SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), MULLANA-AMBALA

MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), AMBALA-YAMUNANAGAR HIGHWAY NO. 344, MULLANA, DISTRICT AMBALA 133207
www.mmumullana.org

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Maharishi Markandeshwar (Deemed to be University) [MM(DU)], Mullana - Ambala (erstwhile Maharishi Markandeshwar University, Mullana) was established under Section 3 of the UGC Act vide Notification No. F.9-65/2006-U.3 (A) dated 12-6-2007. The constituent institutes of this Deemed to be University are as under:

- MM Engineering College
- MM Institute of Computer Technology & Business Management
- MM College of Dental Sciences & Research
- MM Institute of Physiotherapy & Rehabilitation
- MM Institute of Computer Technology & Business Management (Hotel Management)
- MM Institute of Medical Sciences & Research
- MM Institute of Management
- MM College of Nursing
- MM College of Pharmacy
- MM Institute of Nursing
- Faculty of Law
- Faculty of Agriculture

All the above institutes are also recognized by the respective regulatory bodies of MCI, DCI, INC, PCI, RCI, BCI, AICTE, etc.

MM(DU) has the proud privilege of being the first Self Financing Deemed to be University in Haryana. The institutional campus is located on an area of about 130 acres of land with exotic campus and lush green surroundings of green fields and rural folk duly provided with all modern amenities.

M. M. Group started off in 1995 with MM Engineering College with 180 students and 13 faculty members. Today as a Deemed to be University the MM(DU) has a student strength of nearly 9000 supported by the faculty strength of about 700 conducting 142 UG, PG, Diploma and Doctoral programmes.

Accredited by NAAC with Grade A, the MM(DU) has a rich legacy of excellence in research, innovation and skill development. While the B. Pharm. program has been accredited by NBA, its teaching hospital has also been granted accreditation by NABH & NABL. The MM(DU) and its constituent institutes have also been ranked amongst top institutions of the country by NIRF since 2017, with ranking of 93rd in the University category in NIRF 2020. At International level also, it has been accredited by ASIC (UK) and placed in 551-600 rank band in QS world rankings of 2021 in ASIA region.

These accomplishments stand a testimony to the consistent efforts of the MM(DU) to achieve its vision and mission, which are as under:

Vision

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

Mission

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

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- More than 25 years of Academic Excellence
- First Self Financing Deemed to be University in Haryana
- A Multi-disciplinary Deemed to be University
- Excellent Infrastructure
- Ranked 93rd in the University category with all the Government and Private Universities
- High ranking of its Medical, Dental and Pharmacy Institutes by NIRF
- Accreditations by NBA, NABH, NABL, ASIC (UK) and highly ranked by QS
- Centres of Excellence have been established in collaboration with reputed Industries
- Simulation Lab in MMIMS&R to provide high-end Clinical Skills
- Special focus on research output
- Involvement of faculty and students in Extension Activities
- Large number of Sports and Cultural activities
- Presence of large number of International students
- Clean and Green campus

Institutional Weakness

- Location in Rural Area
- Lack of International Faculty
- Lack of Research Funding from Government agencies especially in Clinical Departments
- Lesser flexibility in Curriculum of health science courses due to restrictions of regulatory bodies

Institutional Opportunity

- Starting of new age programs like Data Analytics, Data Science, Cyber Security, Deep Learning, Automation and Robotics, Bioinformatics, etc.
- Starting of Online Courses
- Expansion in terms of starting the Off-Campuses and Off-Shore Campuses
- Monetizing the awarded patents by way of transfer of technologies
- Further strengthening of student exchange and faculty exchange activities
- Recruitment of International Faculty

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- Accreditation by International agencies
- Starting of Continuing Education Programs
- Capacity building programs for the surrounding population

Institutional Challenge

- Procuring research grants from State/Central Government organizations
- Competing in the international rankings due to the restrictions imposed by regulatory bodies on mobility of students in health sciences programs
- International placements of students
- Providing low-cost education in the medical sciences
- Attracting international students from developed countries
- Involving all the teachers in research activities
- Getting international research grants
- Implementation of CBCS in all programs due to the binding curriculum structure of some regulatory bodies

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

1.1 Curriculum Design and Development

MM(DU) offers 142 UG, PG, Diploma and Doctoral Programs. Curricula of all the programs are scientifically designed covering Program Education Objectives & Outcomes matching with the graduate attributes laid down by the respective Regulatory Authorities. A well-defined system of designing and updating Course Curricula with active participation of all the stakeholders including industry and academia is followed. The Curricula are initially considered in the respective Board of Studies having two experts also from outside the MM(DU). Thereafter, it is deliberated in the meeting of the concerned Faculty and recommendations are placed before the Academic Council, where the Course Curriculum is thoroughly examined, deliberated and finally approved.

1.2 Academic Flexibility

Academic flexibility is offered through provision of various elective and inter-disciplinary courses. CBCS system has been implemented in all the programs except those courses for which the curriculum is decided by the regulatory bodies. Most of the Courses have focus on employability and skill development. Health Determinants and Right to Health Issues are covered through Community Postings of the students as a part of their curriculum.

1.3 Curriculum Enrichment

The MM(DU) has a number of Centers of Excellence which include BOSCH, CISCO, NI, GOOGLE, etc. in which curriculum based advanced courses in the respective domains are regularly offered apart from the 70 Value Added Courses offered to enhance employability of the students. Simulation Lab has been established in MMIMSR to provide high-end Clinical Skills to the students of Health Sciences. A module on Universal Human Values has been included in the Induction Program for all the students enrolled in Technical Education

Programs. In addition to this, MM(DU) has introduced compulsory course on Environmental Studies for all UG students. Further, a course on Professional Ethics is compulsory for all LLB, MBBS and Nursing students.

1.4 Feedback System

All constituent institutes are having a structured system to obtain feedback from various stakeholders on Curricular, Teaching Learning, Infrastructure, Facilities and other aspects once in a semester/year. The feedback obtained is analyzed by feedback committee and the results are transmitted to respective Principal/Head of the Department.

Teaching-learning and Evaluation

2.1 Student Enrolment and Profile

- Advertisements of notification for admission are given in leading newspapers and also hosted on the website.
- National level Counselling process is based on NEET for Medical/Dental UG/PG/Super-Speciality programmes, All-India Entrance Examination/Interview are held for admission to PhD in different disciplines, M.Sc. (Nursing) programs and Merit in qualifying examination is followed in other programs.
- About 50% students are from other states/countries.

2.2 Catering to Student Diversity

- A fully developed Mentoring System is followed.
- For Technical and Management programs, the question paper is designed keeping in view the slow and fast learners.
- Special Language Lab classes are held for all the students including the international students.

2.3 Teaching-Learning Process

- Curriculum focuses on student-centric learning.
- Teaching platforms like SWAYAM, NPTEL, etc. are used.
- 170 classrooms are fitted with LCD and WiFi/LAN facilities with 28 class rooms fitted with smart boards.
- A Media and Audio-Visual Centre exists for the development of e-content with a lecture capturing system.
- During COVID situation, all teachers are taking online classes using MS-Teams.
- Hospital information system which records all the data of patients helps in carrying out research for Health Sciences students.

2.4 Teacher Profile and Quality

- A healthy student-teacher ratio of 1:13.
- Out of 701 regular faculty, more than 65% are Ph.D./DM/M.Ch./MD/MS/MDS holders.
- Average teaching experience of a faculty member is more than 12 years.

2.5 Evaluation Process and Reforms

- Agreement with INFLIBNET for depository of the Theses on "Shodhganga".
- Ph.D. theses evaluated by two examiners, one of whom is from Foreign University/Research Lab.
- MoU with CDSL since March, 2018 and accordingly all the DMCs and final Degrees are being uploaded on the NAD portal. So far, approximately 3500 documents have been uploaded on the said portal.
- Examination Branch is completely automated. OSCE and OSPE have been introduced in the Medical College.

2.6 Student Performance and Learning Outcomes

- Average pass percentage of students in final examinations is nearly 89%.
- Most of the programs have well-defined PEOs which are reflected in the POs, PSOs and COs of each course.
- The learning outcomes are widely publicized on the institution website.

Research, Innovations and Extension

3.1 Promotion of Research and Facilities

- 2.5% of the total tuition fees has been Earmarked for research.
- Central Research Labs have been set up.
- A sum of more than Rs. 1 Crore given as seed money to faculty members during the last five years.

3.2 Resource Mobilization for Research

In addition to funds utilized from its own sources, the MM(DU) faculty has been able to get more than Rs. 3 crores as research grant from various sources during the last five years.

3.3 Innovation Ecosystem

- Setting up of Incubation Center and organizing regular programs on IPR.
- 15 start-ups have been incubated
- The Department of Scientific & Industrial Research (DSIR), Govt. of India has recognized M.M. Trust as SCIENTIFIC AND INDUSTRIAL RESEARCH ORGONIZATION (SIRO).

3.4 Research Publications and Awards

- There are nearly 19657 citations from nearly 7000 publications and h-index is 51.
- A total of 219 patents and copyrights have been filed, out of which 85 patents have been published; and 12 patents and 72 copyrights have been awarded during the last five years.

3.5 Consultancy

The revenue raised is shared in 30:70 ratio between MM(DU) and Researchers/others. So far, Faculty and students have generated a total revenue of nearly Rs 4 Crores.

3.6 Extension Activities

- NSS Units regularly organize Blood Donation Camps, cleanliness drives and social camps in nearby villages.
- During the last five years, more than 800 extension and outreach activities have benefitted nearly 70000 patients with other residents of surrounding rural region.
- Free delivery and cesarian section facility for all patients for maternal child care.
- Free bus service is provided to patients and their attendants coming from nearby villages and at Barara Railway Station to those coming by train.

3.7 Collaboration

- MOA with NRDC executed for commercialization of the technologies developed by MM (DU).
- A National Level Vendor Development Program-cum-Industrial Exhibition on Pharmaceuticals, Hospital Equipments and allied products organized in coordination with MSME, Karnal.
- MOU with many reputed Universities/Institutions like Alicante University, Spain; VID University, Norway; DCAC, Denmark, Central Soil Salinity Research Institute, Karnal; BOSCH etc. have been signed.

Infrastructure and Learning Resources

4.1 Physical Facilities

- Auditorium with a sitting capacity of nearly 1500
- Open-Air Theatre to accommodate audience upto 3000.
- Student Recreation Centre with dance floor, fashion studio, music studio, etc.
- Outdoor as well as indoor sports facilities.
- 14 Hostels (4 for boys, 7 for girls, 2 for PG and 1 for foreign students)
- 2 Shopping Complexes, Post Office, Petrol Pump, 4 Banks and 7 ATMs.
- A large fleet of Deluxe buses coming from surrounding region.
- Residential facilities for Doctors, Teaching and Non-teaching staff.
- Multi Speciality Hospital facilities extended to staff and students of MM(DU).

4.2 Clinical, Equipment and Laboratory Learning Resources

- State-of-the-art teaching hospital with 940 teaching beds.
- Central Clinical Laboratory fully automated with equipments like Advanced Autoanalyzers, Vitek Automated Culture and Sensitivity Machine, Bactek for Rapid Culture and Diagnosis of Tuberculosis.
- Molecular Biology Lab for Molecular and Gene Studies.
- Paperless e-ICU System on 100 ICU and Emergency Beds.
- Highly Advanced equipments like Versa HD Linear Accelerator and CT Simulator for Radiotherapy, 2 MRI, 128 Slice and 16 Slice C.T. Scan, etc.
- Only Medical College in Haryana to get NABH accreditation and first to get Gold Certificate under Aayushmaan Bharat (PM-JAY).

4.3 Library as a Learning Resource

- More than 1.80 lac books, 684 print Journals, 15000 e-journals, 10980 CDs/DVDs.
- Software 'SOUL' being used since 2003.
- 'D-Space' Digital Library Software.
- Subscription to Knimbus and OVID medical database.
- More than 1.8 lac e-books provided by EBSCO Information Services.
- 425 ancient books/manuscripts/digitized traditional manuscripts.

4.4 IT Infrastructure

- 1800+ computers/laptops with latest configuration.
- Proprietary software worth nearly Rs. 4 Crores in addition to the open-source software.
- 170 IT enabled classrooms and 55 computer labs.
- Over **4700+ LAN Points** were augmented with Campus backbone network upgraded from **100 Mbps** to **1 Gbps**.
- Augmenting the network backbone from **1 Gbps** to **10 Gbps** in process

4.5 Maintenance of Campus Infrastructure

- Instruments/Equipments maintained by USIC.
- Maintenance of hospital equipments and other sophisticated equipments through AMCs/CMCs.
- IT infrastructure maintained by UIITM Cell.
- Maintenance of sports/cultural infrastructure by DSW.
- Parks, gardens and lawns maintained by Horticulture department.
- Maintenance of vehicles taken up by the Transport incharge.

Student Support and Progression

5.1 Student Support

The MM(DU) currently has a student strength of about 9000 with a very strong student mentoring support system. Teacher mentors provide the counselling and guidance to the students. Mentors also provide the information about the performance of the students to their parents on regular basis. Student support is also provided by the Dean Students Welfare, Anti-Ragging Committee, Training and Placement Cell and Grievance Redressal Cell. Further, nearly 25% students have been provided the scholarships/freeships on merit-cum-means basis.

5.2 Student Progression

MM(DU) has a Central Placement Cell assisted by Students' Placement Committee. The students also actively participate in organizing events like mock sessions of aptitude tests, interviews, etc. In last five years, nearly 90% students have got jobs/selected for higher studies.

5.3 Student Participation and Activities

There is a Students Welfare Council for each of the institutes which focuses at holistic development of students. Further, the representatives from these institutional councils are part of the MM(DU) student council, which works under the guidance of Dean Students Welfare.

Annually, sports and cultural activities are organized at various levels. UniversuMM is the annual National Youth Fest in which various events are conducted. Ammunation is another annual Intra-University Youth Competition in which around 45 competitions are conducted. It is ensured that every student gets a platform to hone his latent skills.

During the years 2018 and 2019, Youth Leadership Camps (YLC) were organized by MM(DU), which brought together an eclectic mix of students from countries like Germany, Czech Republic, Indonesia, Sri Lanka, Denmark, South Africa, Bangladesh and Nepal providing them a forum for the meaningful exchange of culture.

5.4 Alumni Engagement

The MM(DU) has registered Maharishi Markandeshwar Alumni Welfare Society vide Memo No. 2020-08-004920. Our alumni are also doing exceedingly well and are taking the name of the Nation and their Alma Mater to greater heights.

The alumni contribute through many ways which include participation in Alumni meets conducted every year, liaisoning with Placement Cell, contribtion of books to the library, extending financial assistance, also as members of Boards of Studies, etc.

Governance, Leadership and Management

6.1 Institutional Vision and Leadership

- Functioning as per MOA of MM(DU) framed in accordance with provisions of the UGC(Institutions Deemed to be Universities) Regulations.
- Cadre-wise Faculty members have representation in various decision-making bodies on rotation basis.
- Staff members and students of various Institutes/Departments have a participative role in various Committees.
- Other stakeholders like Parents, Alumni, Representatives of industry, etc. participate in meetings of IQAC and their feedback is also considered in curriculum designing and restructuring.

6.2 Strategy Development and Deployment

- Strategic plans developed for 2020 & 2025 laid stress on indicators like Research output, Internationalization, Establishment of Centers of Excellence, Green Campus, Rankings and Accreditation, etc.
- The deployment of the plan ensured through the robust governance structure of MM(DU), highly qualified human resources and state-of-the-art infrastructure.

6.3 Faculty Empowerment Strategies

- In the last 5 years, more than 350 professional development and administrative training programmes have been organized for teaching and non-teaching staff.
- The teachers are also encouraged to participate in various programs organized by other Institutions.
- Annual Self-Appraisal System for the Performance Appraisal of teaching and non-teaching staff exists.
- The API Score of faculty members is taken into consideration for their promotion under Career Advancement Scheme.

6.4 Financial Management and Resource Mobilization

- Wholly dependent upon its own financial resources i.e. fees, hospital receipts, consultancy and interest accrued on the investments.
- Mobilization also carried out by donations, conduct of entrance tests by various agencies, generation of electricity from solar power, funds for Research Projects and sponsorships earned for organizing various programs.
- Optimal use of financial resources is ensured through strict budgetary control on expenditure.
- Audit Cell established in the Accounts Branch of MM(DU) for exercising control over its accounts.

6.5 Internal Quality Assurance System (IQAS)

- Internal Quality Assurance Cell (IQAC) constituted in accordance with the NAAC guidelines.
- IQAC conducts academic and administrative audit of the MM(DU) and its constituent institutions.
- IQAC actively involved in collection and analysis of feedback from various stakeholders. It organizes various quality related programmes at regular intervals.
- IQAC involved in various other accreditation/ranking processes like NIRF, NABH, NBA, QS, etc.

Institutional Values and Best Practices

7.1 Gender Equity

- On an average, MM(DU) has about 45% girl students and women staff members.
- A Women Study Centre conducts activities on gender equity from time to time.
- Legal Aid Cell in collaboration with the NHRC, District Legal Services Authority and NGOs holds activities to educate the masses about various social issues.
- Day Care Center exists for young children of working women employees.
- Constant monitoring through CCTV and biometric machines at entry, exit and other strategic points.

7.2 Environmental Consciousness and Sustainability

- Separate dustbins for dry and wet waste.
- Sewage is treated in Sewage Treatment Plant and the water is pumped through sprinklers and overhead tanks to all the lawns.
- MM(DU) adopted the Bio-Medical Waste Management Rules, 2016.
- SOPs are followed for the hazardous chemicals and radioactive waste disposal. Compliance of AERB norms is ensured at both the MM(DU) level and the Insitutional/Departmental level.

7.3 Inclusion, Human Values and Professional Ethics

- North East Cultural Fiesta is organized which exhibits the culture of all the eight states.
- Foreign students showcase their cultural heritage through their dance forms and traditional attire on various occasions.
- Independence Day, Republic Day, Birth anniversaries of Mahatma Gandhi and other National leaders/Freedom Fighters, etc. are celebrated every year.
- Some of the activities are organized at the respective institutional level like Engineer's Day, World Physiotherapy Day, International Nurses Day, etc.

- Various other events like National Voters Day, World Environment Day, National Youth Day, National Science Day, World Blood Donor Day, International Yoga Day, etc. are regularly organized.

