



**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 – 2023 –





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UGC ACT, 1956

# 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 – Sh. Tarsem Kumar Garg who spearheaded the education revolution through MM Institutes. It has been an evolving journey for him in last 25 years as he played a key role in enabling the students from small towns script big success stories.

He aspired to empower the students hailing from North India 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 3 decades, 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 BOARD OF MANAGEMENT

Sr. No	Name of Members
1.	<b>Dr. Harish Kumar Sharma</b> Vice - Chancellor
2.	<b>Dr. Vishal Garg</b> 45, Model Town, Ambala City
3.	<b>Dr. Meenakshi Garg</b> 55, Model Town, Ambala City
4.	<b>Dr. M.L. Ranga</b> (Former Vice- Chancellor, KUK) Kothi No. 841/5, Urban Estate, Kurukshetra
5.	<b>Dr. S. D. Sharma</b> (Former Vice-Chancellor, HPU, Shimla) 74/7, Urban Estate, Karnal
6.	<b>Dr. L. C. Gupta</b> H.No. E-45, University Campus, Kurukshetra
7.	<b>Sh. Rohit Goel</b> Chartered Accountant #179, Bank Road, Ambala Cantt
8.	<b>Dr. Anil Jain</b> President, Vaiseshika Electronic Devices, 38, Industrial Estate, Across Tangri River Bridge, Ambala Cantt
9.	<b>Dr. Bindu Jindal</b> Dean, Faculty of Law
10.	<b>Dr. Sunayana</b> Dean, Faculty of Management
11.	<b>Dr. B. K. Aggarwal</b> MM Institute of Medical Sciences & Research
12.	<b>Dr. Dhanesh Garh</b> MM College of Nursing
13.	<b>Prof. Rajinder Kumar</b> Registrar

## MEMBERS OF THE PLANNING & MONITORING BOARD

Sr. No	Name of Members
1.	<b>Dr. Harish Kumar Sharma</b> Vice-Chancellor
2.	<b>Dr. M. L. Ranga</b> (Former Vice-Chancellor of KUK and GJUST, Hisar) K. No. 841, Sector 5, Urban Estate, Kurukshetra
3.	<b>Dr. L. C. Gupta</b> (Former member, Distance Education Council) H.No. E-45, KU Campus, Kurukshetra
4.	<b>Dr. Anil Jain</b> President, Vaiseshika Electron Devices, 38, Industrial Estate, Across Tangri River Bridge, Ambala Cantt.
5.	<b>Dr. B. K. Aggarwal</b> Dean, Faculty of Medical Sciences
6.	<b>Dr. G. M. Sogi</b> Dean, Faculty of Dental Sciences
7.	<b>Dr. Sumeet Gupta</b> Dean, Faculty of Pharmaceutical Sciences
8.	<b>Dr.(Mrs.) Jyoti Sarin</b> Dean, Faculty of Nursing
9.	<b>Dr. Ashok Kumar</b> Dean, Faculty of Engg. & Tech.
10.	<b>Dr. Virender Singh Pahil</b> Dean, Faculty of Agriculture
11.	<b>Dr. (Mrs.) Bindu Jindal</b> Dean, Faculty of Law
12.	<b>Prof. Rajinder Kumar</b> 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

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



## Deans of the Faculties

NAME	DESIGNATION
Dr. B.K. Aggarwal	Dean, Medical Sciences
Dr. GM Sogi	Dean, Dental Sciences
Dr. (Mrs.) Jyoti Sarin	Dean, Nursing
Dr. Sunayana	Dean, Management
Dr. (Mrs.) Bindu Jindal	Dean, Law
Dr. Ashok Kumar	Dean, Management
Dr. Sumeet Gupta	Dean, Pharmaceutical Sciences
Dr. Virender Pahil	Dean, Agriculture

## Heads of Departments/Institutions (other than Deans)

Sr. No.	Name of Teacher	Department	Designation	Name of College /Institution
1.	Dr. Manu Goyal	Physiotherapy	Principal	MMIP&R
2.	Dr. Kirandeep Kaur	Nursing	Principal	MMIN
3.	Ms Rekha Kaushik	Hotel Mgt.	Principal Offg.	MMICT&BM (Hotel Mgt.)
4.	Dr. Sandeep Goyal	Comp. Sc. & Engg.	HOD	MMEC
5.	Dr. Vanita Aggarwal	Civil Engg.	HOD	-do-
6.	Dr. Sharad Sharma	ECE	HOD	-do-
7.	Dr. N.K. Batra	Mechanical Engg.	HOD	-do-
8.	Dr. Deepak Gupta	Maths & Hum.	HOD	-do-
9.	Dr. Bhawna Pareek	Chemistry	HOD	-do-
10.	Dr. Vandana Sharma	Physics	HOD	-do-
11.	Dr. Anil Sharma	Biotechnology	HOD	-do-
12.	Dr. Tarun Gulati	Electrical Engg	HOD	-do-
13.	Dr. Atul Sharma	Oral Maxill. Surgery	HOD	MMCD&R
14.	Dr. Sandeep Garg	Prosthodontics	HOD	-do-

