course in social sciences" at MMIM

CONSULTANCY AND RESEARCH PROJECTS

Consultancy services supported by MM(DU) are an effective means of sharing and applying our wealth of expertise in different areas which have been accumulated by MM(DU) faculty and technical staff over a long period of its establishment. MM(DU) encourages faculty, technicians and students to interact with industry in all possible ways with the spirit to derive mutual benefits. The details of Consultancy during the year 2022-23 are given below:

College / Institute	Consultancy	Amount (INR)
MMCP	11	8787476
MMEC	79	1147948
MMIM	1	295000
Law	1	118000
Total		10348424

Research and Development is considered as one of the most essential activity in University leading to creation and dissemination of knowledge. The faculty members of MM(DU) regularly submit research projects for award of grants from external agencies such as DST, DBT, SERB, CSIR, etc. The details of granted projects during the year 2021-22 are given below:

College / Institute	Number of Projects	Amount (in lakhs)
MMEC	4	590000
MMCD SR	1	460200
MMCP	7	8557300
MMIM	2	1180000
LAW	1	472000
MMIMSR	3	8850000

PATENT AND COPYRIGHT

Intellectual property rights, including patents and copyrights, are applicable to inventions and creative works produced within universities.

Taking a step ahead in the field of research, faculty members are engaged in achieving a landmark by getting copyrights and patents. The following is the list of Patents/Copyrights awarded during 2022-23 :

No. of Patents Awarded	59
No. of Patents Published	157
No. of Copyrights Awarded	17

INTERNATIONALIZATION

MM(DU) has signed MoU with 60+ reputed Universities/ Institutions from different countries. Inbound & Outbound student exchange activities have been carried out with following foreign higher education institutions: University of North Alabama USA, Daffodil International University Dhaka, Alicante University Spain, VID University Oslo Norway, Lovisenberg Diaconal University College Norway, University of Kwa-Zulu Natal South Africa, Pokhara University Pokhara Nepal, Airlanga University Indonesia, TEC Denmark etc





VASU VATS

Member of India Under-19 Cricket World Cup - 2022 Winning Team (Alumnus of MM Group)

The students of MM(DU) not only participate enthusiastically in cultural and sports activities but also bring laurels for the institution. In 2022-23, students of all the institutions participated in State as well National level programs and won 23 awards. Out of them, 18 were received for cultural and 5 for Sports by students.

Number of activities organized at University level	Number of activities organized at National/State level
71	3



VANSHAJ CHAUHAN

Part of MM Family Won Gold Medal in Youth World Boxing Championship Spain



HERINIAVO RASOLONJATOVO

Student of MM College of Pharmacy Participated in Tokyo Olympics 2020 Representing the Swimming Team of Madagascar



- | | |
|---------------|-----------------------|
| Cricket | Swimming |
| Football | Standard Track (400m) |
| Handball | Table Tennis |
| Volleyball | Squash |
| Lawn Tennis | Gym |
| Kabaddi | Pool |
| Basket Ball | Adventure Sports |
| Kho Kho | Trekking & Camping |
| Roller Sports | Yoga & Meditation |
| Badminton | and more... |



CULTURAL EVENTS

Year	Number of Awards in Cultural Activities
2022-23	18



Cultural and sports events are indispensable for fostering a vibrant and holistic university experience. Beyond academic pursuits, these activities cultivate a sense of community, breaking down barriers between students and teachers. Cultural events celebrate diversity, nurturing understanding and mutual respect among a diverse student body and faculty. Sports events, on the other hand, promote physical well-being, teamwork, and leadership skills. Participation in both cultural and sports activities enriches the overall university environment, creating a platform for social interaction, talent expression, and personal growth. Together, they contribute to a well-rounded education, forging lasting connections and enhancing the collective spirit of the university community.

Sports events, showcase athletic prowess and competitive spirit. From local tournaments to international championships, sports events bring athletes and fans together, creating an atmosphere of excitement and camaraderie. These events not only highlight physical abilities but also demonstrate the values of teamwork, discipline, and perseverance.