7.4 Best Practices and Institutional Distinctiveness

- Best practices include a special focus on Intra-University and Inter-University co-curricular and extra-curricular activities, providing affordable quality health care to the rural masses, mentoring system, encouraging self-employment through Campus Business Park, Pre-placement online mock-test series, etc.
- Distinctive due to establishment of a number of Centers of Excellence, its initiatives for a green campus, establishment of a Clinical Skill Laboratory for Simulation based Learning and Training, etc.
- In the process of establishing Centre for Skill and Entrepreneurship Development (CSED) on manufacturing and internet of things, with an investment of about twenty five crores.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the University	
Name	Maharishi Markandeshwar (Deemed to be University), Mullana-Ambala
Address	Maharishi Markandeshwar (Deemed to be University), Ambala-Yamunanagar Highway No. 344, Mullana, District Ambala
City	MULLANA
State	Haryana
Pin	133207
Website	www.mmumullana.org

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Vice Chancellor	Harish Kumar Sharma	01731-282440	8059932404	01731-274495	info@mmumullana.org
IQAC / CIQA coordinator	Tarun Gulati	01731-282235	8059931274	01731-282527	directoriqac@mmumullana.org

Nature of University	
Nature of University	Deemed University
Institution Fund Source	No data available.

Type of University	
Type of University	Unitary

Establishment Details	
Establishment Date of the University	12-06-2007
Status Prior to Establishment,If applicable	Other
Establishment Date	22-05-1995
Any Other, Please Specify	Affiliated Colleges of a State University

Recognition Details		
Date of Recognition as a University by UGC or Any Other National Agency :		
Under Section	**Date**	**View Document**
2f of UGC	12-06-2007	View Document
12B of UGC		
Section 3	12-06-2007	View Document

University with Potential for Excellence	
Is the University Recognised as a University with Potential for Excellence (UPE) by the UGC?	No

Location, Area and Activity of Campus							
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.	Programmes Offered	Date of Establishment	Date of Recognition by UGC/MHRD
Main campus	Maharishi Markandeshwar (Deemed to be University), Ambala-Yamunanagar Highway No. 344, Mullana, District Ambala	Rural	133	431855	One Hundred Forty Two		
Institutes	*Maharishi Markandeshwar (deemed To Be University) Campus, Ambala-yamunanagar Highway No. 344, Mullana, District Ambala*	*Rural*	*133*	*431855*	*One Hundred Forty Two*	*22-05-1995*	*12-06-2007*

2.2 ACADEMIC INFORMATION

Furnish the Details of Colleges of University

Type Of Colleges	Numbers
Constituent Colleges	12
Affiliated Colleges	0
Colleges Under 2(f)	0
Colleges Under 2(f) and 12B	0
NAAC Accredited Colleges	0
Colleges with Potential for Excellence(UGC)	0
Autonomous Colleges	0
Colleges with Postgraduate Departments	11
Colleges with Research Departments	11
University Recognized Research Institutes/Centers	11

Is the University Offering any Programmes Recognised by any Statutory Regulatory Authority (SRA)		: Yes
SRA program	Document	
BCI	104786_6031_8_1613642607.pdf	
INC	104786_6031_7_1613642590.pdf	
MCI	104786_6031_2_1614783366.pdf	
RCI	104786_6031_19_1613046074.pdf	
PCI	104786_6031_6_1614586540.pdf	
DCI	104786_6031_5_1614783278.pdf	
AICTE	104786_6031_1_1613044035.pdf	

Details Of Teaching & Non-Teaching Staff Of University

Teaching Faculty											
	Professor				**Associate Professor**				**Assistant Professor**			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned				187				101				330
Recruited	134	53	0	187	56	45	0	101	161	169	0	330
Yet to Recruit				0				0				0
On Contract	0	0	0	0	0	0	0	0	0	0	0	0

	Lecturer				**Tutor / Clinical Instructor**				**Senior Resident**			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned				4				45				34
Recruited	2	2	0	4	6	39	0	45	20	14	0	34
Yet to Recruit				0				0				0
On Contract	0	0	0	0	0	0	0	0	0	0	0	0

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned				3492
Recruited	1866	1626	0	3492
Yet to Recruit				0
On Contract	1532	1309	0	2841

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned				537
Recruited	445	92	0	537
Yet to Recruit				0
On Contract	300	61	0	361

Qualification Details of the Teaching Staff

Permanent Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	109	41	0	43	30	0	67	56	0	346
M.Phil.	0	0	0	0	1	0	0	1	0	2
PG	25	12	0	13	14	0	93	110	0	267

Highest Qualification	**Lecturer**			**Tutor / Clinical Instructor**			**Senior Resident**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	16	12	0	28
M.Phil.	0	0	0	1	0	0	0	0	0	1
PG	2	2	0	4	22	0	0	2	0	32

Temporary Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Highest Qualification	**Lecturer**			**Tutor / Clinical Instructor**			**Senior Resident**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Highest Qualification	**Lecturer**			**Tutor / Clinical Instructor**			**Senior Resident**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Distinguished Academicians Appointed As

	Male	**Female**	**Others**	**Total**
Emeritus Professor	0	0	0	0
Adjunct Professor	0	0	0	0
Visiting Professor	0	0	0	0

Chairs Instituted by the University

Sl.No	Name of the Department	Name of the Chair	Name of the Sponsor Organisation/Agency
1	MM Deemed to be University	Maharaja Agarsen Chair	MM Deemed to be University
2	MM Deemed to be University	UNESCO Chair in Bioethics Haifa	MM Deemed to be University

Provide the Following Details of Students Enrolled in the University During the Current Academic Year

Programme		From the State Where University is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	605	754	0	55	1414
	Female	448	292	0	23	763
	Others	0	0	0	0	0
PG	Male	141	160	0	2	303
	Female	235	182	0	2	419
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	32	20	0	0	52
	Female	55	20	0	0	75
	Others	0	0	0	0	0
Diploma	Male	11	12	0	6	29
	Female	3	1	0	3	7
	Others	0	0	0	0	0
Post Master's (DM,Ayurveda Vachaspathi,M.Ch)	Male	0	4	0	0	4
	Female	0	0	0	0	0
	Others	0	0	0	0	0

Does the University offer any Integrated Programmes?	No

Details of UGC Human Resource Development Centre, If applicable

Year of Establishment	Nill
Number of UGC Orientation Programmes	0
Number of UGC Refresher Course	0
Number of University's own Programmes	0
Total Number of Programmes Conducted (last five years)	0

Accreditation Details

Cycle Info	Accreditation	Grade	CGPA	Upload Peer Team Report
Cycle 1	Accreditation	A	3.06	1st Cycle Peer Team Report.pdf

General Facilities	
Campus Type: Maharishi Markandeshwar (Deemed to be University), Ambala-Yamunanagar Highway No. 344, Mullana, District Ambala	
Facility	**Status**
• Auditorium/seminar complex with infrastructural facilities	**Yes**
• **Sports facilities**	
* Outdoor	**Yes**
* Indoor	**Yes**
• Residential facilities for faculty and non-teaching staff	**Yes**
• Cafeteria	**Yes**
• **Health Centre**	
* First aid facility	**Yes**
* Outpatient facility	**Yes**
* Inpatient facility	**Yes**
* Ambulance facility	**Yes**
* Emergency care facility	**Yes**
• **Health centre staff**	
* Qualified Doctor (Full time)	**424**
* Qualified Doctor (Part time)	**0**
* Qualified Nurse (Full time)	**638**
* Qualified Nurse (Part time)	**0**
• Facilities like banking, post office, book shops, etc.	**Yes**
• Transport facilities to cater to the needs of the students and staff	**Yes**

• Facilities for persons with disabilities	**Yes**
• Animal house	**Yes**
• Power house	**Yes**
• Fire safety measures	**Yes**
• Waste management facility, particularly bio-hazardous waste	**Yes**
• Potable water and water treatment	**Yes**
• Renewable / Alternative sources of energy	**Yes**
• Any other facility	**24x7 Pharmacy, Temple, Yoga Centre, Child Care Centre, Clinical Skill and Simulation Centre, Campus Business Park, Business Incubation Centre, Centre of Excellence(s), Shopping Centers, Entrepreneurship Development Cell**

Hostel Details		
Hostel Type	**No Of Hostels**	**No Of Inmates**
* Boys' hostel	4	2125
* Girls's hostel	7	1946
* Overseas students hostel	1	118
* Hostel for interns	2	141
* PG Hostel	2	207

Health Professional Education Unit / Cell / Department		
Year of Establishment: **06-08-2003**		
Education Programs Conducted	**Number Programs Conducted**	**Duration in Months**
* Induction	68	3
* Orientation	68	3
* Refresher	212	14
* Post Graduate	76	3

Extended Profile

1 Program

1.1

Number of all programs offered by the institution during the last five years

Response: 173

File Description	Document
Institutional data in prescribed format	[View Document]

2 Students

2.1

Number of students year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
9053	8529	8347	7688	7830

File Description	Document
Institutional data in prescribed format	[View Document]

2.2

Number of graduated students year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
2023	1997	1817	1977	1763

File Description	Document
Institutional data in prescribed format	[View Document]

3 Teachers

3.1

Number of full time teachers year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
701	711	710	649	680

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
701	711	710	649	680

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
13140	13796	9783	8375	6543

File Description	Document
Institutional data in prescribed format	View Document

29-11-2021 10:04:57

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curriculum Design and Development

1.1.1 Curricula developed and implemented have relevance to the local, national, regional and global health care needs which are visible in Programme Outcomes (POs), and Course Outcomes (COs) offered by the University, as per the norms of the Regulatory Bodies.

Response:

Curriculum for an Academic Program is the most critical parameter for ensuring appropriate Learning Outcomes in terms of knowledge, skills, attitude and behaviour. MM(DU) offers 142 UG, PG, Diploma and Doctoral Programs. More than 60% Programs fall under the domain of Health Sciences including MBBS, MD/MS (in different specializations), DM/ MCh (in different specializations), BSc/ MSc (in different Para-Medical specializations), BDS/MDS (in different specializations), BSc/MSc (Nursing in different specializations)/P.B.B.Sc. (Nursing), BPT/ MPT, B.Pharma, M.Pharma (in different specializations), Pharma D and Pharma D (PB) etc. Other Academic Programs include B.Tech/ M.Tech (in different specializations), BSc/MSc (Physical and Life Sciences, Hospitality, Nutrition & Dietetics), BCom, BBA/MBA, BCA/MCA, BHM&CT, Integrated LLB/LLM, BSc/MSc (Agriculture) etc. Almost all of these programs fall under the category of 'Professional' and 'Vocational' Programs leading to instant jobs or self-employment. Hence, MM(DU) designs these courses keeping in mind the graduate attributes of the specific disciplines which ensure capabilities to succeed as a professional and a better human being.

All program curricula are scientifically designed covering Program Education Objectives & Outcomes and Course Objectives & Outcomes matching with the relevant graduate attributes within the boundaries laid down by the respective Regulatory Authorities. Regulatory Councils of MCI, DCI, INC, PCI and BCI prescribe the complete curricula with comprehensive evaluation and assessment methodologies for various programs under their domain, which are further fortified by MM(DU) with Value Added Courses in the emerging areas. In the last five years, 70 value added courses imparting transferable and life skills have been offered to more than 12000 students. Courses on human values, professional ethics, NSS, NCC or other student clubs inculcate in the minds of students the needs of society and enable them to have a broad outlook on life and lead to holistic development of student's character and personality.

Other Regulatory Councils such as AICTE, UGC, etc. provide model curricula for various courses providing autonomy to the Universities to design their own curricula keeping in view the local, regional, national and global prospective with health care needs. In all such courses, MM(DU) follows globally acceptable and prevalent methodology for designing of an effective curriculum for an Academic Program. Mandatory industrial/field training ensures that students are exposed to the developmental requirements of the country in general and local/regional requirements in particular.

File Description	Document
Any additional information	[View Document](#)
Link for Outcome analysis of POs, COs	[View Document](#)
Link for Curricula implemented by the University	[View Document](#)

1.1.2 Percentage of Programmes where syllabus revision was carried out during the last five years

Response: 64.16

1.1.2.1 How many programs were revised out of total number of programs offered during the last five years

Response: 111

File Description	Document
Syllabus prior and post revision of the courses	[View Document](#)
Minutes of relevant Academic Council/BOS meetings	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

1.1.3 Provide a description of courses having focus on competency/ employability/ entrepreneurship/ skill-development offered either by the University or in collaboration with partner Institutions/Industries during the last five years

Response:

MM(DU) offers 142 UG, PG, Diploma and Doctoral Degree Programs, large majority of which fall under the category of 'Professional' & 'Vocational' Programs having complete focus on employability as well as entrepreneurship including MBBS, MD/MS (with different specializations), DM/MCh (in different specializations), BSc/ MSc (in different Para-Medical specializations), BDS, MDS (with different specializations), BSc (Nursing), MSc (Nursing) (with different specializations) B. Pharma, M. Pharma (in different specializations) Pharma D, Pharma D (PB), BPT, MPT (with different specializations), B.Tech/M.Tech (with different specializations), BSc/MSc (Physical and Life Sciences/Hospitality/Nutrition & Dietetics), BCom, MBA/BBA, BCA/MCA, BHM&CT, etc.

It is pertinent to mention here that courses/subjects offered in each program are broadly classified in four categories namely (i) Foundation Courses (ii) Core Courses (iii) Specialized Courses and (iv) Inter-Disciplinary Courses. Most of the Core, Specialized and Inter-disciplinary Courses have focus on competency/employability and all lab/workshop courses focus on skill development.

In MBBS, all courses offered in second year onwards i.e. Pathology, Pharmacology, Micro-Biology,

Forensic Medicine, Ophthalmology, Ear-Nose-Throat, Community Medicine, General Medicine, General Surgery, Paediatrics and Obstetrics & Gynaecology completely focus on competency and employability. MD/MS/DM/MCh Programs are totally based on skill development with term end examination only once at the end of third year. Same is the case with all courses offered in BDS/ MDS Programs. Almost all courses offered in BPT/MPT, BSc/MSc – Nursing, B.Pharma/M.Pharma, Pharma D are also totally focused on competency / employability / skill development.

In B.Tech / M.Tech Programs leaving Foundation Courses such as Applied Mathematics, Applied Physics, Applied Chemistry, Communication Skills etc., all other Courses including Core, Specialized and Inter-Disciplinary Courses completely focus on competency/employability/skill development in the respective domains. Foundation Courses also lead to competencies being focus on applications of Physical Sciences for problem solving. Programs offered in Law, Management and Hotel Management Institutes also focus on competency/ employability/ skill development/ entrepreneurship. 100% courses offered in MM(DU) are terminal in nature in which case the passing-out graduates may get instant placement based upon their qualifications, without any further training except for those who decide to opt for entrepreneurship.

Some Centres of Excellence have been established in MM(DU) in collaboration with reputed Industries namely Bosch Centre for Excellence in Automobiles, Google Centre of Excellence for education, CISCO Centre of Excellence in Networking, Texas Instruments Centre of Excellence in Virtual Instrumentation, National Instruments Centre of Excellence in Virtual Instrumentation, Value HR Centre of Excellence in Human Resource Management and SAP Centre of Excellence for ERP, in which curriculum based advanced courses in the respective domains are offered apart from Value Added Courses to enhance employable skills of the students. Simulation Lab has been established in MMIMSR to provide high-end Clinical Skills to the students of Medicine, Dentistry, Nursing and Physiotherapy. Departments of Biotechnology and Chemistry have signed MoUs with Ms. Anuja Healthcare for training of the students in the concerned industry and undertaking some joint research activities.

File Description	Document
Link for MOUs with Institutions / Industries for offering these courses	[View Document](#)
Link for courses having focus on competency/ employability/ entrepreneurship/ skill-development	[View Document](#)

1.2 Academic Flexibility

1.2.1 Percentage of Programmes in which Choice-Based Credit System (CBCS)/Elective Course System has been implemented, wherever provision was made by the Regulatory Bodies (Data for the preceding academic year).

Response: 100

1.2.1.1 Number of programmes in which CBCS/ Elective course system implemented.

Response: 119

1.2.1.2 Total number of Programmes where there is regulatory provision for CBCS / elective course system

Response: 119

File Description	Document
University letter mandating implementation of CBCS by the institution	[View Document](#)
Structure of the program clearly indicating courses, credits/Electives as approved by the competent board	[View Document](#)
Minutes of relevant Academic Council/BoS meetings Clearing indicating the adoption of CBCS System and/or	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

1.2.2 Percentage of new degree programmes, fellowships and diplomas introduced by the university across all Faculties during the last five years (certificate programmes are not to be included)

Response: 31.21

1.2.2.1 Number of new Degree Programmes, Fellowships and Diplomas introduced by the University during the last five years

Response: 54

File Description	Document
Minutes of relevant Academic Council/BoS meetings Clearing approving the introduction of new Degree Programmes, Fellowships and Diplomas claimed in the SSR	[View Document](#)
List of the new Programmes introduced during the last five years	[View Document](#)
Institutional data in prescribed format	[View Document](#)

1.2.3 Percentage of interdisciplinary courses under the programmes offered by the University during the last five years

Response: 52.63

1.2.3.1 Number of interdisciplinary courses offered by institution during the last five years

Response: 6123

1.2.3.2 Number of courses offered by the institution across all programs during the last five years

Response: 11633

File Description	Document
Minutes of relevant Academic Council/BoS meetings Clearly approving the interdisciplinary Courses with specifications of departments involved	[View Document](#)
List of Interdisciplinary courses under the programmes offered by the University during the last 5 years	[View Document](#)
Institutional data in prescribed format	[View Document](#)

1.3 Curriculum Enrichment

1.3.1 Institution integrates crosscutting issues relevant to Gender, Environment and Sustainability, Human Values, Health Determinants, Right to Health Issues, Emerging demographic changes and Professional Ethics in the curricula

Response:

MM(DU) in its Vision Statement has clearly mentioned that it focuses on preparing students to be the worthy citizens of the Global Society which is possible only through developing an all-round personality of the students without angularities. Therefore, it is required to make the students aware about various burning societal issues as a part of the curriculum.