Sr. No.	Name of Teacher	Department	Designation	Name of College /Institution
15.	Dr. Sushruth Nayak	Oral Pathology	HOD	-do-
16.	Dr. H.P. Suma Sogi	Pedodontics	HOD	-do-
17.	Dr. S.K, Sachdeva	Periodontics	HOD	-do-
18.	Dr. Amit Aggarwal	Oral Med. & R	HOD	-do-
19.	Dr. Deepankar Bhatnagar	Orthodontics	HOD	-do-
20.	Dr. G.M. Sogi	PCD	HOD	-do-
21.	Dr. Navneet Kukreja	Cons. Dentistry	HOD	-do-
22.	Dr. Narinder Kaur	Microbiology	HOD	MMIMS&R
23.	Dr. Harbir Kaur Rao	Gen. Medicine	HOD	-do-
24.	Dr. Amit Mittal	Radio Diagnosis & Imaging	HOD	-do-
25.	Dr. A.K. Bhardwaj	Paediatrics	HOD	-do-
26.	Dr. Manjeet Singh	Orthopedics	HOD	-do-
27.	Dr. Anshu Mittal	PSM/Commu. Med	HOD	-do-
28.	Dr. Prem Parkash Khosla	Pharmacology	HOD	-do-
29.	Dr. Ram Nandan Prasad	Anaesthesia	HOD	-do-
30.	Dr. KK Agarwal	Forensic Med.	HOD	-do-
31.	Dr. Jai Kishan	TB & Chest/ Resp. Med.	HOD	-do-
32.	Dr. Amit Chopra	Ophthalmology	HOD	-do-
33.	Dr. Sanjeev Gupta	Skin / DVL	HOD	-do-
34.	Dr. Manish Bathla	Psychiatry	HOD	-do-
35.	Dr. (Ms.) Suvarna Prasad	Biochemistry	HOD	-do-
36.	Dr. Gurudev Lal Goyal	Physiology	HOD	-do-
37.	Dr. Vijay Shrawan Nijhawan	Pathology	HOD	-do-
38.	Dr. Pramod Kumar Bhatia	Gen. Surgery	HOD	-do-
39.	Dr. Anjana Mittal	Anatomy	HOD	-do-
40.	Dr. Ruby Bhatia	Obs. & Gyn.	HOD	-do-
41.	Dr. Ginni Datta	ENT	HOD	-do-
42.	Dr. G.S. Bindra	Neuro Surgery	HOD	-do-
43.	Dr. Babu Ram Thapa	Gastroenterology	HOD	-do-

Sr. No.	Name of Teacher	Department	Designation	Name of College /Institution
44.	Dr. Anup Kumar Mandal	Urology	HOD	-do-
45.	Dr. Rajeev Kumar Seam	Radiotherapy	HOD	-do-
46	Dr. Rajeev Bhardwaj	Cardiology	HOD	-do-

## Ten Professors

Sr. No.	Name of Teacher	Department	Designation
1.	Dr. Praveen Kumar Gupta	Chemistry	MMEC
2.	Dr. Satish Kumar	Mathematics	MMEC
3.	Dr. Atul Sharma	Oral Surgery	MMCDS&R
4.	Dr. Chanjyot Singh Walia	Orthodontics	MMCDS&R
5.	Dr. Mansi Jain	Pedodontics	MMCDS&R
6.	Dr. Mukti Sharma	Paediatrics	MMIMSR
7.	Dr. Subhash Chawla	General Surgery	MMIMSR
8.	Dr. Mini Bhatnagar Sood	General Medicine	MMIMSR
9.	Dr. Dinesh Kumar Mehta	Pharmacy	MMCP
10.	Dr. Kanika	Nursing	MMCN

## Two Associate Professors/Readers (Other than HODs)

Sr. No.	Name of Teacher	Department	Designation
1.	Dr. Mohit Singla	General Medicine	MMIMSR
2..	Dr. Meenu Gupta	Management	MMIN

## Two Assistant Professors/Lecturers

Sr. No.	Name of Teacher	Department	Designation
1.	Mr. Gaurav Sharma	Electrical Engineering	MMEC
2.	Dr. Tulshi Chakraborty	Pharmacy	MMCP

Sr. No.	Name of Teacher	Designation
1.	Dr. Raman Gupta	Controller of Examination
2.	Prof. Rajinder Kumar	Registrar

# ACCREDITATIONS & RANKINGS

ACCREDITED BY

**NAAC 'A++'**  
WITH ITS HIGHEST GRADE

PROUD TO BE A PART OF **TOP 3%**  
INSTITUTIONS OF INDIA

## NIRF 2022, Ministry of Education, Govt. of India

Ranked **91<sup>st</sup>** Amongst  
Top Universities  
in India

Ranked **32<sup>nd</sup>** Amongst  
Top Medical Colleges  
in India

Ranked **24<sup>th</sup>** Amongst  
Top Pharmacy Colleges  
in India

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

**THE World University Rankings 2023**  
**TIMES HIGHER EDUCATION**

World University Rankings 2023  
**WORLD WIDE RANK BAND**  
**601-800**  
Amongst the  
Top Universities of the World

World University Rankings by Subject 2023  
**WORLD WIDE RANK BAND**  
**401-500**  
in Clinical & Health

### QS REGIONAL RANKINGS 2022

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

### NIRF RANKINGS 2021

Pharmacy College ranked at 34<sup>th</sup> place in India, Medical College ranked at 35<sup>th</sup> in India and Dental College ranked at 34<sup>th</sup> in India