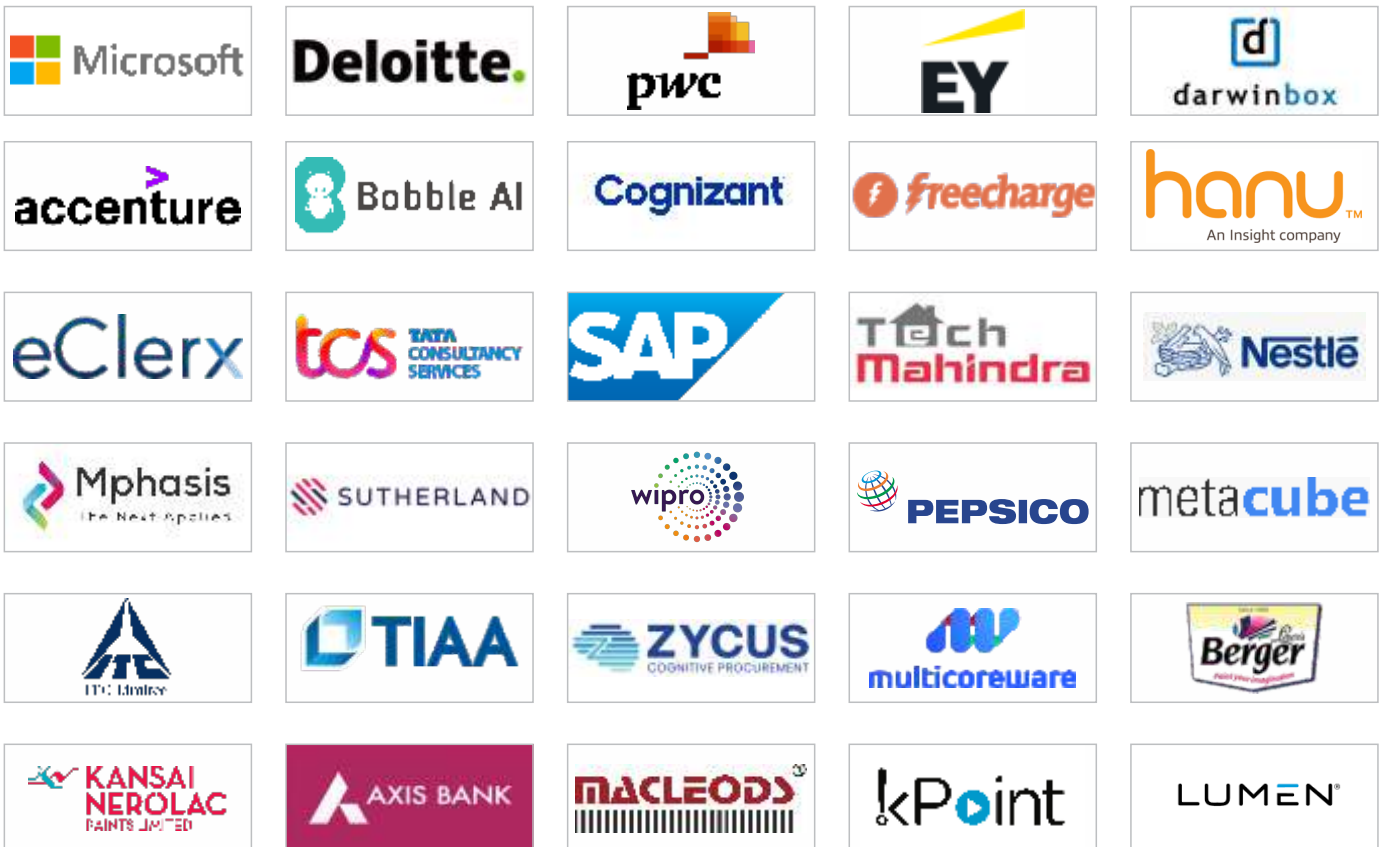
MM(DU), one of the leading universities of North India has always set an example for other academic institutions to follow, whether it is academic field or extra curricular activities.



PLACEMENTS

Name of College	Number of students placed
M.M. Engineering College	408
M.M. Institute of Computer Technology & Business Management	76
M.M. Institute of Management	166
M.M. Institute of Computer Technology & Business Management (Hotel Mgt.)	84
M.M. College of Nursing	101
M.M. College of Pharmacy	109
M.M. Institute of Physiotherapy & Rehabilitation	68
M.M. Institute of Medical Sciences & Research	320
M.M. College of Dental Science & Research	135
MM Department of Agriculture	72
Department of Law	48

231 students opted for Higher Studies



PLACEMENTS



ALUMNI MEET

MM(DU) runs a separate Cell to co-ordinate with its passed-out students and organizes on-campus as well as off-campus "Alumni Meets" on a regular basis. The alumni, students, employers, and MM(DU) together are committed to build mutually beneficial and enduring relationships and serve the society in every way possible. Cultural activities and fun games are also conducted for the enjoyment and involvement of Alumni.