Since MM(DU) is a predominantly Health Sciences focused Deemed to be University offering more than 60% Degree Programs in the fields of Medicine, Dentistry, Nursing, Physiotherapy, Pharmacy, etc. Health Determinants and Right to Health Issues are essentially covered through Community Postings of the students as a part of their curriculum. While undertaking these kinds of activities, they come to know about the real-life problems and sufferings of the people for which they look for better and economical solutions as part of their learning.

MM(DU) has identified Gender Champions among the students who work for creating an enabling environment for equal opportunities for boys & girls. MM(DU) has nearly 45% of Women Students and more than 40% of Women Faculty on its roll which is very healthy in terms of gender balance. All teams which are formed for organizing various activities consist of both male and female students to enable them to respect the dignity of fellow colleagues with care and regards without any gender bias. Activities being organized by the Women Study Centre also plays a prominent role in sensitising the concept of women's equality with emphasis on women empowerment. MM(DU) has five units of NSS enrolling about 500 students and one NCC unit for girls from different disciplines. All these Volunteers while undertaking on-Campus and field activities focused on gender sensitivity and they spread this message comprehensively.

MM(DU) has established a Value Education Cell with the following objectives:

- To bring out humaneness in the students so as to establish harmony in the world.
- To enrich the character thus providing moral leadership on courage and intellectual integrity
- To highlight and emphasize the most important role that human values play in today's tech savvy world
- To curb the intensifying criminal instincts, drug addiction, anxiety, rage, suicidal tendencies and stress among the students
- To coordinate with the NGO's such as Art of Living, ISKCON, Isha Foundation etc. for the promotion of Human Values

MM(DU) has also organised two 8-days Faculty Development Program on Universal Human Values (Level-1) under which 75 faculty members were trained. 2 senior faculty members attended Level-2 FDP on Universal Human Values at Bikaner Technical University. A module on Universal Human Values has been included in the Induction Program for all the students enrolled in Technical Education Program covering 15 to 20 hrs of training. In addition to this, MM(DU) has introduced compulsory course on Environmental studies for all UG students. Further, a course on Professional Ethics is compulsory for all LLB, MBBS, Nursing and Ph.D students.

File Description	Document
List of courses that integrate crosscutting issues mentioned above	[View Document](#)
Link for additional information	[View Document](#)
Link for description of the courses which address Gender, Environment and Sustainability, Human Values, Health Determinants, Right to Health Issues, Emerging demographic changes and Professional Ethics in the Curricula	[View Document](#)

1.3.2 Number of value-added courses offered during the last five years that impart transferable and life skills.

Response: 70

1.3.2.1 Number of value-added courses are added within the last five years

Response: 70

File Description	Document
Institutional data in prescribed format	[View Document](#)
Brochure or Course content or syllabus relating to Value added courses to be uploaded in the SSR	[View Document](#)
Any additional informatiom	[View Document](#)

1.3.3 Percentage of students successfully completed the value-added courses during the last five years

Response: 31.17

1.3.3.1 Number of students who successfully completed the value-added courses imparting transferable and life skills offered year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
4234	2781	2337	2039	1527

File Description	Document
The institution should provide list of the students as per the requirement in the template failing which the claim will not be considered	[View Document](#)
Institutional data in prescribed format	[View Document](#)

1.3.4 Students undertaking field visits / research projects / Industry internships/ visits/Community postings as a part of curriculum enrichment

Response:

In order to attain the objectives of training, professionals with an integrated and technological oriented education for a better career, making the students aware about the societal needs and hence grooming them to become better citizens and human beings, the MM(DU) has made provisions in all Academic Programs for students to interact with the external environment especially during their field visits and educational trips to different places.

All Academic Programs under the domain of Medicine, Dentistry, Nursing, Physiotherapy and Pharmacy, have extensive community postings as part of the curriculum enrichment under which faculty members and students hold health camps in rural areas to provide healthcare and its awareness to the marginalized sections of the society. Students acquire knowledge and inculcate skills related to the relevant domains and understand the health-related problems faced by the masses.

MM(DU) has established Satellite Primary/Rural/Urban Health Centres where regular healthcare is

provided with the help of faculty members and students. All PG students enrolled in MD/MS/DM/MCh/MDS/MPT/MPharm/MSc Nursing Programs are required to submit a thesis based upon the Research Projects/Case Reports undertaken by them during their study. All M.Tech students are mandatorily required to submit a dissertation by the end of 2nd year on a relevant research topic after extensive literature review, covering the experimental or study based research with feasible solution(s).

All the students of MBBS and BDS have to undergo a mandatory internship of one year in Hospitals as a part of their curriculum. There is a mandatory provision for six months to one-year internships in Hospitals for all undergraduate students of Para-Medical Programs. The students of BPT and B.Sc. (Nursing) have to undergo six months internship.

In the Curriculum of Technical Programs in the area of Engineering & Technology, Computer Applications, Management/Business Studies, Pharmacy, Hotel Management, Applied & Life Sciences, mandatory provisions have been made for Industry/Field Internship and Field Visits. Field Visits are organized at least once in a semester for every student to observe the relevant happenings in industry and related exhibitions.

In all B.Tech Programs, a mandatory provision has been made for 16 to 24 weeks Industry Internship as a part of the courses curriculum. All students enrolled in MCA Program have to undergo full semester internship in the 6th semester. All students of BHMCT Program undergo two full semesters of internship in 4th & 8th semesters. Similarly, the students of B.Sc Hospitality have to undergo internship twice for six months each in 3rd & 6th Semesters. Students enrolled in MBA Program have provision of mandatory industrial training of six weeks. Students of BBA/BCom/BSc Programs are also encouraged to undergo summer training. All the students are required to submit a training report after completion of their summer training/internship to earn the credits as per the approved scheme of the program.

File Description	Document
Any additional information	[View Document](#)

1.4 Feedback System

1.4.1 Mechanism is in place to obtain structured feedback on curricula/syllabi from various stakeholders.Structured feedback received from:

1. Students
2. Teachers
3. Employers
4. Alumni
5. Professionals

Response: A. All of the above

File Description	Document
Stakeholder feedback report as stated in the minutes of the Governing Council/Syndicate/ Board of Management	View Document
Sample filled in Structured Feedback forms designed by the institution for each category as claimed in SSR	View Document
Institutional data in prescribed format	View Document

1.4.2 Feedback process of the Institution may be classified as:
Response: A. Feedback collected, analysed and action taken on feedback and relevant documents are made available on the institutional website

File Description	Document
Institutional data in prescribed format	View Document
Any other relevant information	View Document
Action taken report of the University on feedback as stated in the minutes of the Governing Council/ Syndicate/ Board of Management	View Document
URL for stakeholder feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Due consideration is given to equity and inclusiveness by providing reservation of seats to all categories. Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 100

2.1.1.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
2590	2134	2011	1773	1640

2.1.1.2 Number of seats earmarked for reserved categories as per GOI or State Govt. norms year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
2590	2134	2011	1773	1640

File Description	Document
Institutional data in prescribed format	[View Document](#)
Initial reservation of seats for admission	[View Document](#)
Copy of letter issued by state govt. or and Central Government (which-ever applicable) Indicating the reserved categories to be considered as per the GO rule (translated in English)	[View Document](#)
Admission extract submitted to the state OBC, SC and ST cell every year.	[View Document](#)

2.1.2 Student Demand Ratio applicable to programmes where state / central common entrance tests are not conducted

Response: 95:1

2.1.2.1 Number of eligible applications received year-wise during the last five years for programmes where State / Central Common Entrance Tests are not conducted

2019-20	2018-19	2017-18	2016-17	2015-16
48211	51695	48046	33283	31885

2.1.2.2 Number of seats available year-wise/eligible applications received during the last five years where *State / Central Common Entrance Tests are not conducted*

2019-20	2018-19	2017-18	2016-17	2015-16
2289	2186	2808	2124	1800

File Description	Document
The details certified by the Controller of Examination or Registrar evaluation clearly mentioning the programs that are not covered under CET and the number of applications received for the same	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Extract of No. of application received in each program	[View Document](#)
Document relating to Sanction of intake	[View Document](#)

2.1.3 *Student enrollment pattern and student profile demonstrate - national/international spread of enrolled students from other states and countries*

Response: 47:1

2.1.3.1 Number of students from other states and countries year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
4498	3836	3682	3558	3869

2.1.3.2 Total number of students enrolled in that year

2019-20	2018-19	2017-18	2016-17	2015-16
9053	8529	8347	7688	7830

File Description	Document
Previous degree/ Matriculation / HSC certificate from other state or country	View Document
List of students from other states and countries	View Document
Institutional data in prescribed format	View Document
E-copies of admission letters are issued to the students enrolled from other States / Countries.	View Document
Copy of the domicile certificate as part of the from other states and countries and/or Previous degree/Matriculation / HSC certificate from other state or country	View Document

2.2 Catering to Student Diversity

2.2.1 The Institution assesses the learning levels of the students after admission and organises special programmes for advanced learners and slow performers   The Institution:

1. **Adopts measurable criteria to identify low performers.**
2. **Adopts measurable criteria to identify advanced learners**
3. **Organizes special programmes for low performers and advanced learners**
4. **Follows protocols to measure students' achievement**

Response: A. All of the above

File Description	Document
Proforma created to identify slow learners/advanced learners	View Document
Methodology and Criteria for the assessment of Learning levels Details of special programmes	View Document
Institutional data in prescribed format	View Document
Details of outcome measures	View Document
Consolidated report submitted to Dean academics /Dean student's welfare on special programs for advanced learners and slow learners	View Document

2.2.2 Student - Full- time teacher ratio (data of preceding academic year)

Response: 13:1

File Description	Document
List of students enrolled in the preceding academic year	[View Document](#)
List of full time teachers in the preceding academic year in the University (with Designation and Highest Qualification obtained)	[View Document](#)
Institutional data in prescribed format	[View Document](#)

2.3 Teaching- Learning Process

2.3.1 Student-centric methods, are used for enhancing learning experiences by:

- **Experiential learning**
- **Integrated/Inter-disciplinary learning**
- **Participatory learning**
- **Problem-solving methodologies**
- **Self-directed learning**
- **Patient-centric and Evidence-based learning**
- **The Humanities**
- **Project-based learning**
- **Role play**

Response:

Curriculum of various courses have been designed in such a manner that focuses at student-centric learning. Learning-by-doing approach has been adopted by the MM (DU) for its students in order to facilitate their curricular and co-curricular skills. To cultivate students' leadership and organizational learning skills, various student-centric methods are adopted such as seminars, case-studies, field projects, industrial projects, live-case discussions, educational trips, participation in the intra and inter-university curricular and co-curricular programs apart from expert talks, practice-based workshops, experiential learning, brainstorming activities, role plays and group discussions, etc.

As a part of their curriculum, the students are actively involved in the research projects/dissertations in order to develop the innovative ideas and creativity to promote the young scientists. To support such activities, there is a central research lab also. Laboratories are equipped with various types of softwares like ANSYS, PLC, MATLAB, STAAD PRO, etc. Every department/institute is equipped with its own computing resources as well as a departmental library. Apart from curriculum, the institution has a number of centers of excellence which include BOSCH, CISCO, GOOGLE and SAP.

Constituent institutes/departments of the MM (DU) organize various curricular and co-curricular activities for the students to hone their latent skills on a routine basis. Students are also actively involved in organizing the extra-curricular and co-curricular activities through students' committees and council. Some of such committees are sports committee, cultural committee, alumni committee, library committee, etc. Inter-university meet **"UniversuMM"** is organized annually for the students to exhibit their aptitude and talent to imbibe leadership and organizational skills among them as also to inculcate the competitive

spirit among them.

Assignments are an integral part of the teaching-learning process of the students to promote holistic understanding and underpinning of the theoretical and clinical applications. Micro-teaching is also promoted at students' level to foster their confidence to deliver the lectures with the use of appropriate teaching methodology and ICT.

The Department of Humanities organizes special language lab classes for the students of the MM (DU) including the international students to cater to their needs and to acclimatize them to the medium of instruction of the courses run by this Deemed to be University.

Various programmes offered by the MM (DU) use information technology-based teaching platforms like SWAYAM, NPTEL, MOOCs, etc courses blended in their curriculum.

In the case of medical students, regular advanced training programmes and exposure are given to the students at the prestigious medical institutes like PGIMER, Chandigarh in order to satisfy their hunger towards the complexities of the cases and to facilitate further the evidence-based approach in the patient management and likewise for the students of other courses to whom exposure is given to them in their respective areas.

The MM (DU) allows students inter-disciplinary immersion that will equip them to handle a range of skills and roles in their professional and personal life. There are more than seven thousand interdisciplinary courses in different programs.

File Description	Document
Link for list of student-centric methods used for enhancing learning experiences	[View Document](#)

2.3.2 Has provision for the use of Clinical Skills Laboratory and Simulation Based Learning The Institution:

1. **Has Basic Clinical Skills Training Models and Trainers for clinical skills in the relevant disciplines.**
2. **Has advanced patient simulators for simulation-based training**
3. **Has structured programs for training and assessment of students in Clinical Skills Lab / Simulation centre**
4. **Conducts training programs for the faculty in the use of clinical skills lab and simulation methods of teaching-learning**

Response: A. All of the above

File Description	Document
Report on training programmes in Clinical skills lab/simulator Centre	View Document
Proof of patient simulators for simulation-based training	View Document
Proof of Establishment of Clinical Skills Laboratories	View Document
List of clinical skills training modals	View Document
Institutional data in prescribed format	View Document
Geo-tagged photographs of clinical skills lab facilities, clinical skills modals, patients simulators	View Document
Details of training programs conducted and details of participants	View Document
Link for additional information	View Document

2.3.3 Teachers use ICT-enabled tools for effective teaching and learning process, including online e-resources

Response:

MM (DU) has a robust ICT enabled infrastructure to facilitate and provide the students unprecedented opportunities to integrate and enhance their learning by interacting with teachers not only within the MM(DU), but also, from all around the world in a meaningful way to achieve the learning objectives. There are 170 classrooms which are fitted with LCD and WiFi/LAN facilities along with 28 class rooms fitted with smart boards.

Whole of the campus has access to highspeed internet with more than 1 Gbps bandwidth for Internet. Further, MM (DU) has the subscription of the best paid resource materials available on the net to fulfil the needs of all variety of programs and courses. Subscription to Knimbus provides access to more than 5 lakh E-books, 70 thousand+ journals, 1.5 lakhs videos and presentations and 750+ NPTEL courses apart from more than a crore of research articles from multiple specialities. Facilities for accessing these resources from anywhere are given to both the students and faculty. Additionally, the library is equipped with more than 1.8 lakh e-books provided by EBSCO Information Services.

To keep the students of medical fraternity abreast with the fast-changing guidelines in the medical field, MM (DU) has access to OVID medical database which provides the best evidence based and latest medical literature from all over the world.

Regular training sessions, guest lectures and skill development sessions are organised at MM(DU) using the expertise of resource persons from both within and outside the institutions to upgrade the skills of the teachers and optimum use of the ICT resources for better teaching and learning. The faculty members effectively utilize Audio Visual aids to demonstrate the concepts to the students using the resources from

National Programme on Technology Enhanced Learning (NPTEL) and SWAYAM to enhance the learning experience.

There is a media and audio-visual centre for the development of e-content with a lecture capturing system. MM (DU) has developed a library of presentations on various topics which is regularly updated. These Presentations, videos and list of other online teaching material are made available to both the teachers and students for ready reference or self- study. The faculty members of CSE department have been using Moodle platform for teaching and evaluation. Recently due to the COVID situation, all the teachers have been taking online classes through Microsoft team platform.

The MM Institute of Medical Sciences and Research has a robust Hospital information system which records all the data of the patients admitted in the Hospital. The MM(DU) has proprietary software worth nearly Rs. Four crores including Microsoft volume license, MATLAB 7.0, Labview, University Management Suite, Pro-Engineer CAD/CAM/CAR, PSCADX4, HIS, LIS, DMS, PAC, SAP SITE, Google Chrome, etc. in addition to the open-source software.

File Description	Document	
Link for list of teachers using ICT-tools	View Document	
Link of the details of ICT-enabled tools used for teaching and learning	View Document	

2.3.4 Student :Mentor Ratio (preceding academic year)

Response: 13:1

2.3.4.1 Total number of mentors in the preceding academic year

Response: 675

File Description	Document
Records of mentors-mentee meetings.	View Document
Log Book of mentors	View Document
Institutional data in prescribed format	View Document
Copy of circular pertaining to the details of mentor and their allotted mentees	View Document
Approved Mentor list as announced by the HEI	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 100

File Description	Document
Year-wise list of fulltime teachers and sanctioned posts for the last 5 years (Certified by the Head of the Institution)	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Faculty position sanction letters by the competent authority	[View Document](#)
Appointment letters of faculty during last five years	[View Document](#)

2.4.2 Average percentage of fulltime teachers with Ph.D./D.Sc./D.Lit./ DM/M Ch/DNB in super specialities /other PG degrees (like MD/ MS/ MDS etc.,) in Health Sciences for recognition as Ph.D guides as per the eligibility criteria stipulated by the Regulatory Councils / Universities during the last five years

Response: 65.1

2.4.2.1 Number of fulltime teachers with Ph.D/D.Sc./D.Lit./DM/M Ch/DNB in super specialities / other PG degrees (like MD/ MS/ MDS etc.,) in Health Sciences for recognition as Ph.D guides as per the eligibility criteria stipulated by the Regulatory Councils. Last five years data to be entered.

2019-20	2018-19	2017-18	2016-17	2015-16
455	481	462	432	417

File Description	Document
List of fulltime teachers with Ph.D/D.Sc./D.Lit./DM/M Ch/DNB in super specialities / other PG degrees (like MD/ MS/ MDS etc.,) in Health Sciences for recognition as Ph.D guides as per the eligibility criteria stipulated by the Regulatory Councils and the	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Copies of Guide-ship letters or authorization of research guide provide by the competent authority	[View Document](#)

2.4.3 Average teaching experience of fulltime teachers in number of years (preceding academic year)

Response: 12.1

2.4.3.1 Total teaching experience of fulltime teachers in number of years (cumulative experience)

Response: 8481.47

File Description	Document
List of full-time teachers for the preceding academic year with their designation, department and number of years of teaching experience	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Experience certificate of full time teacher	[View Document](#)

2.4.4 Average percentage of teachers trained for development and delivery of e-contents / e-courses / video lectures / demonstrations during the last 5 years.