### NIRF RANKINGS 2020

MM (DU) ranked at 93<sup>rd</sup> place amongst All Universities in India, Pharmacy College ranked at 28<sup>th</sup> place in India, Medical College ranked at 33<sup>rd</sup> in India and Dental College ranked at 25<sup>th</sup> in India

MM(DU) had been ranked amongst the Best 200 Universities in India for Three Years in a row by NIRF Rankings 2017, 2018 and 2019

### NBA ACCREDITATION

B Pharmacy program accredited by National Board of Accreditation

### 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

### INDIA TODAY RANKINGS 2022

- 1<sup>st</sup> Rank in BCA Colleges, 2<sup>nd</sup> Rank in Law Colleges, 3<sup>rd</sup> Rank in Hotel Management Colleges and B Com program, 4<sup>th</sup> Rank in Best Dental Colleges, 4<sup>th</sup> Rank in Best Colleges offering BBA program, 5<sup>th</sup> Rank in

- Best Engineering Colleges in Haryana.
- 6<sup>th</sup> Rank in Best Hotel Management Colleges in India under Personality and Leadership Development
- Ranked in Top 10 Private Dental Colleges of North India

### CSR-GHDC B-SCHOOLS SURVEY 2022

Ranked 1<sup>st</sup> amongst Top Management Institutes in India (under the category of outstanding B. School of Excellence in India)

### OUTLOOK RANKINGS 2022

Ranked 12<sup>th</sup> amongst top MBA colleges of North Zone and at 56<sup>th</sup> place in India

### OUTLOOK - I CARE RANKINGS 2022

Ranked 15<sup>th</sup> among the Top Deemed to be Universities of India

### CSR - GHRDC ENGINEERING COLLEGE SURVEY 2022

Ranked 18<sup>th</sup> amongst Top Engineering Colleges in India for Faculty, Research, Consultancy, EDP and other programs

### GREEN INSTITUTIONAL RANKINGS 2022

MM(DU) ranked 17<sup>th</sup> across India with a Diamond Band

### ATAL RANKING OF INSTITUTIONS ON INNOVATION ACHIEVEMENTS (ARIIA) 2021

MM(DU) gets listed in the Band-Excellent in ARIIA 2021

### COMPETITION SUCCESS REVIEW RANKINGS 2021

- M. M Institute of Management ranked 2<sup>nd</sup> amongst Outstanding B-School of Excellence

- Department of Law listed amongst Outstanding Law School of Excellence

### OUTLOOK RANKINGS 2021

- MM(DU) ranked 19<sup>th</sup> amongst Top Private Medical Universities of India
- MMICT & BM (HM) ranked 27<sup>th</sup> amongst top Hotel Management Institutes in India
- MMICT & BM (HM) ranked 15<sup>th</sup> amongst top private B-Schools in North Zone

### CSR-GHRDC SURVEY 2021

- Department of Law gets 1<sup>st</sup> rank in Haryana
- Ranked 2<sup>nd</sup> under the category of Top Engineering Colleges of Eminence in India
- Ranked 15<sup>th</sup> for Faculty, Research, Consultancy, EDP & Other Programmes, ranked 18<sup>th</sup> for Placement, UPS, Social responsibility, Networking & Industry Interface Category in Top 25 Engineering colleges in India

### THE WEEK RANKINGS 2021

Ranked 19<sup>th</sup> in North India among Top Private Engineering Colleges

### GHRDC HOTEL MANAGEMENT SURVEY 2021

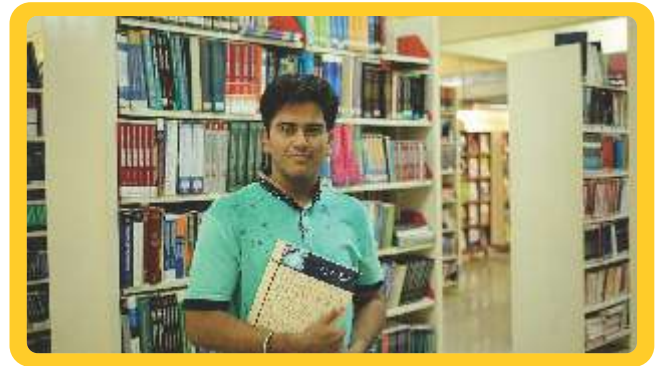
Ranked 1<sup>st</sup> in Haryana amongst top Private Hotel Management Institutes

### INDIA TODAY RANKING 2020

MM(DU) ranked among Top 25 Private Universities in India

# LIBRARY

A library is a repository of books, magazines, newspapers, and various printed materials. However, in today's digital age, libraries have evolved to embrace technology and provide access to electronic resources such as e-books, audiobooks, online databases, and digital archives. Integration of traditional and digital resources is a unique feature of the library at MMDU ensuring it's students, faculty and staff to have a wide range of materials to explore and learn from [5/20, 11:21] jyoti syal: A library is a repository of books, magazines, newspapers, and various printed materials. However, in today's digital age, libraries have evolved to embrace technology and provide access to electronic resources such as e-books, audiobooks, online databases, and digital archives.