GLIMPSES OF ALUMNI MEET



INDUSTRIAL VISITS



**Industrial Visit to ITC Limited, Baddi, Himachal Pradesh
by MM Institute of Management**



**Industry visit to ThinkNext Technologies, Mohali
organized by MMICT&BM (MCA)**



**Visit to Institute of Mental Health and Hospital, Agra
organized by M.M. College of Nursing, Mullana**



**Industrial Visit to Polyplastics Ltd, Yamunanagar
by MM Institute of Management**



**Visit to Primary Health Centre, Ugala
organized by M.M. College of Nursing**

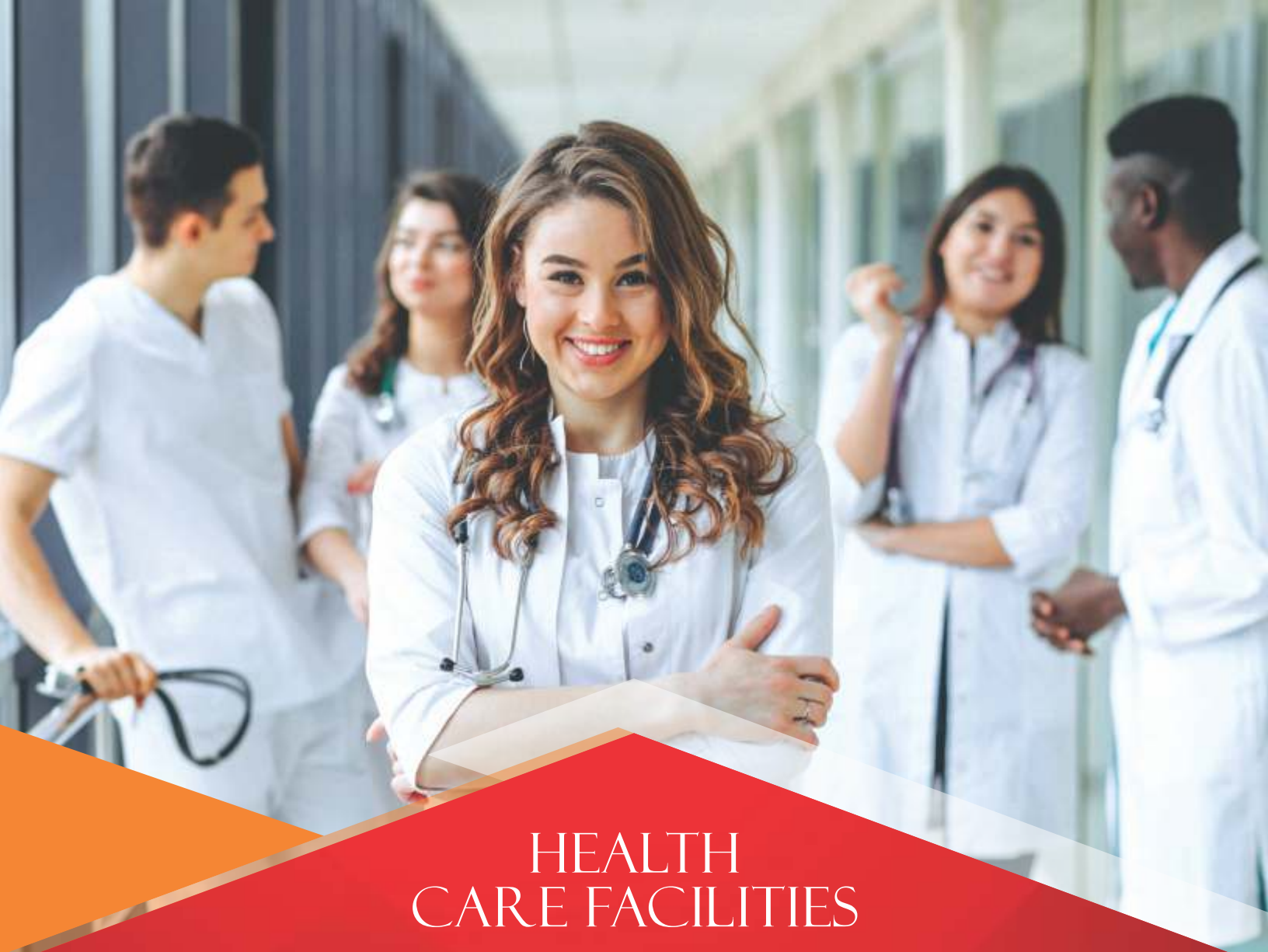


**Visit to Indira Chakarwati Kusht Ashram, Ambala
organized by M.M. College of Nursing**

NSS ACTIVITIES

NSS unit of Maharishi Markandeshwar (Deemed to be University), Mullana organized the National Integration Camp from 22nd March 2022 to 28th March 2022. This was a 7 Days & Night Camp based on the theme of "ATMANIRBHAR BHARAT" in which 176 volunteers from eight states, i.e. Haryana, Karnataka, Telangana, Andhra Pradesh, Delhi, Jammu & Kashmir, Punjab and Chandigarh along with 11 Programme officers across the country participated. This camp taught the youths of the country about discipline, leadership of peers, helping without any selfishness, improving one's image and living together etc. Many programs were held in this camp like - Shramdaan (Donation of your hard work) in which the participants cleaned Ambala Cantt (Bus Stand), Ambala Cantt railway station as well as statue of Maharaja Agrasen ji at Maharaja Agrasen Chowk-Ambala City, which brought equality, fraternity and liberty amongst themselves. Activities like Haryana Darshan took place, in which participants got to know about the history and living habits of our state, tableau of Best out of waste, Cultural rally were held through which participants represented their state, that acknowledged the people about their states like their history, living habits, clothes etc. At the end of the camp, all the participants were honoured with certificates and mementos of the National Integration Camp.





HEALTH CARE FACILITIES