Response: 52.84

2.4.4.1 Number of teachers trained for development and delivery of e-contents / e-courses / video lectures / demonstrations during the last 5 years

2019-20	2018-19	2017-18	2016-17	2015-16
585	232	211	606	170

File Description	Document
Reports of the e-training programmes	[View Document](#)
List of teachers trained for development and delivery of e-contents / e-courses / video lectures / demonstrations during the last 5 years	[View Document](#)
List of e-contents / e courses / video lectures / demonstrations developed	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Certificate of completion of training for development of and delivery of e-contents / e-courses / video lectures / demonstrations	[View Document](#)
Web-link to the contents delivered by the faculty hosted in the HEI's website	[View Document](#)

2.4.5 Average percentage of fulltime teachers who received awards and recognitions for excellence in teaching, student mentoring, scholarships, professional achievements and academic leadership at

State, National, International levels from Government / Government-recognized agencies / registered professional associations / academics during the last five years

Response: 4.94

2.4.5.1 Number of fulltime teachers who received awards and recognitions for excellence in teaching and student mentoring, scholarships, professional achievements and academic leadership at State, National, International levels from Government / Government-recognized agencies / registered professional associations */ academies* during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
61	49	15	31	15

File Description	Document
Institutional data in prescribed format	[View Document](#)
Certified e-copies of award letters (scanned or soft copy)	[View Document](#)

2.5 Evaluation Process and Reforms

2.5.1 Average number of days from the date of last semester-end/ year- end examination to the date of declaration of results during the last five years

Response: 11.2

2.5.1.1 Number of days from the date of last semester-end/ year- end examination to the date of declaration of results year-wise in that year and during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
11	11	11	11	12

File Description	Document
Reports from Controller of Exam (COE) office/ Annual reports mentioning the relevant details.	[View Document](#)
List of programmes and dates of last semester-end/year-end examinations and the dates of declaration of results	[View Document](#)
Institutional data in prescribed format	[View Document](#)

2.5.2 Average percentage of student complaints/grievances about evaluation against total number of students appeared in the examinations during the last five years

Response: 1.22

2.5.2.1 Number of student complaints/grievances received about evaluation year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
7	77	94	119	148

2.5.2.2 Number of students who have appeared for the exams year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
7972	7683	7617	7076	7098

File Description	Document
Reports of Examination Sections	[View Document](#)
Minutes of the grievance cell / relevant body	[View Document](#)
List of complaints / grievances year-wise during the last 5 years	[View Document](#)
Institutional data in prescribed format	[View Document](#)

2.5.3 Evaluation-related Grievance Redressal mechanism followed by the Institution: ... The University adopts the following mechanism for the redressal of evaluation-related grievances. Options(Opt one which is applicable to you):

1. **Double valuation/Multiple valuation with appeal process for retotalling/revaluation and access to answer script**
2. **Double Valuation/Multiple valuation with appeal process for revaluation only**
3. **Double Valuation/Multiple valuation with appeal process for retotalling only**
4. **Single valuation and appeal process for revaluation**
5. **Grievance Redressal mechanism does not exist**

Response: A. Double valuation/Multiple valuation with appeal process for retotalling/revaluation and access to answer script

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File Description	Document
Report of the Controller of Examination/ registrar evaluation regarding the Grievance Redressal mechanism followed by the Institution	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Provide links to the examination procedure and re-evaluation procedure developed by the institution and duly hosted in the institution's website	[View Document](#)

2.5.4 Reforms in the process and procedure in the conduct of evaluation/examination; including Continuous Internal Assessment to improve the examination system.

Response:

Main objective of examination reforms is to improve the transparency in the evaluation process by ensuring the reliability and secrecy in the entire Process. Following measures have been taken during last five years in our examination system:

Setting of question papers: For Technical and Management programs, the question paper is designed in a manner keeping in view the slow and fast learners, where short answer type questions of 1 and 2 marks are also included in the question paper.

Ph.D. evaluation: Ph.D. theses are evaluated by two examiners selected by the Vice-Chancellor from the panel recommended by the concerned BOS, one of whom should be from Foreign University/Research Lab. The institution deemed to be university has an agreement with INFLIBNET for depository of the Thesis on "Shodhganga".

Security features in Degrees/DMCs: Degrees are got printed on tearless paper with following new security features introduced in the Degrees/DMCs of the MM(DU):

- Copy Void Features
- Security Design
- Microline
- Transparent Printing
- Sr. No. Printing
- Invisible Printing
- Ghost Image
- Florescent Colour
- Non Copy-able Security Border
- Non tear-able paper (PTM 350 GSM)
- QR Code
- Barcode
- Printed Water Mark

Uploading DMCs and Degrees on NAD portal: The MM(DU) has signed MoU with CDSL in March,

2018 and accordingly all the DMCs and final Degrees are now being uploaded on the NAD portal. So far, approximately - 3583 documents have been uploaded on the said portal.

Continuous evaluation conducted at department level: For all programs, the mid-term tests are also conducted on the pattern of end-term examination by preparing the date sheet and setting up of examination centres. The evaluated sheets are shown to students for their satisfaction.

On–demand examination: MM(DU) conducts regularly the special examinations for both even and odd semesters and also provides the additional chance for examination on the request of students as per the provisions of the ordinances.

Technology Adoption: CCTV cameras have been fitted in the examination hall of the MM(DU) where most of the examinations are conducted during the year.

Automation: Examination Branch is completely automated in terms of

- Examination Form Open/Close
- Student Exam Form Filling Through Student Login
- Examination Form Summary
- Exam Master
- Exam Center Master
- Exam Center Allocation
- Hall Master
- Hall Creation
- Hall Allotment
- Attendance Sheet
- Create Time Table
- Examination Form Approval
- Date Sheet Generation
- Admit Card
- Raba Report
- Secrecy Code Generation
- Student Marks Filling with Secrecy code
- Result Processing

Other reforms: OSCE and OSPE have been introduced in several departments of medical Sciences. OSCE is being used to provide formative feedback in several departments. The MM(DU) also encourages use of OSCE in assessment. Competency – based assessment is followed in medical college as well as in technical colleges in terms of Seminar, Quizzes and Moot court. Workplace based assessment is followed in Medical, Dental, Nursing, Hotel Management and in Engineering college of MM(DU).

File Description	Document
Any additional information	[View Document](#)
Link for details of examination reforms implemented during the last 5 years	[View Document](#)

2.5.5 Status of automation of the Examination division, using Examination Management System (EMS) along with an approved online Examination Manual

1. Complete automation of entire division & implementation of the Examination Management System (EMS)
2. Student registration, hall ticket issue & result processing
3. Student registration and result processing
4. Result processing
5. Manual methodology

Response: All of the above

File Description	Document
The present status of automation., Invoice of the software, & screenshots of software	[View Document](#)
Snap shot of the EMS used by the institution	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Copies of the purchase order of the software/AMC of the software	[View Document](#)
Annual report of examination including present status of automation as approved by BOM / Syndicate / Governing Council	[View Document](#)

2.6 Student Performance and Learning Outcomes

2.6.1 The institution has stated learning outcomes /graduate attributes as per the provision of Regulatory bodies which are integrated into the assessment process and widely publicized through the website and other documents

Response:

The curricular philosophy of the Institute is realized by defining programme/course specific outcomes and learning outcomes that bring out the desired competencies expected in programme with the aim to have defined benefits to various stakeholders. Each program has identified well-defined Program Educational Objectives (PEO) which are reflected in the Program Outcomes (PO) and Program Specific Outcomes (PSO) which in turn are reflected in the course outcomes of curriculum of each course. For the programs which fall under various regulatory bodies like AICTE, MCI, DCI, PCI, INC, BCI etc., the outcomes are mapped with the outcomes identified by the respective body. In respect of other programs, the guidelines issued by UGC are followed.

Learning outcomes: Learning outcomes are concise and clearly stated, specific enough to be observable and measurable and thus capable of being assessed. At one end, the outcomes are broad enough so as not to limit flexibility in achieving and at the same time, they are realistic enough according to available time and

resources. The learning outcomes are widely publicized through the course outcomes of each course at the website of the institution Deemed to be University.

Assessment plan: The constituent Institutes of the MM(DU) adopt direct and indirect measures to map the achievements of learning outcomes. Semester-wise progress is mapped through the curriculum to explore curriculum flow, course sequencing, required elective courses to identify a balanced student experience over the duration of the program. Direct assessment methods such as comprehensive examination, pre-/post-tests, case studies, and oral presentation tools are used to assess the learning outcomes. Indirect assessment includes but is not limited to course evaluations, student, alumni, faculty or employer surveys, stakeholder focus groups, enrollment or retention rates, job placement rates. Departmental subject experts collect, analyze and interpret evidence according to the assessment plan to identify gaps, redundancies, and use it as new opportunities for curriculum improvement. As assessment report is collected, analyzed and interpreted, faculty and curriculum committees are able to articulate the strengths of the program, understand where and why it is succeeding and leverage its strengths in the improvement process; identify gaps, redundancies and challenges in the curriculum; identify more and less effective educational experiences and assessment strategies; take action to improve student learning. Further, the curricular teaching and learning methodologies adopted in the MM(DU) ensure that the students achieve the necessary knowledge, hands on experience, attitude and ethics to enter the professional world and be self-motivated and lifelong learners.

File Description	Document
Link for relevant documents pertaining to learning outcomes and graduate attributes	[View Document](#)
Link for methods of the assessment of learning outcomes and graduate attributes	[View Document](#)

2.6.2 Incremental performance in Pass percentage of final year students during last five years

Response: 86.36

2.6.2.1 Number of final year students of all the programmes, who qualified in the university examinations in each of the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
2023	1997	1817	1977	1763

2.6.2.2 Number of final year students of all the programmes, who appeared for the examinations in each of the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
2170	2177	2084	2250	2091

File Description	Document
Trend analysis in graphic form (Refer annexure 02 of SOP)	View Document
List of Programmes and the number of students appeared and the number of students passed in the final year examination each year for the last five years	View Document
Institutional data in prescribed format	View Document
Annual reports of examination results as placed before BOM/ Syndicate/ Governing Council for the last five years	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.78

Criterion 3 - Research, Innovations and Extension

3.1 Promotion of Research and Facilities

3.1.1 The institution has a well defined Research promotion policy and the same is uploaded on the institutional website

Response:

Yes, MM (DU) has a well-defined Research Promotion Policy (RPP) and the same is uploaded on our website. The Research Promotion Policy document gives information on the policy and the promotional activities of this Deemed to be University which is guided and monitored by the Research Promotion Team constituted under the RPP comprising of members from different Institutes, who have significant research credentials in terms of publications and citations. MM (DU) has earmarked 2.5% of the total tuition fees for research.

Objectives

The broad objectives of the Research Promotion Policy of the MM (DU) is to formulate a road map to achieve excellence in research, create a population of highly trained research personnel and develop a strong research culture with integrity and scientific ethics.

Specific objectives are as follows

- To create an excellent research infrastructure by both intra-mural as well as extra-mural support.
- To develop the culture of collaborative (inter-disciplinary/multi-disciplinary) research.
- To develop collaboration with other public-funded universities, research institutes and foreign universities in research.
- To publish Research papers in indexed (Scopus/ WoS/ Pubmed) and high impact-factor journals
- To file patents and transfer technologies to relevant industries/institutions
- To obtain extra-mural research funding from Government Funding Agencies like DST, DBT, ICMR, CSIR, DRDO etc.
- To encourage industrial collaborations involving active and mutually beneficial R&D projects
- To create full-time appointed research cadre.

In order to motivate the Faculty and the students of the MM(DU), the RPP has inbuilt provisions to provide for incentives in different forms and confer Best Researcher Awards. In order to facilitate the faculty and the students in research, Central Research Labs have been set up with investment of crores of rupees.

The Research Promotion Team advises the faculty to achieve the said objectives. The team also organizes meetings with scientists from different organizations to apprise the young faculty members of the funding opportunities from Government sources. The targets that we have achieved so far are as follows:

1. A huge intra-mural funding has been utilized to purchase high-end research equipments and to create an excellent infrastructural facility in the Central Instrumentation Laboratory (CIL) and Central Research Labs with an investment of crores of rupees.
2. Seed money for start-up research for all the faculty members has been provided.
3. Financial incentives are being provided to the faculty members for obtaining extra-mural funding

and also for publications in indexed and good impact-factor journals.

4. Financial and administrative support is given for participating in national and international conferences

5. Substantial funding support is given for organizing international and national conferences by different departments/Institutes.

6. Incubation centers have been set up for students.

7. Financial assistance is provided to file patents/copyrights for their innovative ideas/products.

The MM (DU) has also signed Memorandum of Agreement with National Research and Development Corporation (NRDC) for commercialization of the technologies developed by the inventors of MM (DU) to the interested entrepreneurs and industries as per mutual agreed terms and conditions.

File Description	Document
Minutes of the meetings of Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View Document
Document on Research promotion policy	View Document

3.1.2 The institution provides seed money to its teachers for research (average per year)

Response: 20.16

3.1.2.1 The amount of seed money provided by institution to its faculty year-wise during the last five years(INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
63.1	10.7	11.7	9.0	6.3

File Description	Document
List of teachers receiving seed money and details of seed money received	View Document
Institutional data in prescribed format	View Document
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized (Refer annexure number -01)	View Document

3.1.3 Average Percentage of teachers awarded national/ international fellowship / Financial support for advanced studies/collaborative research participation in Indian and Overseas Institutions during the last five years

Response: 28.42

3.1.3.1 Number of teachers awarded national/ international fellowship / Financial support for advanced studies/collaborative research and conference participation in Indian and Overseas Institutions year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
304	203	180	166	131

File Description	Document
List of teachers and their national/international fellowship details	[View Document]
Certified e-copies of the award / recognition letters of the teachers	[View Document]

3.1.4 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates, other research fellows in the university enrolled during the last five years

Response: 173

3.1.4.1 The Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows in the university enrolled year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
92	26	18	20	17

File Description	Document
Registration and guide / mentor allocation by the institution	[View Document]
List of research fellows and their fellowship details	[View Document]
Institutional data in prescribed format	[View Document]
E copies of fellowship award letters	[View Document]

3.1.5 University has the following facilities

1. **Central Research Laboratory / Central Research Facility**

2. **Animal House/ Medicinal Plant Garden / Museum**
3. **Media laboratory/Business Lab/e-resource Studios**
4. **Research/Statistical Databases/Health Informatics**
5. **Clinical Trial Centre**

Response: All of the above

File Description	Document
List of facilities available in the university and their year of establishment	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)
Videos and geo-tagged photographs	[View Document](#)

3.1.6 *Percentage of departments with recognition by* **ICMR-CAR, DST-FIST, DBT, MCI, DCI, PCI, AICTE, AYUSH, NACO, WHO***, NIH etc. and other similar recognitions by national and international agencies,* **(excluding mandatory recognitions by Regulatory Councils for UG /PG programmes)**

Response: 19.64

3.1.6.1 The Number of departments with recognition by ICMR-CAR, DST-FIST, DBT, MCI, DCI, PCI, AICTE, AYUSH, NACO, WHO, NIH etc. and other similar recognitions by national and international agencies

2019-20	2018-19	2017-18	2016-17	2015-16
2	2	3	2	2

3.1.6.2 Number of departments offering academic programmes year - wise during last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
12	11	11	11	11

File Description	Document
Institutional data in prescribed format	View Document
e-version of departmental recognition award letters	View Document
Details of the departments offering academic programmes certified by the head of the Institution /University	View Document

3.2 Resource Mobilization for Research

3.2.1 Total Grants for research projects / clinical trials sponsored by non-government sources such as industry, corporate houses, international bodies, endowments, professional associations, endowment-Chairs etc., in the Institution during the last five years

Response: 210

3.2.1.1 Grants for research projects sponsored by non-government sources such as industry, corporate houses, international bodies, endowments, professional associations, endowment-Chairs in the institution year-wise during the last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
72	29	106	3	0

File Description	Document
Institutional data in prescribed format	View Document
e-copies of the grant award letters for research projects sponsored by non-government organizations	View Document
Any other relevant information	View Document

3.2.2 Grants for research projects/clinical research project sponsored by the government funding agencies during the last five years

Response: 102

3.2.2.1 Grants for research projects/clinical trials sponsored by government sources year-wise during the last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
28	13	3	13	45

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File Description	Document
Institutional data in prescribed format	View Document
E-copies of the grant award letters for research projects sponsored by government agencies	View Document

3.2.3 Ratio of research projects/clinical trials per teacher funded by government/industries and non-government agencies during the last five years.

Response: 2:1

3.2.3.1 Number of research projects/clinical trials funded by government/industries and non-government agencies year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
116	117	432	275	273

File Description	Document
Institutional data in prescribed format	View Document
Copy of the letter indicating the sanction of research project funded by govt./non-govt agency and industry including details of name of teacher and amount in INR	View Document

3.3 Innovation Ecosystem

3.3.1 Institution has created an ecosystem for innovations and entrepreneurship with an Incubation centre, entrepreneurship cell

Response:

MM (DU) actively supports innovation and other initiatives for generation and transfer of knowledge. The management encourages both faculty members and students to carry out research projects which give solutions to several industrial and societal problems.

Campus Business Park

Campus Business Park (CBP) is created to support the success of young entrepreneurs by providing them access to MM(DU) infrastructure, resources and student talent. Entrepreneurs already working on innovative ideas are provided fully functional infrastructure, where they can scale up without increasing

their operational risks.

Business Incubation Centre

Incubation Centre is a platform in which we are committed to provide all the facilities required for the startup communities. Our incubation center is open for all of our students as well as faculty members. They get the facility of state-of-the-art labs, computer labs and instant mentoring support from our well educated and experienced faculty. At our incubation center, we are providing mentoring support to all incubates in terms of identification of opportunities, brain storming, prototyping, making products and commercialization.

Center of Excellence

MM (DU) is having various Centres of Excellence like BOSCH, GOOGLE and SAP etc. with aims to bridge the gap between industry and academia by incorporating global industrial practice and technologies into the academic curriculum. Students get an exposure into the world class infrastructure with state-of-the-art technologies, equipment, training kits, hardware, software and teaching aids with excellent faculty trained by industry experts.