## 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 programs play a crucial role in enhancing the professional growth of teaching as well as non teaching staff members. These initiatives provide opportunities to staff members to update their knowledge, acquire new skills, and stay abreast of the latest advancements in their respective fields. These initiatives cater to the evolving needs of educators, allowing them to adapt to changing educational trends and technologies. 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 21-22 nearly 285 professional development programs have been successfully organised by MM(DU)



**MMIMSR and M. M. College of Pharmacy in collaboration with MM(DU) organised a One day workshop on CME-cum-HANDS ON TRAINING FOR ANTIMICROBIAL STEWARDSHIP**



**M M College of Pharmacy conducted 5 days Faculty development program on "Life style modifications for stress-free life"**



**M.M. Institute of Physiotherapy and Rehabilitation in collaboration with Department of Respiratory Medicine, MMIMSR, organized a hands-on pre conference (76th NATCON) workshop on Pulmonary Rehabilitation.**



**Workshop organized by Nursing Department**

# PASS PERCENTAGE OF STUDENTS

College/Institute	Pass %age
M.M. Engineering College	88.19
M.M. Institute of Computer Technology & Business Management	88.40
M.M. Institute of Management	92.32
M.M. Institute of Computer Technology & Business Management(Hotel Manangement)	80.78
Department of Law	79.43
M.M. College of Pharmacy	85.19
M.M. College of Physiotherapy & Rehabilitation	84.78
M.M. Institute of Medical Sciences & Research	97.54
M.M. College of Dental Sciences & Research	93.52
M.M. Institute of Nursing and M.M. College of Nursing	90.34
Total	88.04



# 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 2020-21 is as under:

Student Name	Department	Guide Name	Topic
Poonam Rani	COMPUTER SCIENCE AND ENGINEERING	Dr. Avinash Sharma	DATA AGGREGATION WITH ENERGY EFFICIENCY AND SCALABLE ROUTING IN WIRELESS SENSOR NETWORK
Minakshi Sharma	COMPUTER SCIENCE AND ENGINEERING	Dr. Rajneesh Kumar	"QUALITY OF SERVICE ENABLED EFFICIENT LOAD BALANCING APPROACH FOR CLOUDCOMPUTING ENVIRONMENT"
Nidhi Punj	MANAGEMENT	Dr. Priyanka Ranga	EMOTIONAL INTELLIGENCE IN NURSES A COMPARATIVE STUDY OF GOVERNMENT AND PRIVATE HOSPITALS OF HARYANA
Asma Farooq Shah	PHARMACY	Dr. Randhir Singh	PHARMACOLOGICAL EVALUATION OF MURRAYA KOENIGII AND FICUS CARICA IN MANAGEMENT OF DIABETIC COMPLICATIONS DIABETIC NEPHROPATHY AND DIABETIC NEUROPATHY
Tulika Sharma	CHEMISTRY	Dr. Joginder Singh	SYNTHESIS AND CHARACTERIZATION OF SOME PYRAZOLE AND THIAZOLE DERIVATIVES
Naveen Malik	COMPUTER SCIENCE AND ENGINEERING	Dr. Sandip Kumar Goyal	INTEGRATED APPROACH FOR QUALITY ASSESSMENT IN SEMANTIC WEB APPLICATIONS
Ratika	MATHEMATICS	Dr. Satish Kumar	STUDY ON RENYIS TSALLIS ENTROPY IN INTUITIONISTIC FUZZY SYSTEM
Anu Dhupar	PHYSICS	Dr. J.K. Sharma	SYNTHESIS AND CHARACTERIZATION OF GROUP IIIA DOPED ZINC SULPHIDE NANOPARTICLES VIA COPRECIPITATION TECHNIQUE
Mani Goyal	COMPUTER SCIENCE AND ENGINEERING	Dr. Avinash Sharma	HIGH PERFORMANCE MOBILE CLOUD FRAMEWORK THROUGH OPTIMAL SUBDIVISION OF MOBILE SERVICES BY ACTIVE MONITORING
Manu Goyal	PHYSIOTHERAPY	Dr. Asir John Samuel	DIFFUSION TENSOR IMAGING VALUES IN POSTERIOR TIBIAL NERVE IN HEALTHY CONTROLS AND IN PATIENTS WITH DIABETIC PERIPHERAL NEUROPATHY PRE AND POST NERVE MOBILIZATION