MM (DU) has 940 bedded state -of -the- art multi specialty and 200 bedded Super- Specialty Hospital, a Dental College with dental hospital equipped with state -of -the- art facilities, two nursing colleges, one pharmacy college and one physiotherapy college. The teaching hospital of MM Institute of Medical Sciences & Research has been granted NABH Accreditation since September,2019. MM (DU) is actively engaged in providing comprehensive health care services to local population in terms of promotive, preventive, curative and rehabilitative measures.

All Speciality and super specialty departments are well equipped to provide quality healthcare to patients. The Hospital has most modern Modular Operation Theatres, Intensive Care Complex and general wards. The operation theatres and Intensive care areas are equipped with latest life-saving equipment's like Ventilators, Infusion Pumps, Multipara monitors. There is also paperless e-ICU system functional on 100 ICU and Emergency Beds. Labour room, NICU and PICU are available to provide most advanced Maternal and Child Healthcare services.

The teaching hospital has highly advanced state of the art equipment's like Versa HD Linear Accelerator and CT simulator for Radiotherapy(Only Medical College In Haryana to have Linear Accelerator Facility), Azurion (Philips) Cath Lab with Integrated IVUS and FFR for flow management and Intellispace Critical Care and Anesthesia System(ICCA) for e-ICU , two MRI, 128 slice and 16 slice C.T.Scan, Ultrasounds, 24 hrs Blood Bank services, Dialysis, 24 hrs Emergency Service and ICU facilities which help in providing the latest and the best hands on experience to the students. The hospital has all super specialty departments with super specialty facilities in Urology, Cardiology, Gastroenterology, Neurosurgery,Pediatric Surgery, Nephrology, Plastic Surgery, Cardiothoracic and vascular Surgery. MMIMSR is the only private Medical college in Haryana to have D.M/ M.Ch courses.

LOCATION GUIDE



MAHARISHI MARKANDESHWAR (Deemed to be University) MULLANA, AMBALA

HOW TO REACH:

85 KM - From Chandigarh Airport
200 KM - From New Delhi Airport.



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

(Established under Section 3 of UGC Act, 1956)
(Accredited by NAAC with Grade 'A++')

NH - 73, Ambala - Jagadhri Highway, Mullana - Ambala, Haryana

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