MM (DU) also provides proper support and guidance to the faculty members and the students who are having innovative ideas and creative bent of mind. The faculty members and students are encouraged to file patents/copyrights regularly for which the filing cost is borne by MM (DU). Further, under Research Promotion Policy of MM (DU), various incentives are given to the faculty and students which also includes publication charges of research paper, seed money, research awards to faculty and students, etc. Nearly Rs. One crore has been granted to Faculty members as seed money in last five years. Faculty members who are sanctioned research project from some funding agencies, also get slab-based incentive in the form of cash. Similarly, on transfer of technology, there is a provision to share a part of the earning with the concerned staff member. The MM (DU) has also signed Memorandum of Agreement with National Research and Development Corporation (NRDC) for commercialization of the technologies developed by the inventors of MM (DU) to the interested entrepreneurs and industries as per mutual agreed terms and conditions.

As a result of these initiatives, a total of **219** patents and copyrights have been filed, out of which **85** patents have been published and **12 patents** have been awarded during last five years. Further, **72** copyrights have also been awarded during this period. So far, total patents and copyrights awarded to the faculty of the MM(DU) comes to **18** and **81** respectively.

File Description	Document
Link for additional information	View Document
Geo-tag the facilities and innovations made	View Document

3.3.2 Workshops/seminars conducted on Intellectual Property Rights (IPR) Research methodology, Good clinical Practice, Laboratory, Pharmacy and Collection practices, Research Grant writing and Industry-Academia Collaborations during the last five years

Response:

Apart from regularly organizing various academic programs in different areas, the MM(DU) has conducted a number of seminars/ conferences/ workshops, etc. on Intellectual Property Rights (IPR) and Research Methodology in addition to taking initiatives for organizing programs on Good clinical and Professional Practices, Research Grant writing and Industry-Academia Collaborations.

In order to accomplish this objective, the constituent institutes have organized a number of Seminar/Workshops/Guest Lectures in last five years where 783 Faculty and students participated. The MM (DU) has also signed a Memorandum of Agreement with National Research and Development Corporation (NRDC) for commercialization of the technologies developed by the inventors of MM (DU) to the interested entrepreneurs and industries as per mutually agreed terms and conditions. As a result of these initiatives, a total of **169** patents and copyrights have been filed, out of which **85** patents have been published and **12 patents** have been awarded during last five years. Further, **72** copyrights have also been awarded during this period.

The Ph.D Course work of a duration of one semester includes courses on research methodology, quantitative methods, computer applications, Research and Publication Ethics and review of published research in the relevant field. During the last five years, five batches of PhD course work have been organized by the MM (DU) in which 275 PhD Research Scholars have been benefitted. Apart from this, A total of ten programs were organized on Research Methodology/Writing Research Proposal to undertake quality research work while considering appropriate research methodology in which nearly 500 researchers/Faculty members have been benefitted including 50 students. The MM(DU) faculty has been able to get more than Rs. Three crores as research grant from Govt./Non Govt. sources.

In order to provide quality healthcare to society, in the last five years 13 programs were conducted on Good Clinical Practices and Good Laboratory Practices to train and induct healthcare professionals and students across all healthcare and other disciplines of MM(DU) which have benefitted more than 1500 participants including nearly 700 students. Further, five programs were also conducted on good pharmacy and professional practices with the sole motive of providing training and orientation to the Faculty and the students which witnessed nearly 400 participants.

Several industry-academia programs have been conducted from which a nearly 2000 participants have been benefitted. A National Level Vendor Development Program-cum-industrial exhibition on Pharmaceuticals, Hospital equipments and allied products was organized in association with the Ministry of Small and Medium Scale Industry (MSME, Karnal) in which over 50 industrial suppliers participated.

A number of MoUs have been signed with industries from technical, law and health care sector. MM(DU) has also organized more than 20 programs on skill development during the last five years in which a large number of students got benefited and it helped them in enhancing their skills.

File Description	Document
Link for list of workshops/seminars on the above during the last 5 years	[View Document](#)
Link of the reports of the events	[View Document](#)

3.3.3 Total number of awards / recognitions received for innovation / discoveries by the institution/teachers/research scholars/students during the last five years

Response: 29

3.3.3.1 Number of awards/recognitions received by the Institution/teachers/research scholars/students year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
16	6	2	3	2

File Description	Document
List of teachers who have received awards and recognition for innovation and discoveries	[View Document](#)
List of teachers and details of the national/international fellowships awarded	[View Document](#)
Institutional data in prescribed format	[View Document](#)
E-Copies of award letters (scanned or soft copy) for innovations with details of the awardee the and awarding agency	[View Document](#)

3.3.4 Number of start-ups incubated on campus during the last five years

Response: 15

3.3.4.1 Total number of start-ups incubated on campus year-wise during the last five years (a startup to be counted only once)

2019-20	2018-19	2017-18	2016-17	2015-16
2	1	5	6	1

File Description	Document
Registration letter	
Institutional data in prescribed format	
Contact details of the promoters	
Certified e- sanction order for the start-ups on campus	

3.4 Research Publications and Awards

3.4.1 The Institution has a stated Code of Ethics for research, the implementation of which is ensured by the following:

1. **Research methodology with course on research ethics**
2. **Ethics committee**
3. **Plagiarism check**
4. **Committe on Publication guidelines**

Response: All of the above

File Description	Document
Minutes of meetings of the relevant committees with reference to the code of ethics	
Institutional data in prescribed format	
Institutional code of Ethics document	
Details of committee on publication guidelines	
Course content of research ethics and details of members of ethical committee	
Copy of software procurement for plagiarism check	

3.4.2 The Institution provides incentives for teachers who receive state, national or international recognitions/awards.. Option 1. Career Advancement
2. Salary increment
3. Recognition by Institutional website notification
4.Commendation certificate with cash award

Response: A. All of the above

File Description	Document
Snapshots of recognition of notification in the HEI's website	[View Document](#)
Policy on salary increment for the awardees	[View Document](#)
Policy on Career advancement for the awardees	[View Document](#)
List of the awardees and list of awarding agencies and year with contact details for the last 5 years	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Copy of commendation certificate and receipt of cash award	[View Document](#)
Any additional information	[View Document](#)
Incentive details (link to the appropriate details on the Institutional website)	[View Document](#)

3.4.3 Total number of Patents/ Copyrights published/awarded/technology-transferred during the last five years..

Response: 169

3.4.3.1 Number of Patents/ Copyrights published/awarded/ technology-transferred year-wise during the last five years..

2019-20	2018-19	2017-18	2016-17	2015-16
82	23	34	18	12

File Description	Document
Technology transfer document	[View Document](#)
List of patents/Copyrights and the year they were published/awarded	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Certified E- copies of the letters of award/ publications (consolidated statements by the head of the institution)	[View Document](#)

3.4.4 Average number of Ph.D/ DM/ M Ch/ PG Degree in the respective disciplines received per recognized PG teacher of the Institution during the last five years.

Response: 0.94

3.4.4.1 Number of Ph.D.s /DM/M Ch/PG degree in the respective disciplines awarded per recognized PG teacher of the Institution year-wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
248	260	308	273	146

3.4.4.2 Number of PG teachers recognized as guides by the Regulatory Bodies / Universities during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
271	258	265	250	268

File Description	Document
Recognition letters by the University as eligible teachers to guide Ph D / DM / M Ch students	[View Document](#)
List of PhD / DM / M Ch candidates with details like name of the guide, title of the thesis, year of award, award letter etc	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Link for research page in the institutional website	[View Document](#)

3.4.5 Average Number of research papers per teacher in the approved list of Journals in Scopus / Web of Science/ PubMed during the last five calendar years

Response: 4.37

File Description	Document
Names of the indexing databases	[View Document](#)
Institutional Data in prescribed format	[View Document](#)

3.4.6 Average Number of research papers per teacher in the approved list of Journals notified in UGC-CARE list during the last five calendar years

Response: 0.02

File Description	Document
Names of the indexing databases	View Document
Institutional data in prescribed format	View Document

3.4.7 Total Number of books/ chapters in edited volumes and papers in National/International conference-proceedings published per teacher and indexed in Scopus/Web of Science/ PubMed UGC-CARE list during the last five calendar years

Response: 0.09

File Description	Document
List of names of publishers : National/ International	View Document
Institutional data in prescribed format	View Document

3.4.8 Bibliometrics of the publications during the last five calendar years based on average Citation Index in Scopus/ Web of Science

Response: 5.37

File Description	Document
List of the publications during the last five years	View Document
Institutional data in prescribed format	View Document

3.4.9 Provide Scopus/ Web of Science – h-index of the Institution for the last 5 calendar years.

Response: 33.5

File Description	Document
Institutional data in prescribed format	View Document
Bibiliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View Document

3.5 Consultancy

3.5.1 Institution has a policy on IPR and consultancy including revenue sharing between the Institution and the individual, besides a training cum capacity building programme for teachers, students and staff for undertaking consultancy

Response:

MM(DU) is having a well-defined policy to motivate faculty members and researchers to undertake

consultancy initiatives, research innovations, transfer of technology, and get appropriate share from revenue/income raised from such activities. The research policy implemented by MM(DU) with the approval of the BOM has a clear mention of revenue sharing between institution and individual as described below:

PATENTS/COPYRIGHT: The cost of filing Patent/Copyright by faculty member(s) is borne by this Deemed to be University with the stipulation that faculty member(s) shall be considered as Author(s) and MM(DU) shall be considered as Owner. In case of Technology Transfer for commercial purpose, the royalty earned is shared between MM(DU) and Inventor(s) on pre and mutually agreed terms and conditions with Inventor(s)' share not exceeding 50% with the condition that the entire cost for development of patent will be borne by the MM(DU). The MM (DU) has also signed MOA with National Research and Development Corporation (NRDC) for commercialization of the technologies developed by the inventors of MM(DU) as per mutual agreed terms and conditions. As a result of these initiatives, a total of **169** patents and copyrights have been filed, out of which **85** patents have been published and **12 patents** have been awarded during last five years. Further, **72** copyrights have also been awarded during this period.

CONSULTANCY: Well-defined consultancy rules are there for sharing of revenue raised from consultancy. After obtaining the formal permission from Head of the Institution/Department, the Principal Investigator raises the advance bill for the job, if required. The amount claimed in the bill for consultancy/testing charges is collected in the form of a bank draft/cheque in the name of the concerned Institution payable at Mullana (Ambala) or in cash under proper receipt. The revenue raised is shared between MM(DU) and Researchers and others in 30:70 ratio out of net benefit. The net benefit is calculated as under:

Amount received - Service Tax (GST) - Expenditures = Net Benefit

Expenses for the office staff is to be @18% of the net benefit (out of 70%), which includes 10% for the Head of Institution/ Department, 01% for Departmental Clerk, 02% to Lab Technician in the concerned lab undertaking the consultancy, 01% for each of the other Lab Technician (subject to maximum 04%) and 01% for Departmental Peons (Equal distribution among all the peons).

The facilities available for undertaking research/consultancy is available on MM (DU) website to publicize among concerned industries/clients. So far Faculty and students have undertaken more than 1100 consultancy projects and total revenue generated out of consultancy work is to the tune of Rs. Four crores.

In order to train the faculty and students about IPR, the constituent institutes have organized special Seminars/ Workshops/ Guest Lectures in last five years where nearly 400 Faculty and students participated.

File Description	Document
Link for additional information	[View Document](#)
Link to the soft copy of the IPR and Consultancy Policy	[View Document](#)
List of the training / capacity building programmes conducted during the last 5 years.	[View Document](#)

3.5.2 Revenue generated from advisory / R&D /consultancy projects (exclude patients consultancy) including Clinical trials during the last five years

Response: 420

3.5.2.1 Amount generated from consultancy year-wise during the last five years (INR in lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
103	107	139	19	52

File Description	Document
List of consultants and details of revenue generated by them	[View Document](#)
Institutional data in prescribed format	[View Document](#)
CA certified copy/Finance Officer Certified copy attested by head of the institute (Refer annexure number -01)	[View Document](#)
Link for additional information	[View Document](#)

3.6 Extension Activities

3.6.1 Extension and outreach activities such as community Health Education, Community health camps, Tele-conferences, Tele-Medicine consultancy etc., are conducted in collaboration with industry, community, Government and non- Government Organizations engaging NSS/NCC/Red cross/YRC, institutional clubs etc., during the last five years

Response: 818

3.6.1.1 Number of extension and outreach activities conducted in collaboration with industry, community Government and Non-Government Organisations engaging NSS/NCC/Red cross/YRC, institutional clubs etc., year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
152	136	144	190	196

File Description	Document
Photographs or any supporting document in relevance	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Detailed program report for each extension and outreach program should be made available, with specific mention of number of students and collaborating agency participated	[View Document](#)
Description of participation by NSS/NCC/Red cross/YRC, Institutional clubs etc., year-wise for the last 5 years	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

3.6.2 Average percentage of students participating in extension and outreach activities beyond the curricular requirement as stated at 3.6.1

Response: 62.05

3.6.2.1 Number of students participating in extension and outreach activities beyond the curricular requirement as stated at 3.6.1, year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
5975	4076	3952	5267	6311

File Description	Document
Reports of the events organized	[View Document](#)
Link for additional information	[View Document](#)

3.6.3 Number of awards and recognition received for extension and outreach activities from Government / other recognised bodies during the last five years

Response:

The community departments of Medical and Dental Institutes are regularly reaching out to the local community by organizing health check-up and awareness camps. Similarly, the nursing, pharmacy and physiotherapy students also take part in awareness camps organized for the nearby areas. Legal Aid camps are also organized by the Department of Law.

The NSS Units organize Blood Donation Camps regularly in collaboration with the **Indian Red Cross Society, Ambala.** Apart from cleanliness drive under **Swachh Bharat Abhiyan** organized by the NSS in nearby villages, the Units also annually organize seven Days & Nights social camps in the nearby adopted villages such as **Sohana, Sarakpur, Simbla, Holi and Bhudian.** The activities undertaken during these camps include:

- Painting, Drawing, Acting, Dancing, etc. to depict social issues for small children
- Physical activities such as Yoga, Sports, Games, etc. for Middle School students. They are also taught to express their views in the form of Essays, Poetries, etc.
- The adults who are not literate are trained to sign.
- Sewing, Embroidery, Tailoring, etc. for Women
- Awareness about old age health issues such as Blood Pressure, Blood Sugar, joint pains, etc.
- Awareness about correct use of Pesticides, Insecticides, Fertilizers, etc. for farmers
- Awareness about Government initiated Schemes such as Swachh Bharat Mission, Beti Bachao Beti Padhao, Nasha Mukt Bharat, etc.
- Cleanliness drive in the village by the student volunteers.
- Awareness about renewable sources of energy such as Solar Energy, Bio-gas plant, etc.

Additionally, a Door-to-Door Survey was also conducted as per Unnat Bharat Abhiyan (UBA) mandate, regarding concurrent issues and population survey such as number of females educated, number of girls, who left school mid-way and their reasons for leaving the school, number of elderly persons, etc. and the data collected was uploaded on the UBA portal.

During the last five years, the MM(DU) has organized more than 800 extension and outreach activities with the participation of more than 20000 students and 3000 teachers of the institutions of Medical Sciences, Dental Sciences, Physiotherapy, Nursing, Pharmacy, Law, etc., which have benefitted nearly 70000 patients and other residents of surrounding rural region. Although we are not expecting any awards for the services rendered by our staff and students in the rural region, following awards/ appreciations have been received from various Village Bodies:

Name of the activity	Nature of the recognition	Name of the awarding government agency/ other recognised body	Year of the award
Social Camp at Village	Appreciation letter	Gram Panchayat, Sohana	2018
Social Camp at Village	Appreciation letter	Gram Panchayat, Sarakpur	2019
Social Camp at Village	Appreciation letter	Gram Panchayat, Sohana	2019

The **Blood Bank, Civil Hospital** and **Rotary Club, Ambala City** have also acknowledged the efforts of the MM(DU) with its staff and students for promoting the spirit of blood donation. Further, Dr. L. N. Garg, Incharge of COVID hospital established at MM (DU) Campus, Mullana has been awarded the **Corona Warrior Award** from **Haryana Medical Council** for the outstanding contribution.

File Description	Document
Link for number of awards for extension activities in the last 5 years- e-copy of the award letters	View Document

3.6.4 Institutional social responsibility activities in the neighborhood community in terms of education, environmental issues like Swachh Bharath, health and hygiene awareness, delivery of free/ subsidized health care and socio economic development issues carried out by the students and staff, including the amount of expenditure incurred during the last five years

Response:

MM (DU) is fully aware of its social responsibility towards its neighbourhood community and has been taking up a number of activities through its various units. Faculty of Medical Sciences is actively engaged in providing comprehensive health care services to local population in terms of promotive, preventive, curative and rehabilitative measures.

Thus, regular health awareness, cataract screening and treatment camps, family planning camps and dental care camps are organized frequently where faculty and students participate with great zeal and enthusiasm. Educational talks, role plays, and demonstrations are conducted during these sessions to make the public aware about the common health problems and to motivate them for adopting healthy life style.

Special camps are held every year with an aim to provide all the information about recent government schemes to those who need it. Besides, workshops on several themes like AIDS awareness, self-defense, Right to Information etc. are also organized. We also aim at finding some tech-based solution to day-to-day problems of the society.

MM(DU) also provides free health care to the expecting mothers and free services for child birth in terms of investigation, ambulance, hospital admission, etc. There is a provision to give Rs. 5000.00 to the family on birth of a girl child. The institute is also providing special care to socially and economically vulnerable groups to fulfil their health care needs. Free bus service is provided to patients and their attendants coming from nearby villages and also for patients and their accompanists coming by train from Barara Railway Station as a matter of daily routine.

NSS units of MM(DU) consist of 500 enthusiastic volunteers belonging to various disciplines, guided by committed faculty members. They work on a diverse range of social issues including health care, blood donation, health awareness, hygiene and cleanliness drive, literacy drive, environmental issues, socio economic development issues, etc.

The Blood Donation Camp is one of the most awaited events organized by NSS units of MM(DU) in collaboration with the Red Cross Society. This event has always been a huge success thus saving the lives of thousands every year. It attracts a large number of volunteers and other students willing to donate blood.