# PH.D AWARDED

Student Name	Department	Guide Name	Topic
Indira Bhati	MANAGEMENT	Dr. Nippun Aggarwal	IMPACT OF BEHAVIOURAL FACTORS AND GOVERNMENT POLICIES ON WOMEN ENTREPRENEURSHIP IN HARYANA STATE
Sandeep Raheja	HOTEL MANAGEMENT	Dr. Mahesh Uniyal	EFFECTIVENESS OF TRAINING PROGRAMS ON EMPLOYEE PERFORMANCE ADOPTED BY FIVE STAR HOTELS OF DELHI NCR
Himali Lakhera	HOTEL MANAGEMENT	Dr. Mahesh Uniyal	CRITICAL ANALYSIS OF JOB SATISFACTION AMONG FEMALE EMPLOYEES IN SELECTED HOTELS OF DELHI NCR
Pooja Rani	COMPUTER SCIENCE AND ENGINEERING	Dr. Rajneesh Kumar	HEART DISEASE DIAGNOSIS USING MACHINE LEARNING APPROACH
Puneet Banga	COMPUTER SCIENCE AND ENGINEERING	Dr. Sanjeev Rana	IMPROVING PERFORMANCE OF TASK SCHEDULING TECHNIQUES IN CLOUD ENVIRONMENT
Rakesh Sharma	HOTEL MANAGEMENT	Dr. Mahesh Uniyal	ANALYSIS OF GUEST PERCEPTION AND EMPLOYEES ATTITUDE TOWARDS ADOPTION OF ARTIFICIAL INTELLIGENCE ROBOTICS AND SERVICE AUTOMATION IN THE HOTELS A STUDY ON SELECTED FIVE STAR HOTELS OF DELHI
Sumiti	COMPUTER SCIENCE AND APPLICATIONS	Dr. Sumit Mittal	DEVELOPMENT OF AN AGENT BASED SECURE FRAMEWORK FOR SELFISH NODE DETECTION IN MANET
Sono Bhardawaj	MECHANICAL ENGINEERING	Dr. Rakesh Chandmal Sharma	DYNAMICS OF MODERN INDIAN RAILWAY VEHICLE ON STRAIGHT AND CURVED TRACK
Ratan Bisui	HOTEL MANAGEMENT	Dr. Mahesh Uniyal	IMPACT OF SERVICE QUALITY ON CUSTOMER SATISFACTION IN THE F&B SERVICE DEPARTMENT OF SELECTED HOTELS OF PUNJAB AND CHANDIGARH REGION
Kamaljeet Kaur	MANAGEMENT	Dr. Nipun Aggarwal	FEMALE EMPLOYEE PARTICIPATION IN RETAIL SECTOR IN TRICITY CHANDIGARH PANCHKULA & MOHALI
Masroof Amin Dar	COMPUTER SCIENCE AND ENGINEERING	Dr. Munishwar Rai	DESIGN A FRAMEWORK TO OPTIMIZE AND ENHANCE THE QOS IN BIG DATA
Sonia Goel	MATHEMATICS	Dr. Deepak Gupta	DESIGN AND DEVELOPMENT OF SCHEDULING MODELS
Maninder Pal Singh	PHARMACY	Dr. Manish Kumar	DEVELOPMENT AND OPTIMIZATION OF FLOATING DRUG DELIVERY SYSTEM CONTAINING SOME ANTICHOLINERGIC AGENT (S)

# PH.D AWARDED

Student Name	Department	Guide Name	Topic
Samrat Chauhan	PHARMACY	Dr. Sumeet Gupta	PHYTOPHARMACOLOGICAL STUDIES OF LITCHI CHINENSIS AND GLYCINE MAX IN THE TREATMENT OF NEURODEGENERATIVE DISORDER ASSOCIATED WITH METABOLIC SYNDROME
Rohini Goel	COMPUTER SCIENCE AND ENGINEERING	Dr. Avinash Sharma	DESIGN AND IMPLEMENTATION OF OBJECT RECOGNITION SYSTEM FOR IMAGES USING DEEP LEARNING
Mamta Santosh	COMPUTER SCIENCE AND ENGINEERING	Dr. Avinash Sharma	AN EFFECTIVE COMPUTING SYSTEM FOR HUMAN EMOTION RECOGNITION USING FACIAL EXPRESSIONS
Indra Narayan Mitra	PHYSIOLOGY	Dr. Lily Walia	CORRELATION BETWEEN PHYSIOLOGICAL PARAMETERS AND AGING AGE 65 AND ABOVE
Karan Singh	COMPUTER SCIENCE AND APPLICATIONS	Dr. Rajeev Gupta	DESIGN A SECURE AND OPTIMIZED ROUTING PROTOCOL IN MANET FOR DISASTER RESPONSE APPLICATIONS
Aman Sharma	PHARMACY	Dr. Sumeet Gupta	EFFECTS OF SPIRULINA RUTIN AND CHLOROGENIC ACID ON LIPOPOLYSACCHARIDE INDUCED IN TYPE 2 DIABETES MELLITUS
Sumit Sharma	PHARMACY	Dr. Shailendra Bhatt	FORMULATION DEVELOPMENT AND EVALUATION OF NOVEL VESICULAR CARRIER FOR ENHANCEMENT OF BIOAVAILABILITY OF POORLY SOLUBLE DRUG
MEGHA	ANATOMY	Dr. Jaswinder Kaur	ESTIMATION OF STATURE FROM HAND AND FOOT MEASUREMENTS IN THE REGION OF PUNJAB
MAMTA	MANAGEMENT	Dr. Ranjeet Verma	AN EMPIRICAL STUDY OF CONSUMER BUYING BEHAVIOUR IN RURAL AREAS WITH SPECIAL REFERENCE TO PERSONAL CARE PRODUCTS IN HARYANA STATE
Vikas Arya	MATHEMATICS	Dr. Satish Kumar	CHARACTERIZATION OF HAVRDA CHARVAT TSALLIS ENTROPY IN FUZZY ENVIRONMENT
Mandal, Gunjan Kumar	BIOCHEMISTRY	Dr. Suvarna Prasad	ASSESSMENT OF THYROID FUNCTION TEST IN PATIENTS WITH METABOLIC SYNDROME IN A HOSPITAL BASED STUDY IN NORTH INDIA
Sonia Sharma	COMPUTER SCIENCE AND APPLICATIONS	Dr. Dalip	A NOVEL APPROACH TO PREDICT THE CONSUMER BEHAVIOUR USING WEB USAGE MINING

# PH.D AWARDED

Student Name	Department	Guide Name	Topic
Sumra, Vinisha	COMPUTER SCIENCE AND ENGINEERING	Dr. Sandip Kumar Goyal	AN ADAPTIVE MALWARE DETECTION MECHANISM FOR SMART PHONE
Malik, Nisar Ahmad	COMPUTER SCIENCE AND APPLICATIONS	Dr. Munishwar Rai	DESIGN OF A MOBILE AGENT BASED FRAMEWORK FOR ENHANCED SECURITY IN MANETS
Bhupesh Gupta	COMPUTER SCIENCE AND ENGINEERING	Dr. Sanjeev Rana	EFFICIENT ENERGY APPROACH FOR PROLONGING LIFETIME IN WIRELESS SENSOR NETWORKS
Monika Kamra	PHYSIOLOGY	Dr. Lily Walia	VISUAL AND AUDITORY EVOKED POTENTIALS IN CHRONIC OBSTRUCTIVE PULMONARY DISEASE
Stuti Mehla	COMPUTER SCIENCE AND ENGINEERING	Dr. Sanjeev Rana	ANALYTICAL PLATFORM FOR OPTIMIZATION IN BIG DATA
Janish	ELECTRONICS AND COMMUNICATION ENGINEERING	Dr. Kapil Gupta	DESIGN AND IMPLEMENTATION OF NOVEL ALGORITHM FOR ENERGY EFFICIENT CLUSTER HANDLING IN REAL TIME WIRELESS SENSOR NETWORK
Hemant Saini	ANATOMY	Dr. Jaswinder Kaur	FACIAL MORPHOMETRY AND FACIAL ASYMMETRY AMONG VARIOUS ENDOGAMOUS & MIXED POPULATIONS IN THE SOLAN DISTRICT OF HIMACHAL PRADESH
Monika	ANATOMY	Dr. Jaswinder Kaur	STATURE ESTIMATION AND FORMULATION OF REGRESSION EQUATION FROM CEPHALON FACIAL ANTHROPOMETRY IN HARYANVI POPULATION

# RESEARCH PUBLICATIONS

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 2021 and 2022, the following are the numbers of research papers, citations, i-10 index and h-index in Scopus, WoS & PubMed indexed Journals/Conferences:

Category	2021-22
Publication in Scopus/Wos/Pubmed	1459
i-10 Index (Scopus)	88
i-10 Index (WOS)	57
h-Index (Scopus)	76
h-Index (WOS)	64
Citations (Scopus)	4.42
Citations (WoS)	4.04

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 101 books and book chapters were published by the faculty members in the year 2021-22.



# RESEARCH PUBLICATIONS

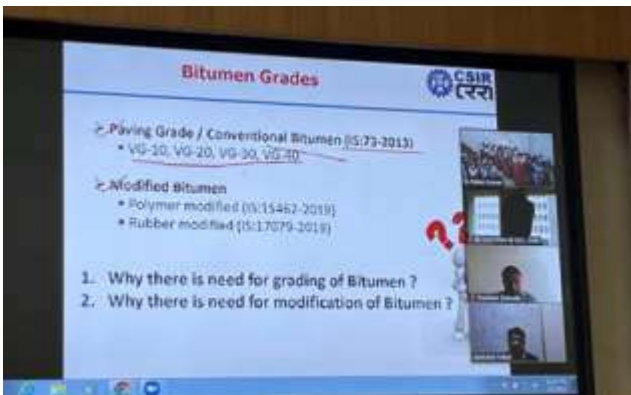
About 418 teachers have been awarded financial support for advanced studies/collaborative research, participation in Indian and Overseas Institutions during the year. 238 teachers were provided with financial support to attend conferences/workshops and towards membership for professional bodies. 397 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 24 functional MoUs for faculty exchange, student exchange, academics, Clinical training, internship, on-the-job training, project work & collaboration research.

# AWARDS & RECOGNITIONS

More than 80 faculty members have received awards and recognitions 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 International Adroit Researcher Award, Best Innovative Scientist Award, Teaching Excellence Award, National Elite Teacher Award, Bharat Shiksha Gaurav Puraskar, Eminent Engineering Personality Award on the occasion of " 55th ENGINEERSDAY" etc.

# STUDENT PROGRESSION

123 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 2021-22.



**Expert Talk on Flexible Type Pavement By CSIR-CRRI in association with IOCL by Civil Engineering Department, MMEC**

# 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 2021-22 are given below:

College / Institute	Consultancy	Amount (INR)
MMCP	27	10782309.00
MMEC	128	9155455.00
MMIM	2	1180000.00
Law	1	354000.00
<b>Total</b>		<b>21471764.00</b>

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 (INR)
MMEC	17	139.964
DENTAL	3	3.54
MMCN	1	1.18
MMCP	6	94.4
MMIM	4	47.2
MMICT&BM (HM)	2	15
MMICT&BM (MCA)	2	2.36
LAW	3	3.54
MMIPR	1	5.9

# PATENT AND COPYRIGHT

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 2021-22 :

<b>No. of Patents Awarded</b>	<b>31</b>
<b>No. of Patents Published</b>	<b>82</b>
<b>No. of Copyrights Awarded</b>	<b>79</b>

# 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 2021-22, students of all the institutions participated in State as well National level programs and won 279 awards. Out of them, 222 were received for cultural and 77 for Sports by students.