Education plays a significant role in the personal, social and economic development of the nation. Keeping this in mind, NSS units supported by other student volunteers of MM (DU) have started some literacy drive and teaching programmes for the slum areas just to make a better future for them and build an educated INDIA

The environment is the biggest concern before anyone that is the reason why here at MM (DU), NSS units have initiated projects related to the environment safety. The main motto behind these projects is to make the society aware about this important issue. MM (DU) has incurred a sum of more than Rs. Five Crores towards the Institutional social responsibility activities in the neighbourhood community during the last five years.

File Description	Document
Any additional information	View Document
Links for Geo-tagged photographs of Institutional social responsibility activities (Refer annexure number -01 as per SOP)	View Document

3.7 Collaboration

3.7.1 Average number of Collaborative activities for research, faculty exchange, student exchange/ Industry-internship etc per year

Response: 96

3.7.1.1 Total number of Collaborative activities for research, faculty exchange, student exchange year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
114	103	129	71	63

File Description	Document
Institutional data in prescribed format	View Document
Certified Copies of collaboration documents	View Document
Link for additional information	View Document

3.7.2 Presence of functional MoUs/linkages with Institutions/ industries in India and abroad for academic, clinical training / internship, on-the-job training, project work, student / faculty exchange, collaborative research programmes etc., during the last five years.

Response: 54

3.7.2.1 Number of functional MoUs / linkages for faculty exchange, student exchange, academics, clinical training, internship, on-the-job training, project work, collaborative research programmes etc., during the last five years.

Response: 54

File Description	Document
Institutional data in prescribed format	View Document
E-copies of the functional MoUs with Indicating the start date and completion date	View Document
Link for additional information	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate physical facilities for teaching – learning, skills acquisition etc

Response:

The Institution has nearly 9000 students studying in various Bachelor's, Master's Degrees, PG diploma and PhD Programmes. The campus extends over an area of nearly 130 acres of land having serene green surroundings. MM (DU) has an excellent infrastructure for teaching learning process, clinical trainings, career progression and higher education. Moreover, the MM(DU) has spent nearly Rs. 50 crores annually, on an average, for augmenting and updating the infrastructure.

The classrooms of all the departments are ICT enabled and consist of provisions of LCD Projector, white and green board having good ambience, adequate lighting and good ventilation. One classroom of each Institute is equipped with Lecture Capturing System. All the constituent Institutes have seminar halls with LCD projectors, computers with internet connectivity through more than 1 Gbps bandwidth. There are tutorial room to conduct the remedial classes and to clarify the doubts of the students in smaller groups.

The MM (DU) has established a Clinical Skill Laboratory for Simulation based Learning and Training, Assessment & Research for students of the courses of UG and PG in the medical stream as also for the students of Nursing and Physiotherapy with the interactive simulation mannequins from Laerdal Medical, Norway and Simulation Surgical state-of-the-art simulators from Simbionix Ltd., Israel on a total expenditure of nearly Rs. 20 crores. Further, MM (DU) premises is equipped with multi-speciality hospital with emergency, ambulance facilities available 24X7.

The institutions have fully equipped labs as per the regulatory bodies to conduct experimental work. Laboratories are equipped with various types of softwares like ANSYS, PLC, MATLAB and STAAD PRO etc. Every department is equipped with its own computing resources as well as a departmental library.

MM(DU) has more than 1800 computers and all are connected through LAN. The institution strongly believes in learning through a visual medium and this has led to the construction of many visual staging halls. Although the MM (DU) is not offering AYUSH related courses, however other health sciences programs are fully equipped with learning-cum-therapy centers for the related skill acquisitions by the students.

Apart from curriculum, the institution has a number of centers of excellence which include BOSCH, CISCO, GOOGLE and SAP incubation center. Training and Placement department of MM (DU) offers incisive Skill Development Programs to groom the students to be Corporate Ready. We are also in process of establishing Centre for Skill and Entrepreneurship Development (CSED) on manufacturing and internet of things with a total investment of Rs. 26 crores.

The constituent colleges of MM (DU) have language labs to enhance the English language skills, communication skills of students and to practice other soft skills. The MM (DU) contributes towards social responsibility through community departments of Medical, Dental, Physiotherapy, Pharmacy, Nursing and NSS unit by organizing Health Care, Health Awareness camps, hygiene & cleanliness drive, etc, in surrounding villages. It also provides an opportunity for the students to understand the real issues faced by

the community and helps them in overall development of their personality.

The available infrastructure is also utilized beyond regular college hours to conduct technical events co-curricular activities/extra - curricular activities, parent-teacher meetings, Campus Recruitment Training classes, campus recruitments, meetings, seminars, conferences, etc.

File Description	Document
Links for Geotagged photographs of the facilities	View Document
Links for teaching- learning and skills acquisition facilities in the Institution	View Document
Link for additional information	View Document

4.1.2 The institution has adequate facilities to support physical and recreational requirements of students and staff – sports, games (indoor, outdoor), gymnasium, auditorium, yoga centre, etc. and for cultural activities

Response:

The institute has its own auditorium with foyer and a sitting capacity of 1500 audience duly well equipped with state-of-the-art light and sound system. The Institute also has an Open-Air Theatre called the Queen's Stage where audience between 2500-3000 can be accommodated. Every year a cultural festival named 'UNIVERSUMM' is organized in which more than 100 universities/institutes from different states of the country participate and fabulous amount is awarded to the winners in prize money. Further, an intra-university multi-activity competition named AMMUNATION is also organized every year in order to promote cultural activities in the MM (DU).

SPORTS FACILITIES

Apart from sports facilities available in Hostels, the details of the sports facilities available in the MM(DU) are as under:

S. No.	Name of sports Facility	No. of grounds available	Dimension	Year of Establishment
1	Athletics 400 Metre Track, Standard Track, Long Jump Pit, Shot Put Throwing sector, Discus Throwing sector	01	As per Standard	2007
2	Basketball Courts (One indoor and	04	As per Standard	2007 (Indoor) 2000 (Outdoor)

		three outdoor)		
3	Badminton Synthetic Court (Indoor) and outdoor courts	03 (Additional six outdoor courts in different Hostels)	As per Standard	2007
4	Cricket: Cricket Ground with turf covered practice pitches. The MM(DU) started a Cricket Academy in the Campus in association with noted Cricketer Shri Yuvraj Singh.	01	As per Standard	2015
5	Football Ground	02	97.0*58.0 sq. M	1997
6	Kabaddi Ground	02	As per Standard	1997
7	Kho- Kho Ground	01	As per Standard	1997
8	Squash Court (Indoor)	02	As per Standard	2007
9	Swimming Pool	01	25.0*12.5 sq. M	2007
10	Table Tennis Hall	05 Tables	As per Standard	2007
11	Volleyball Ground	06	As per Standard	1997
12	Gymnasium and Gyms stations	02. (Additionally, six hostels are also equipped with 10 station gyms)	With all basic gymnasium equipment	2007
13	Yoga Hall	01	34.7*11.0 sq. M	2007
14	Karate Hall	01	25.7*9.8 sq. M	2007
15	Hand Ball	01	As per Standard	1997

CULTURAL FACILITIES

MM (DU) has a Student Recreation Centre having the following facilities:

S. No.	Name of Facility	Dimension	Year of Establishment
1.	Dance Floor	53*39 sq. ft	2017
2.	Fashion Studio	20*40 sq. ft	2017
3.	Music Studio	20*40 sq. ft	2017
4.	Theatre Studio	31*31 sq. ft	2017

All the facilities mentioned above are used by the students for their regular practice and during other competitions. Annually, more than hundred sports and cultural activities are organized at various levels.

The students regularly participate in various competitions of sports and cultural activities held in the MM (DU) and other institutions and bring laurels to the MM (DU).

File Description	Document
Any additional information	View Document
Link for additional information	View Document
Links for Available sports and cultural facilities : geotagging	View Document

4.1.3 Availability and adequacy of general campus facilities and overall ambience

Response:

MM (DU) has 14 Hostels of which 4 are dedicated to boys while 7 are allocated exclusively for girls. Two hostels are earmarked for PG students while one Hostel is reserved for the foreign students. MM(DU) has a capacity of accommodating 5500 students in its Hostels, where their stay is quite comfortable with all amenities and homelike delicious food. The room capacity of different Hostels varies from single to triple Seater (AC/Non-AC) with attached Washroom and Toilets.

Each Hostel has a Common Room well equipped with television/magazine/newspapers etc; apart from indoor recreational activities and basic gym facilities along with Free Wi-Fi.

940 Bedded state-of-the-art multi-Speciality and 200 bedded Super-Specialty Hospitals on the Campus provide all investigations and treatment facilities at zero cost to all the students of the campus. There are two shopping complexes which have outlets for various daily needs along with a number of food joints. The academic blocks and the hospital buildings also have canteen facilities. Every Academic Block is equipped with separate toilet facilities for male and female staff and students including physically challenged students on each floor.

In addition to a Post Office and its own Petrol pump, the campus houses four banks, namely, State Bank of India, Punjab National Bank (Erstwhile OBC), ICICI and HDFC with seven ATMs (2 SBI, 1 ICICI, 1 HDFC, 2 PNB & 1 AXIS bank) at prominent locations.

MM(DU) is well connected with road and rail. While Barara Railway station on Ambala-Saharanpur Track is 5 KM from MM(DU), Ambala Cantt. Railway station is about 25 KM. On one side of the MM(DU) campus, the State Highway No. NH-344 (Ambala-Roorkee) is just at a distant of 2 KM and on the other side Shahbad to Kala Amb State Highway is only 1.5 K.M. away. Landmarks are also placed appropriately on two metaled roads leading to the MM(DU).

The MM(DU) has a lush green campus with a number of dedicated parks, good landscape and green trees around the campus. Almost every block of the MM(DU) is adjoined by a mini-Green landscape having some food kiosks as well.

MM (DU) houses a Water Sewage Plant with a sewage treatment capacity of 2.6 MLD. We also have a

Chemical Dosing based Water Purification system. Almost, every building of MM (DU) is mounted with arrays of Solar Panels with a 4800 KW capacity Solar Power Generation Plant, which is the biggest installation in any University around the country and the MM(DU) has regularly been exporting huge number of electrical units to the State electrical grid.

In addition to this, MM (DU) has a large fleet of Deluxe buses to bring students and staff from nearby towns situated within a radius of around 90 Kms. Residential facility is also available for Doctors, teaching and non-teaching staff on the campus. There is a separate hostel for Nurses. Further, there is a three-star MM Continental hotel in the vicinity of the campus, which caters to all types of needs of boarding and lodging of MM (DU) guests.

File Description	Document
Link for Photographs/ Geo-tagging of Campus facilities	[View Document](#)

4.1.4 Average percentage of expenditure incurred, excluding salary, for infrastructure development and augmentation during the last five years

Response: 46.29

4.1.4.1 *Expenditure incurred, excluding salary, for infrastructure development and augmentation year-wise during the last five years* (INR in lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
4717.46	6849.81	5207.66	4386.27	2635.18

File Description	Document
Institutional data in prescribed format	[View Document](#)
Details of budget allocation excluding salary during the last five years	[View Document](#)
Audited report / utilization statements (highlight relevant items) (Refer annexure number -01)	[View Document](#)

4.2 Clinical, Equipment and Laboratory Learning Resources

4.2.1 Teaching Hospital/s, Equipments, Laboratory and clinical teaching-learning facilities including equipment as per the norms of the respective Regulatory Bodies

Response:

Started in the year 2003 with the course of M.B.B.S, the M. M. Institute of Medical Sciences & Research has grown from strength to strength and culminated as one of the best Institutes in Northern India, well equipped with state-of-the-art facilities. The Institute has excellent faculty with renowned teachers and doctors of international repute. The college is among the pioneers in the country to introduce problem-based learning in medical subjects. The Institute has a well-equipped education, communication and media centre to facilitate conduct of advanced presentation.

The College has been approved by Medical Council of India for undergraduate course (M.B.B.S.), post graduate courses (M.D., M. S, and PG diploma) in 21 disciplines and Super Speciality courses (D.M., M.Ch) in 4 disciplines. Ph D programmes are also being run in five non-clinical disciplines. The institute has also been running UG and PG paramedical courses in some branches. The Medical Institute is attached with excellent state-of-the-art teaching hospital facility with 940 teaching beds. The hospital provides the healthcare services largely to the needy, downtrodden and sick people in and nearby rural areas of Haryana, UP, Himachal Pradesh and Punjab.

The institute is committed to provide the best quality of education comparable to the best institutes in India and Abroad. To fulfil this commitment, the institute has upgraded its Simulation lab with high fidelity mannequins like SIM Man 3G, Angiography mentor, Laparoscopic Surgery Mentor, Advanced Obstetrics mannequins, Nursing Anne Mannequin, Virtual dissection, etc. Before subjecting the students to actual patient care, they are trained in the simulated environment which helps them to not only learn academics but also develop clinical skills and ethics.

All the pre and paraclinical departments have their own laboratories for undergraduate and postgraduate teaching with the best equipment at par with any other premier institute of the country. All the Lecture Theatres, Laboratories, Demonstration halls are equipped with ICT facilities like projectors with state-of-the-art facility to project live images from microscopes which helps in effective demonstration and teaching in a large group. Reflective learning by hands-on-training and experiments enhance learning abilities of the students.

The Central Clinical laboratory in the Hospital is fully automated lab with equipments like Advanced Autoanalyzers, Vitek automated culture and sensitivity machine, Bactek for rapid culture and diagnosis of tuberculosis. VRDL lab is also functional in the institute. The institute also has a fully functional Molecular Biology Lab for molecular and gene studies. The students receive adequate exposure to this state-of-the-art laboratory equipment's during their clinical postings and visits to the laboratory. Self-directed learning is also encouraged during these sessions. Central Laboratory, Radio diagnosis, Anaesthesia, Eye, ENT and Basic departments are well equipped for the practical training of students in various Paramedical courses so that they can work as capable and qualified Paramedical staff.

All Speciality and Superspeciality 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 fully 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 equipments 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 Anaesthesia System (ICCA) for e-ICU, two MRI, 128 Slice and 16 slice C.T. Scan, Ultrasounds, 24 hrs Blood Bank services, Dialysis, 24 hours Emergency service and Intensive care facilities which help in providing the latest and the best hand on experience to the students. The hospital has all super speciality departments with super speciality facilities in Urology, Cardiology, Gastroenterology, Neurosurgery, Pediatric Surgery, Nephrology, Plastic surgery, Cardiothoracic and Vascular Surgery. All the departments have infrastructure much more than what is recommended by the regulatory authority (MCI). In Medical College, Equipments worth approx. 180 Crores has been installed to create world class infrastructure for providing excellent health education. The teaching hospital has got full NABH accreditation and MMIMSR is the only Medical College in Haryana to get NABH accreditation, which is testimony of quality healthcare and infrastructure. MMIMSR was the first Medical College in India to get Gold Certificate under Aayushmaan Bharat (PM-JAY) scheme of Government of India. The Medical College Hospital is also recognized by the Haryana Government for treatment of its employees and their families.

All departments are well equipped with all latest equipments as per the requirement of Medical Council of India. The clinical teaching utilises principles of Simulation based, problem based and evidence-based learning. Clinical teaching is carried out in small groups of 20 to 25 students posted in different clinical departments. Case based discussions with faculty helps in enhancing practical skills of the students. Seminars and tutorials using Audio Video facilities help in further clarification of the concepts. All the departments have good clinical material for clinical teaching as per the requirement of Medical Council of India.

In order to promote the practice of evidence-based medicine, each department organizes journal clubs/seminars/ group discussion/case presentation as part of the undergraduate as well as postgraduate teaching programme. The post graduate & doctoral studies and research projects are primarily targeted at developing an evidence-based management of patients. Medical institute organizes Clinico-Pathological meets, Death Audits with active participation of faculty and postgraduates to promote interdisciplinary teaching activity.

Hence M.M. Institute of Medical Sciences and Research has achieved quality in healthcare teaching and promises to continue towards gaining excellence in providing best health education facilities for providing quality healthcare professional to take care of the healthcare needs of the country.

File Description	Document
Links for The facilities as per the stipulations of the respective Regulatory Bodies with Geotagging	[View Document](#)
Links for list of facilities available for patient care, teaching- learning and research with geotagged evidences	[View Document](#)

4.2.2 Describe the adequacy of both outpatients and inpatients in the teaching hospital during the last five years vis-à-vis the number of students trained and programmes offered (based on HIMS / EMR) within 500 words.

Response:

Most important aspect of the teaching in a Medical College is practical training and teaching and for that we have more than adequate Clinical material in our attached 940 Bedded state-of–the–art multi-Speciality and 200 bedded Super-Specialty Hospitals. OPD and IPD clinical material in the Teaching Hospital is adequate for the teaching and practical training of both Undergraduate and Postgraduate students rather more than what is required as per the norms of Medical Council of India. Number of patients treated in the teaching hospital year-wise during the last five years is as given in the following table:

Clinical Material	2020	2019	2018	2017	2016
OPD	332448	854691	849504	849126	845426
IPD	26708	53780	53085	52531	52531
Bed Occupancy	61 %	82 %	82 %	81 %	82 %
Major Surgeries	6865	16171	16158	15941	14893
Minor Surgeries	12986	20763	20535	19918	20321

Following are the details of sanctioned number of Seats in various Courses for the Year 2019-20:

Programme name	Number of sanctioned seats available for 2019-20
MBBS	150
MD Anatomy	4
MD Physiology	5
MD Biochemsitry	3
MD Pharmacology	3
MD Pathology	10
MD Microbiology	3
MD Forensic Medicine	3
MD Community Medicine	5
MD General Medicine	19
MD Respiratory Medicine	4
MD Dermatology	4
MD Psychiatry	3
MD Pediatrics	9
MD Anaesthesia	14
MD Radiodiagnosis	14
MD Radiation Oncology	2
MS General Surgery	16
MS Orthopedics	9
MS Ophthalmology	4
MS Otorhinolaryngology	4
MS Obstetrics and Gynecology	11
DM Cardiology	2
DM Medical Gastroenterology	2
M.Ch Neurosurgery	2
M.Ch Urology	2
M.Sc Medical Lab Technology	15
M.Sc Operation Theatre Technology	15
M.Sc Radiography and Imaging	10

M.Sc Optometry	10
M.Sc Bio-Chemistry (Med.)	10
M.Sc Micro-Biology (Med.)	15
M.Sc Anatomy (Med.)	5
M.Sc Pharmacology (Med.)	5
M.Sc Physiology (Med.)	5
B.Sc Medical Lab Technology	60
B.Sc Operation Theatre Technology	30
B.Sc Optometry	60
B.Sc Radiography and Imaging	80
B.Sc Cardiovascular Technology	40
Bachelor of Audiology Speech Language Pathology	10
B.Sc Dialysis	10
Diploma in Medical Lab Technology	20
Diploma in Clinical Medical Assistance	20

As is evident from the above tables, the clinical material available is fully sufficient for the training of the undergraduate and postgraduate students teaching and meets with the requirement of MCI. It may also be mentioned that all the data is as per HIMS system of the hospital. The clinical material is also inspected many times by Medical Council of India and monthly update of HIMS data clinical material is done monthly on the College website as per the regulations of Medical Council of India.

File Description	Document
Links for description of adequacy of outpatient and inpatient statistics as per the norms of the Regulatory Bodies (critical documents to be verified by DVV)	View Document
Links for year-wise outpatient and inpatient statistics for the last 5 years	View Document

4.2.3 Availability of infrastructure for community based learning

1. **Attached Satellite Primary Health Centers**
2. **Attached Rural Health Centers available for training of students**
3. **Attached Urban Health Centre for training of students**
4. **Residential facility for students / trainees at the above peripheral health centers / hospitals**

Response: All of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
Government Order on allotment/assignment of PHC to the institution	[View Document](#)
Geo-tagged photographs of Health Centers	[View Document](#)
Documents of resident facility	[View Document](#)
Link for any additional information	[View Document](#)

4.2.4 Is the Teaching Hospital / Clinical Laboratory accredited by any National Accrediting Agency? A. NABH accreditation B. NABL accreditation C. International accreditation like JCI., D. ISO certification of departments /institution E. GLP/GCLP accreditation.

Response: A. All of the above

File Description	Document
Copies of Accreditation Certificate(s) duly certified	[View Document](#)
Any additional information	[View Document](#)
Link for additional information	[View Document](#)

4.3 Library as a Learning Resource

4.3.1 Library is automated using Integrated Library Management System (ILMS)

Response:

MM(DU) has well-stocked and technology enabled libraries covering various domains of higher education with specific emphasis on quality in higher education and accreditation. Libraries are completely automated with barcodes for computerized circulation and OPAC through Intranet. MM(DU) library system is embellished with more than 1.80 lac books and 684 print Journals. More than 15000 e-journals, and other academic materials are accessible through online databases subscribed by this Deemed to be University and open access e-resources. The library is also having 10980 CDs/DVDs and 1.82 lakh e-books. The entire MM(DU) is a huge LAN based network, all system connects with more than 1 Gbps bandwidth speed.

Name of the ILMS: Software for University Libraries (SOUL), a state-of-the-art integrated library management software designed and developed by the INFLIBNET is being used to automate all housekeeping operations in the library. MM(DU) libraries commenced their automation using SOUL in 2003 with barcode technology.

Features of the SOUL 2.0:

* Deals in International Bibliographic Standards such as MARC21, AACR-2, and MARCXML.
* Client Server based user-friendly architecture which fits in for the big institutional structures such as Universities, Agencies, etc.
* Intelligent competitive design that supports multi-platform for a bibliographic database such as MySQL/MS-SQL or other RDBMS.
* User and Operator Supportive.
* Compliant to NCIP 2.0 and SIP2 protocol RFID Compatible.
* Provide a simple budgeting system, single window operations and Unicode based multilingual support.
* Affordable cost, import/export facility, global search, well-structured reports and pre-formats of data entry are also good known features in the SOUL.

Nature and Extent of Automation: Using SOUL 1.0 with barcode technology, all the libraries under the MM(DU) Library system adopted automotive operations in their housekeeping operations and uploaded all the data in the software by the end of 2003 and are updated from time to time. In 2009, Library started an upgraded version of SOUL 2.0 to automate all the library operations. Its state-of-the-art Cataloguing, Circulation, OPAC (Online Books searching & Reservation), Journals/Periodicals, Various Reports modules are making access easier.

Year of Commencement and completion of Automation: MM(DU) one of the well-known Institutes in the region started automation quite early in its libraries. Our libraries also made a successful effort in the automation of library operations in 2003 and completely uploaded all data by the end of the year and is being updated from time to time.

Other Automation Related Tasks: Central Library is also having the 'D-Space' Digital Library Software which is an open source software, installed to organize, manage and provide an access to the institutional repositories and other digital collection of the library. It was installed in 2018 under the drive of digitization of libraries.

* Barcode and QR technology Integration of Library Services.
* Books/ Journals/ e-Books/ e-Journals available in the MM(DU) Libraries.
* E-Library facilities and Remote Access available of e-Resources.
* Central Library and Institutional Libraries are equipped with 65 nos. of Computers, Internet and Wi-Fi Facility.
* Created Open Source direct accessible PDF for the students of MM(DU).

File Description	Document
Link for additional information	[View Document](#)
Link to Geotagged photos	[View Document](#)

4.3.2 Total number of books and reference volumes as well as collection of ancient books, manuscripts, Digitalized traditional manuscripts, Discipline-specific learning resources from ancient Indian languages, special reports or any other knowledge resource for library enrichment especially with reference to traditional systems of medicines

Response:

Libraries of M. M. (Deemed to be University) cover a wide range of disciplines through the collection of Textbooks, Reference Books, Journals, e-books, e-databases, e-journals, manuscripts, CDs, DVDs, Newspapers, and Magazines etc. The MM(DU) has spent about Rs. Two crores annually, on an average, for purchase of books and journals. Our library acquisition system follows the proper standard and norms during the procurement and subscriptions.

Details of Various Resources

Sr. No.	Description	Nos.
1.	Text Books	**175863**
2.	Reference Books	**3285**
3.	Traditional systems of medicine	**410**
4.	General Books	**405**
5.	Ancient Books/Manuscripts/ Digitized Traditional Manuscripts and Discipline Specific Books in Ancient Indian Languages	**425**
6	e-Books	**182448**
7.	Print Journals (International)	**214**
8.	Print Journals (National)	**470**
9.	e-Journals (International/National)	**15020**
10.	CDs/DVDs	**10980**

Total Books = 180388 (Print)   Total Books = 182448 (e-Books)

Textbooks & Reference Volumes: Libraries of the MM(DU) have more than 1,80,000 volumes of Textbooks and well-equipped reference material such as dictionaries, encyclopaedias, handbooks, manuals, directories etc. available separately in each library.

Ancient Books/ Manuscripts/ Digitized Traditional Manuscripts and Discipline Specific Books in Ancient Indian Languages, Traditional systems of medicine: Ancient books/Manuscripts are the main foundation of historic evidence. Digital conservation of documents restores it from destruction, theft and falloff. Our Libraries have 425 such ancient books/ manuscripts/ digitized traditional manuscripts etc. for their users.

e-Books: It quite ensures that the next generation will be a move towards technology. To see technology impact, Libraries are giving more stress to its e-collection from a few past years to reach every user. Accordingly, MM(DU) libraries provide access to nearly 1.82 lakh e-books to its readers.

Print Journals (International): Although the electronic format of literature is changing the way of study but in our academic scenario print material is still popular. Our Libraries subscribe more than 200 international journals on an average every year.

Print Journals (National): National Journals also are important source of scholarly information. Most of the reputed sources are now part of our Libraries. Libraries have more than 450 National Journal for the subscription.

e-Journals (International/National): In this transition era, our library is also developing its collection by

changing its format. From the past few years, the library has subscribed to more than 15000 e-Journals for its users.

e-Databases and Other resources: Libraries have to deliver service in the area of research. For this purpose, the central library has subscribed to various important databases and software packages. Our library is providing remote access to various databases to users with the help of Knimbus. Libraries have quality VCD and DVD Collection related to health, Technical and management sections. Books for competitive examinations such as NEET, GATE, CAT, SAT, GMAT, GRE, IELTS, NTPC, IES, USMLE, etc. are available on campus libraries premises. In last five years, nearly thirty thousand students have been benefitted by guidance for career advancement and competitive examinations offered by the MM(DU).

File Description	Document
Link for additional information	View Document
Links for library acquisition data	View Document

4.3.3 Does the institution have an e-Library with membership/subscription for the following:

1. e – journals / e-books consortia
2. e-ShodhSindhu
3. Shodhganga
4. SWAYAM
5. Discipline-specific Databases

Response: All of the above

File Description	Document
Institutional data in prescribed format	View Document
E-copy of subscription letter/member ship letter or related document with the mention of year to be submitted	View Document
Details of subscriptions for e-journals, e-ShodhSindhu, Shodhganga membership etc. for the last five years	View Document
Details of e-resources with full-text access	View Document

4.3.4 Average annual expenditure for purchase of books and journals (including e-resources) during the last five years

Response: 186.4

4.3.4.1 Annual expenditure for purchase of books and journals year wise during the last five years (INR in lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
253	193	157	167	162

File Description	Document
Provide consolidated extract of expenditure for purchase of books and journals during the last five years duly attested by Finance Officer	[View Document](#)
Proceedings of Library Committee meetings for allocation of fund and utilization of fund	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Audited Statement highlighting the expenditure for purchase of books and journal library resources (Refer annexure number -01)	[View Document](#)

4.3.5 E-content resources used by teachers: 1. NMEICT / NPTEL 2. other MOOCs platforms 3.SWAYAM 4. Institutional LMS 5. e-PG-Pathshala

Response: Any Four of the above

File Description	Document
Supporting documents from the hosting agency for the e-content developed by the teachers need to be given	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)
Links to documents of e-content resources used	[View Document](#)
Give links e-content repository used by the teachers / Students	[View Document](#)

4.4 IT Infrastructure

4.4.1 Percentage of classrooms, seminar halls and demonstration rooms linked with internet /Wi-Fi enabled ICT facilities (data for the preceding academic year)

Response: 100

4.4.1.1 Number of classrooms, seminar halls and demonstration rooms linked with internet /Wi-Fi enabled

ICT facilities

Response: 170

4.4.1.2 Total number of classrooms, seminar halls and demonstration room in the institution

Response: 170

File Description	Document
Institutional data in prescribed format	[View Document](#)
Geo-tagged photographs of the facilities	[View Document](#)
Consolidated list duly certified by the Head of the institution.	[View Document](#)
Any additional information	[View Document](#)

4.4.2 Institution frequently updates its computer availability for students and IT facilities including Wi-Fi

Response:

There are 1800+ computers/laptops available with latest configuration of Apple, DELL, HP, ACER (Intel Core i7, Core i5, Core i3), Servers & SAN Storage, surveillance system and networking devices including switches, routers. Old computers/Laptops are discarded and the new ones with latest configurations are added every year. Following is the detail of computing facilities upgraded in MM(DU) since 2016:

- 25 computers of APPLE (iMac MK442HN/A Core-i5) in 2016.
- HP ProLiant ML150, HP ProLiant ML10 v2, Cisco Catalyst 6880-X-Chassis (XL Tables), PowerEdge R440 Server, HPE DL380 Gen10 1x 16Gb, S100i (embedded), P408i-a SR Gen10 and Sophos 750Xg UTM Firewall in 2016
- 30 Google Chrome-books (ACER) in 2017.
- HP MSA 2040 SAN Storage in 2017
- 550 computers of DELL (OPTIPLEX 3050 Core-i5) and HP (Pro Desk 400 G4 MT Core-i5) in 2018.
- 50 Laptops of HP (Intel Core i5 7550) in 2018.
- Dell Networking N4064F, N2024, N2048, N4064F and AH-AP-250-AC-W & AH-HM-S-PT-3Y 100+ devices in 2018.
- 310 computers of HP (Pro Desk 600 G5 MT Core-i5) in 2019.
- Dell Switch (EMC S5248F-ON Switch, N3024EF-ON Switch, N1524P, N1548P, N2048P) in 2019
- CCTV & Surveillance system of HIKVISION (Hybrid SAN, Storage Expansion Box, HikCentral-Smart Wall-Module and **1100**+ CAMERA) in 2019.

The MM(DU) has proprietary software worth nearly Rs. Four crores including Microsoft volume license, MATLAB 7.0, Labview, University Management Suite, Pro-Engineer CAD/CAM/CAR, PSCADX4, HIS, LIS, DMS, PAC, SAP SITE, Google Chrome, etc. in addition to the open source software.

There are nearly 170 IT enabled classrooms and 55 computer labs. Over **4700+ LAN Points** were augmented across the campus computer labs and office spaces; the campus backbone network was upgraded from **100 Mbps** to **1 Gig** backbone. Further, augmenting the network backbone from **1 Gig** to **10 Gig** is in process (Administrative block, Super Specialty block and skill lab has already been upgraded from **1 Gig** to **10 Gig**) and nearly **1000 Wi-Fi Network** points were deployed across the campus in both academic blocks and hostels blocks. The **administrative departments** of the MM(DU) including **Accounts**, Purchase, **Examination**, **Hospital administration**, etc. are fully equipped with **ERP system**. There is an in-house **IT maintenance Cell (UIITM)** also to take care of the entire computer and **IT** infrastructure.

Details of the IT infrastructure is given as under:

- More than 1 Gbps of bandwidth for Internet as under
    1. **500 Mbps** fiber optic Internet Lease line **(1:1)** from Airtel
    2. In addition to **100 Mbps fiber optic internet** with **1 Gbps** connectivity under **MHRD** project from BSNL installed in 2013-14, installation of **500 Mbps fiber optic Internet Lease line (1:1)** from **Railtel** is in progress
- Highly efficient and secure **HP Blade Data Center** with **HP c7000** blade chassis having a capacity to cater **8 full height blades** or **16 half height blades** including **SAN** storage and **RAC** Servers
- **23+ KM** fiber backbone for seamless connectivity.
- **Cisco catalyst 6880-X** core chassis switch with capacity to support up to **10G/40G/100G** Networks for scalability and Dell N4064 (core switch)
- Fully functional Biometric attendance system for staff and students.

File Description	Document
Links for documents relating to updation of IT and Wi-Fi facilities	[View Document](#)

4.4.3 Available bandwidth of internet connection in the Institution (Lease line)

Response: ?1 GBPS

File Description	Document
Institutional data in prescribed format	[View Document](#)
Details of available bandwidth of internet connection in the institution	[View Document](#)
Bills for any one month of the last completed academic year indicating internet connection plan, speed and bandwidth	[View Document](#)
Annual subscription bill / receipt	[View Document](#)

4.4.4 Facilities for e-content development such as Media centre, audio visual centre, Lecture

Capturing System(LCS), etc.,

Response:

The MM(DU) has always encouraged its faculty members to make use of e-resources for teaching learning process. The libraries of the MM(DU) are equipped with a large number of CDs/DVDs and other e-resources. More than 1.82 lakh e-books, 15000 e-journals and other academic materials are accessible through online databases subscribed by this Deemed to be University and open access e-resources. Our library is providing remote access to various databases to users with the help of Knimbus.

The classrooms of all the departments are ICT enabled and consist of provisions of LCD Projector. One classroom of each Institute is equipped with Lecture Capturing System. All the constituent Institutes also have seminar halls with LCD projectors. The entire MM(DU) is a huge LAN based network with more than 1 Gbps bandwidth speed.

Facilities have also been provided for development of the e-content. The lectures of faculty members can be captured using smart board facility in the lecture halls of the all the constituent Institutes of the MM(DU). Further, the MM(DU) is having an MOU with 'Khabrein Abhi Tak' (KAT) news channel for using their recording facility/Media centre at Chandigarh. The faculty members of this Deemed to be University visit the centre for their lecture recording. The faculty members are further assisted by their technical staff members in recording, editing, etc.

The following equipments are available for e-content development:

Sr. No.	Device	Model
1.	Camera	Sony NX5R
2.	Lapel MIC	Sennheiser EW 100 ENG G4 Camera-Mount Wireless Combo Microphone System
3.	Injest	Fork & VMIX
4.	Interactive Flat Panel Display	Ultra HD 4K Resolution Newline Interactive 75" inch Flat panel, LED Display, Intel Core i5 6th generation processor, Wi-Fi inbuilt 2.4 / 5.0 GHz, Android inbuilt, 4GB RAM, 1TB HDD

Further, Video Conferencing Facility is also available through the Logitech BCC950 ConferenceCam system from Clarylcon with video resolution 1920x1080.

The teachers prepare e-content in the form of e-lectures and e-quizzes. The material is checked for plagiarism using the software URKUND which is shared among faculty and students. The available facilities for audio, video recording and editing are utilized by the faculty during their free hours after taking a prior appointment. More than 800 teachers have been trained for development and delivery of e-contents. The recorded lectures/e-contents developed by the faculty members are uploaded on the institutional learning management system.

File Description	Document
Any additional information	[View Document](#)
Links for the e-content development facilities	[View Document](#)
Links for Geo-tagged photographs	[View Document](#)

Other Upload Files	
1	[View Document](#)

4.5 Maintenance of Campus Infrastructure

4.5.1 Average percentage of expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the last five years

Response: 8.85

4.5.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
2192	1403	515	331	534

File Description	Document
Institutional data in prescribed format	[View Document](#)
Details about approved budget in support of the above	[View Document](#)
Audited statements of accounts for maintenance (Refer annexure number -01 as per SOP)	[View Document](#)
Any additional information	[View Document](#)
Provide link to ERP	[View Document](#)

4.5.2 There are established systems and processes for maintaining physical and academic support facilities: (laboratory, library, sports facilities, computers, classrooms, etc.)

Response:

All the physical and academic support facilities of the MM (DU) are maintained by different offices and committees. The MM(DU) has spent nearly Rs. 50 crores for maintenance of physical facilities and academic support facilities in last five years.

The Instruments/Equipments are maintained by the University Instrumentation center (USIC) especially which are placed at central facility. However, the maintenance of equipment in any department is the responsibility of respective departmental Heads who are provided with imprest money for small repairs of the instruments at their own level. Any equipment which is not working is firstly inspected by technicians of the USIC and if it is beyond repair at the local level, the manufacturer/supplier is contacted through the Manager (Materials). Manager (Materials) along with its team also takes care of the maintenance of hospital equipments, photocopiers, ACs and other sophisticated equipments by annual maintenance contract.