Number of activities organized at University level	Number of activities organized at National/State level
173	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
2021-22	110



Cultural and sports events serve as vibrant platforms for students to engage, celebrate, and showcase their talents and traditions. These events promote diversity, and foster a sense of unity and pride. Whether it's a festival, concert, art exhibition, or a sports tournament, they offer memorable experiences and create lasting memories for participants and spectators alike.

Cultural events offer a glimpse into the rich tapestry of traditions, customs, and artistic expressions of different communities. They often feature performances of music, dance, theatre, and visual arts, providing a platform for artists to share their creativity and cultural heritage. These events not only entertain but also educate and promote intercultural understanding, fostering appreciation for diverse cultural backgrounds.

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.

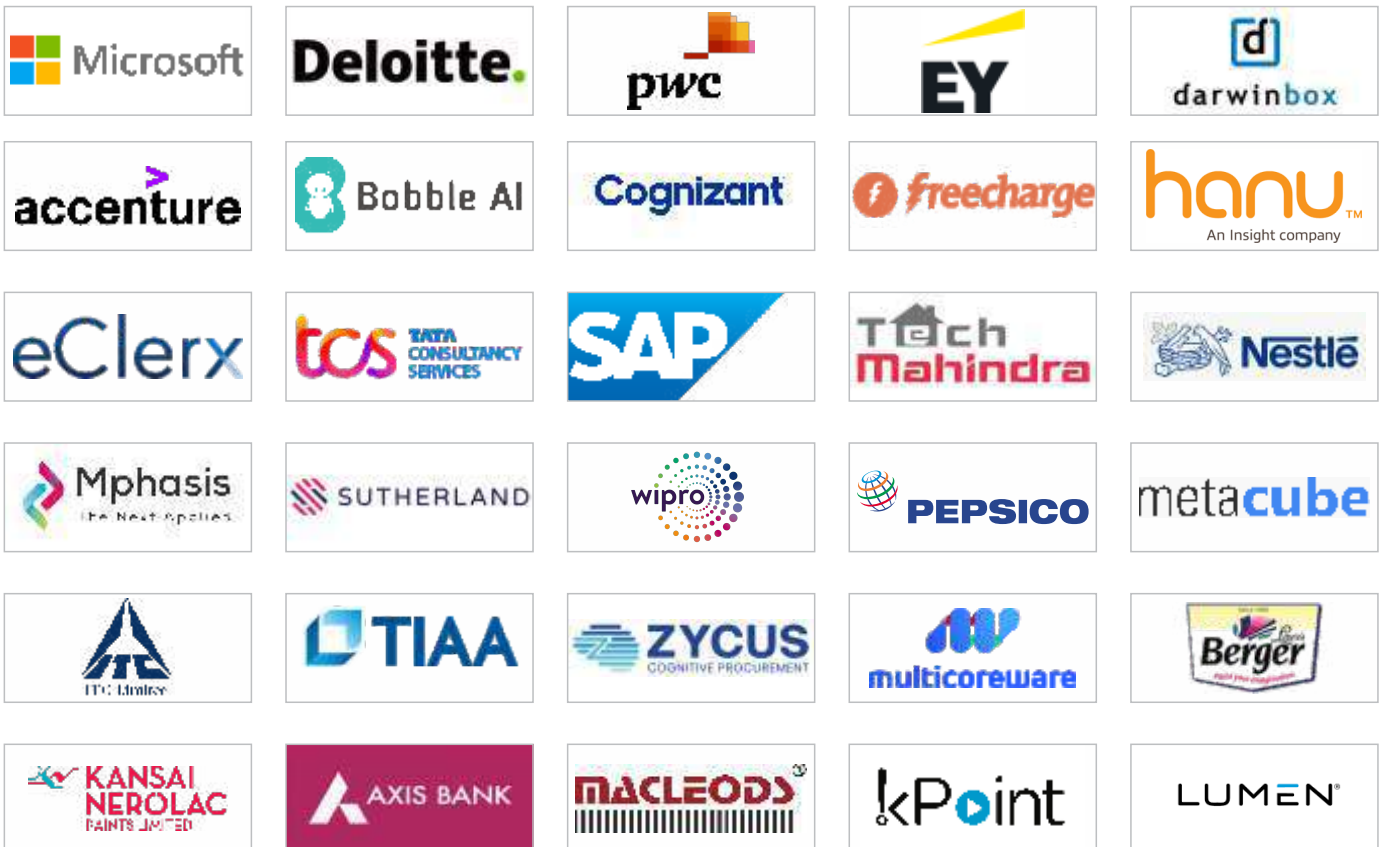


# PLACEMENTS

Name of College	Number of students placed
M.M. Engineering College	313
M.M. Institute of Computer Technology & Business Management	86
M.M. Institute of Management	243
M.M. Institute of Computer Technology & Business Management (Hotel Mgt.)	176
M.M. College of Nursing	139
M.M. College of Pharmacy	89
M.M. Institute of Physiotherapy & Rehabilitation	55
M.M. Institute of Medical Sciences & Research	458
M.M. College of Dental Science & Research	134
MM Department of Agriculture	49
<b>TOTAL</b>	<b>1744</b>

**Highest Package (2021) - 10 Lacs**

**198 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 Chanderpur Renewal Power Co. Pvt. Ltd., Mullana, Ambala  
by Department of Electrical Engineering, MMEC**



**Industry visit to Hathni Kund Barrage, Yamunanagar  
by Civil Engineering Department, MMEC**



**Industrial visit to Shahabad Co-Operative Sugar Mills Ltd.  
by MM Institute of Management**



**Yakult Danone India Pvt. Ltd, Sonipat, Haryana  
by Department of Mechanical Engineering, MMEC**



**Industrial visit Vita Milk Plant, Ambala  
by MM College of Nursing**

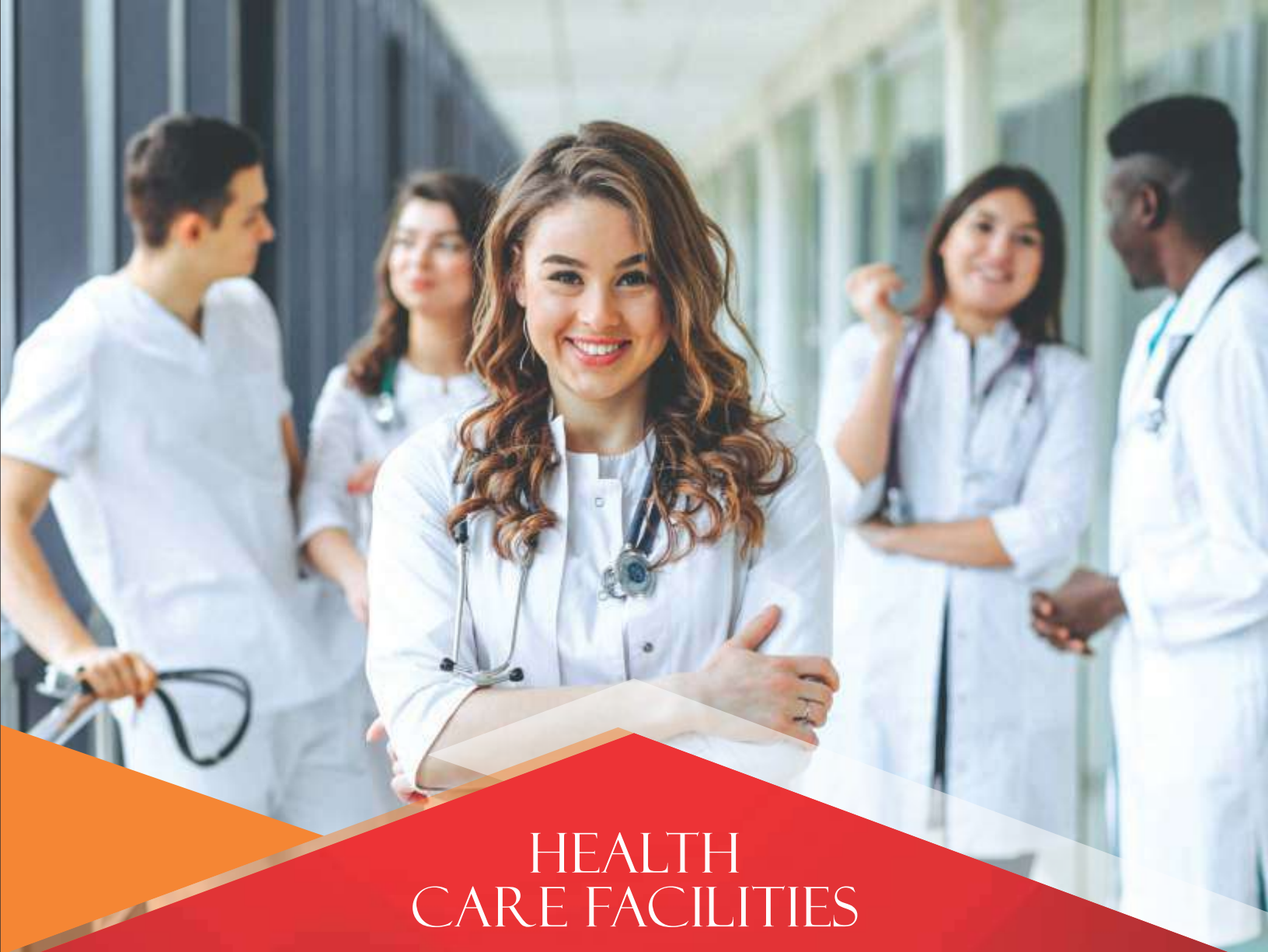


**Industrial visit to Hotel Ramada Plaza, Zirakpur, Chandigarh  
by MMICT & BM (HM)**

## NSS & OTHER EXTENSIONS ACTIVITIES

NSS unit of Maharishi Markandeshwar (Deemed to be University), Mullana has 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 honored 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

☎ 1800 2740 240 ☎ +91 80599-30001

🌐 [www.mmumullana.org](http://www.mmumullana.org) ✉ [info@mmumullana.org](mailto:info@mmumullana.org)



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