Librarians of various libraries are responsible for upkeep of old books, journals, magazines, etc. There are binding sections to take care of the wear and tear of books and other documents in the library and other offices. MM (DU) has world-class IT infrastructure which is maintained by IT Maintenance team (UIITM). There are 10000 wired nodes and 10000 Wi-Fi accounts with more than 50 servers. This team is also responsible for maintenance of computer hardware.

MM (DU) has central sports facility at the sports complex which has well-maintained gymnasium with up-to-date equipment, badminton court, aerobics, yoga, volleyball, football and cricket ground. The gymnasium and sports facilities are available to students, teaching and non-teaching staff at no cost. Maintenance of all the sports infrastructure is the responsibility of the office of Dean Students welfare (DSW). DSW office also looks after the maintenance of the auditorium and student activity center.

The Engineers and other personnel are deputed for different works related to maintenance of buildings, maintenance of different laboratories and classrooms. One of the wings of the Estate office maintains the record of the allotment and upkeep of all the accommodations. The parks, gardens and lawns are maintained by Horticulture department. Horticulture department has deputed caretakers to take care of trees and plants. The routine cleanliness of various facilities, hostels, departments and central office is done by the deputed staff. MM (DU) has a large fleet of vehicles including buses, pick up vans, ambulances, cars etc., whose regular maintenance is taken up by the Transport incharge.

File Description	Document
Link for additional information	View Document
Links for log book or other records regarding maintenance works.	View Document
Links for minutes of the meetings of the Maintenance Committee.	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships /free ships / fee-waivers by Government / Non-Governmental agencies / Institution during the last five years

Response: 23.9

5.1.1.1 Number of students benefited by scholarships /free ships / fee-waivers by Government / Non-Governmental agencies / Institution during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
3325	2485	2050	1290	961

File Description	Document
Self-attested letters with the list of students with Government-sanctioned scholarships and fee-waivers	[View Document](#)
List of students benefited by scholarships / fee-waivers etc. provided by the institution and other non-government schemes	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Copies of sanction letters from the University / non-government schemes	[View Document](#)
Consolidated document in favor of free ships and number of beneficiaries duly signed by the Head of the institution	[View Document](#)
Any additional information	[View Document](#)

5.1.2 *Institution implements a variety of capability enhancement and other skill development schemes*

    1.Soft skills development
    2.Language and communication skill development
    3.Yoga and wellness
    4.Analytical skill development
    5.Human value development
    6.Personality and professional development
    7.Employability skill development

Response: All of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
Details of capability enhancement and skills development schemes	[View Document](#)
Detailed report of the Capacity enhancement programs and other skill development schemes	[View Document](#)
Any additional information	[View Document](#)
Link to institutional website	[View Document](#)

5.1.3 Average percentage of students benefited by guidance for competitive examinations and career advancement offered by the Institution during the last five years.

Response: 73.3

5.1.3.1 Number of students provided with training and guidance for competitive examinations and career advancement offered by the Institution year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
7585	6355	5798	5996	4758

File Description	Document
Year-wise list of students attending each of these schemes signed by competent authority	[View Document](#)
Program/scheme mentioned in the metric	[View Document](#)
List of students (Certified by the Head of the Institution) benefited by guidance for competitive examinations and career advancement offered by the institution during the last five years	[View Document](#)
Institutional Data in Prescribed format	[View Document](#)
Copy of circular/brochure of such programs	[View Document](#)

5.1.4 The institution has an active international student cell

Response:

International Affairs Department at Maharishi Markandeshwar (Deemed to be University) [MM(DU)] has been established with the aim to explore the possibilities of the tie ups with foreign Universities/ Institutes

of repute for Student Exchange, Faculty Exchange, Training Programmes and to attract foreign students for admissions.

Some of the important activities undertaken by International Affairs Department are as under:

- Creating awareness of MM(DU) and its courses among International audience resulting in increased international student intake.

More than 900 international students are currently pursuing their studies from MM(DU). MM(DU) has been able to attract students from nearly 40+ countries, including students from Australia, Canada, Denmark, Egypt, Germany, Indonesia, Iraq, Madagascar, Malaysia, South Africa, South Korea, United Kingdom, United States of America, etc.

- Assisting the international students to overcome any difficulty relating to language, culture or any other problem and in providing the following services to the students:

  - Pre-Arrival Services
  - On Campus Accommodation
  - Post Arrival Services
  - Conflict resolution and counselling services
  - Proficiency courses in English
  - Resolving issues relating to cultural conflicts

The basic objective in providing the above services is to make them feel comfortable, so that they can focus on their studies and make the best use of their time spent at the campus.

- Establishing and maintaining contact and cooperation with foreign institutions for inter-institutional agreements for academic cooperation.
- Assisting existing international students and/or expatriate faculty members to apply for or extend their visas.
- Preparing Memoranda of Understanding (MoU)/ Memoranda of Agreement (MoA) for international collaborations and documentation of international cooperation agreements.
- MM(DU) has signed MOU with 80+ reputed Universities/Institutions from different countries. Some of the prestigious Universities/Institutions are Alicante University, Spain; Hacettepe University, Turkey; VID University, Norway; Vilnius University, Latvia; etc.
- Participation in international initiatives and international educational meetings/ forums, providing a channel for international communication for establishing international cooperation.
- Sharing information with MM(DU) community on issues of international scientific cooperation such as conferences, inter-cultural exchanges and competitions.
- Promote and facilitate the exchange of students and advising students on documentation needed for exchange visits.
- Supporting foreign guests during their visit to campus.
- Organized MM(DU)-Youth Leadership Camps (YLC) in the years 2018 and 2019, which brought together an eclectic mix of students from countries like Germany, Czech Republic, Indonesia, Sri Lanka, Denmark, South Africa, Bangladesh and Nepal providing them a forum for the meaningful exchange of culture and ideas.

MM(DU)- YLC helped the participants to develop their leadership potential through a series of workshops,

learning sessions and hands-on experience.

File Description	Document
Links for international students' cell	[View Document]

5.1.5 The institution has a transparent mechanism for timely redressal of student grievances / prevention of sexual harassment and prevention of ragging

1. **Adoption of guidelines of Regulatory bodies**
2. **Presence of the committee and mechanism of receiving student grievances (online/ offline)**
3. **Periodic meetings of the committee with minutes**
4. **Record of action taken**

Response: All of the above

File Description	Document
Minutes of the meetings of student Grievance redressal committee and Anti-Ragging committee	[View Document]
Institutional data in prescribed format	[View Document]
Circular/web-link/ committee report justifying the objective of the metric	[View Document]
Any additional information	[View Document]

5.2 Student Progression

5.2.1 Average percentage of students qualifying in state/ national/ international level examinations during the last five years (eg: NET/SLET/GATE/GMAT/GPAT/CAT/GRE/TOEFL/PLAB/USMLE /AYUSH/AICTE/ Civil Services/Defense /UPSC/State government examinations/PG-NEET/ AIIMSPGET, JIPMER Entrance Test, PGIMER Entrance Test etc.,)

Response: 24.49

5.2.1.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT/GRE/TOEFL/ PLAB/ USMLE /Civil services/ Defense/UPSC/State government examinations/ *PG-NEET/* AIMSPGET, JIPMER Entrance Test, PGIMER Entrance Test etc.,) year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
134	46	50	34	53

5.2.1.2 Number of students appearing in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT/GRE/TOEFL/ *PLAB/ USMLE/*Civil Services/State government examinations *PG-NEET/* AIMSPGET, JIPMER Entrance Test, PGIMER Entrance Test etc.,)) year wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
426	257	229	165	173

File Description	Document
Pass Certificates of the examination	[View Document](#)
List of students qualifying for state/national/international-level examinations during the last five years with their roll numbers and registration numbers	[View Document](#)
Institutional data in prescribed format	[View Document](#)

5.2.2 Average percentage of placement /self employed professional services of graduating students during the last five years

Response: 61.29

5.2.2.1 Number of outgoing students who got placed / self-employed year- wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
1358	1203	1114	1247	964

File Description	Document
Self-attested list of students placed/self-employed	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Annual reports of Placement Cell	[View Document](#)

5.2.3 Percentage of the graduates in the preceding academic year, who have had progression to higher education.

Response: 13.74

5.2.3.1 Number of batch of graduated students of the year before preceding year, who have progressed to

higher education

Response: 278

File Description	Document
Supporting data for student/alumni in prescribed format.	View Document
List of students who have progressed to Higher education preceding academic year	View Document
Institutional data in prescribed format	View Document

5.3 Student Participation and Activities

5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at state/regional/national/international events (award for a team event should be counted as one) during the last five years

Response: 423

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at state/regional /national/international events (award for a team event should be counted as one) year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
187	103	77	51	05

File Description	Document
Institutional data in prescribed format	View Document
Certified e-copies of award letters and certificates.	View Document

5.3.2 Presence of Student Council and its activities for institutional development and student welfare

Response:

There is a Students Welfare Council for each of the institutes which focuses at holistic development of students as also in achieving the goals of the MM(DU). The Institutional Council has the following levels:

Level I: Includes Student Members at institute level with following roles,

1. Overall Students Welfare Coordinators (1 Male, 1 Female)
2. Cultural Coordinators (1 Male, 1 Female)

3. Sports Coordinators (1 Male, 1 Female)
4. Skill Development Coordinators (1 Male, 1 Female)

Level II: Includes Faculty Members to guide and monitor the activities of above-mentioned group of students.

Further, the representatives from these institutional councils are part of the MM(DU) student council, which works under the guidance of Dean (Students Welfare).

The responsibilities of the above Council are as follows:

- Management and Coordination of all students welfare related activities with Department of Students Welfare
- Conduct, execution and management of all Cultural events such as UniversuMM, Ammunation, Inter-University Participation, etc.
- Conduct, execution and management of all Sports events such as Inter-College Sports Competitions, Inter-University Participation, etc.
- Conduct, execution and management of all allied events such as NSS, NCC, Fine Arts, Literary, Social, Extension Education, National and International days celebrations, etc.
- Maintaining discipline amongst the students and organizing anti-ragging drive.

Annually, more than hundred sports and cultural activities are organized at various levels. In addition to these activities, students are actively involved in various other committees, the details of which are given as under:

IQAC Committee

Three students are members of IQAC and they contribute in the Quality Assurance process in academics and other related areas.

Placement Committee

MM(DU) has a Central Placement Cell assisted by Students' Committee. This committee is constituted annually from the newly recruited students and is responsible for execution of campus drives, helping their fellow students to prepare the placements data and keeping record of previous drives. The students also actively participate in organizing events like mock sessions of aptitude tests, interviews, etc.

UNIVERSUMM Committee

UniversuMM is the annual National Youth Fest (INTER-UNIVERSITY) in which about 100 events are conducted. Every year, a committee of about 20-30 students forms the Core Committee and this group is further assisted by over 450 students to plan and execute the festival. The students from this committee coordinate in campus and off campus publicity campaign, social media campaign, sponsorship campaign, crowd management, discipline, hospitality to guest teams, safety and security of all the participants.

AMMUNATION Committee

Ammunation is annual Intra-University Youth Competition in which around 45 competitions are

conducted. These activities are conducted from February to April, in the evening after regular working hours. The Councils ensure participation of students from their respective Institute in the fest while selected members from the Institutional Council take the responsibility of coordinating the conduct of the event with the Department of Students Welfare.

Specific Event Committee

Whenever any special unscheduled event is organized by the MM(DU) or any of its constituent Institutes, a separate independent committee of students is constituted to assist the organizers and to enable them to learn organizing capabilities.

File Description	Document
Any additional information	View Document
Links for Student Council activities	View Document

5.3.3 Average number of sports and cultural activities / competitions organised at the institution level per year

Response: 54

5.3.3.1 Number of sports and cultural activities / competitions organised by the Institution year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
68	61	49	52	40

File Description	Document
Report of the events/along with photographs appropriately dated and captioned year-wise	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Event photograph if available (random selection with titles and date(s) of the events marked)	[View Document](#)
Copy of circular/brochure indicating such kind of activities	[View Document](#)
Any additional information	[View Document](#)
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View Document](#)
Link for additional information	[View Document](#)

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) has contributed significantly to the development of the Institution through financial and other support services during the last five years

Response:

At MM (Deemed to be University), there is a strong belief that the Alumni are the goodwill ambassadors of the Institute. The MM(DU) has registered Maharishi Markandeshwar Alumni Welfare Society vide Memo No. 2020-08-004920. We at MM(DU) aim at promoting and encouraging cordial and fruitful relations amongst the members of the Alumni Association and strive for mutual growth, achievement and advancement in various fields.

Our alumni are also doing exceedingly well in the world and are taking the name of Nation and their Alma Mater to greater heights. The MM(DU) also considers its alumni's feedback on various academic, infrastructural and co-curricular activities. Their regular feedback generates insights on how to improve institutional quality.

Mission & Objectives of the MM(DU) Alumni Association:

- To help each other in social and professional networking in order to create job opportunities, entrepreneurial opportunities and professional contacts.
- To serve the community and the nation.
- To imbibe and demonstrate MM(DU) values of socially and ecologically responsible professional and personal actions.

The alumni contribute to the Institution Deemed to be University through many ways which include:

- Participation in Alumni meets conducted every year
- Liaisoning with Placement Cell, alumni have provided a number of jobs, internships to the students; arranged industrial visits for the students.
- Books are donated by alumni to the library of the MM(DU).
- Students, who travel abroad, are offered advice and help by alumni.
- A number of alumni have visited the campus and given lectures both on technical and general topics.
- Alumni are also associated as members of curriculum committees of the departments/Institutes and Boards of Studies and contribute in reviewing and development of the curriculum. Their regular inputs are very significant in bringing developments and quality enhancements.
- Assisted for getting sponsorship for the various events organized in the University.
- Honoured by the University at various meetings.
- Alumni also take part in various activities like Cultural Festivals, Technical Festivals, Sports Fest etc. as Judges
- Extending financial assistance for various activities of the MM(DU) and to needy students.

File Description	Document
Audited statement of accounts of the Alumni Association (Refer annexure number -01 as per SOP)	[View Document](#)
Any additional information	[View Document](#)
Links for frequency of meetings of Alumni Association with minutes	[View Document](#)
Link for additional information	[View Document](#)

5.4.2 Provide the areas of contribution by the Alumni Association / chapters during the last five years

1. **Financial / kind**
2. **Donation of books /Journals/ volumes**
3. **Students placement**
4. **Student exchanges**
5. **Institutional endowments**

Response: A. All of the above

File Description	Document
List of Alumni contributions made during the last 5 years	View Document
Certified statement of the contributions by the head of the Institution	View Document
Annual audited statements of accounts/ Extract of Audited statements of highlighting Alumni Association contribution duly certified by the Finance Officer and Head of the Institutions	View Document
Link for any additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The Institution has clearly stated vision and mission which are reflected in its academic and administrative governance.

Response:

Vision

To prepare students with an integrated technology-oriented education for a better career and make them worthy citizens of a global society.

Mission

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

The Vice Chancellor with the support of other academic functionaries governs this Deemed to be University towards the fulfillment of vision, mission and goals of the MM(DU) and leads the faculty and other academic staff at all levels as per the long term and short-term strategic plans. The strategic plans include enhancing the teaching-learning quality; inculcating human values along with professionalism; boosting the impact of research; equipping the graduates for industry etiquettes and behavioral skills to compete at the global platform.

A flexible governance mechanism allows the Institution to take significant decisive steps towards the realization of its goals. Governance at this Deemed to be University is realized by the experience and wisdom of eminent personalities serving on various academic and administrative bodies like Board of Management, Academic Council, Planning & Monitoring Board, Finance Committee and other academic bodies. These bodies are functioning as per the provisions contained in the MOA of MM (DU) framed strictly in accordance with the provisions of the UGC (Institutions Deemed to be Universities) Regulations. External experts both from academia and industry are also represented in these bodies to provide useful inputs.

The Principals/Directors/Deans ensure the compliance of academic and administrative processes and procedures along with the continual improvements through regular monitoring by Internal Quality Assurance Cell. The faculty members are involved in developing and implementing the system at various levels. The faculty members are nominated in various statutory bodies and committees of MM (DU)/ Institutions as per the UGC regulations for decision making such as syllabus revision, introduction of new courses, examinations, research, admissions process, internship, placements, etc.

Further, at the institutional/departmental level, faculty provide their input on academics, administration, research, student issues in departmental meetings conducted regularly so that the interests of the students are taken care of. Staff members and students of various Institutes/departments also have a participative role in Sexual Harassment Committee/Internal Complaint Committee, Anti-Ragging Committee, Hostel Committees, Library Committee, Cultural Committees, Internal Quality Assurance Cell, Grievance Redressal Committee, etc. Other stakeholders like parents, alumni, representatives of the local society and industry participate in meetings of IQAC and their feedback is also considered in curriculum designing and

restructuring.

File Description	Document
Link for report of achievements which led to Institutional excellence	[View Document](#)
Link for vision and mission documents approved by the Statutory Bodies	[View Document](#)

6.1.2 Effective leadership is reflected in various institutional practices such as decentralization and participative management etc.

Response:

The MM (Deemed to be University) promotes a culture of participative management through delegation of authority which can be witnessed in various operational levels. The academic and administrative responsibilities are decentralized to provide effective leadership for effective implementation and monitoring of various policies, regulations & guidelines at various levels. Heads of the Institutions/ Departments are the Chairpersons of the respective Board of Studies, Faculty and ex officio member of their respective Academic Council. Cadre-wise nomination of senior Faculty by rotation have representation in highest decision-making bodies like the Board of Management, Finance Committee and Research Advisory Committee. Staff members and students of various Institutes/departments have a participative role in Sexual Harassment Committee/Internal Complaint Committee, Anti-Ragging Committee, Hostel Committees, Library Committee, Cultural Committees, Internal Quality Assurance Cell, Grievance Redressal Committee, etc.

Case Study – Introduction of new courses and Curriculum Revision

The MM (Deemed to be University) follows a systematic process in the design and development of the curriculum. The statutory bodies of the MM(DU) such as the Academic Council, concerned Faculty and the respective Board of Studies with external experts from outside regularly review the curriculum in the academic bodies of the Institution Deemed to be University and provide their advice for bringing improvement in syllabi of various courses bringing latest trends in their subjects. In last five years, syllabi of more than 70% programs have been revised. The process of curriculum revision is an example of decentralized and participatory management as depicted below:

1.   For the introduction of new course or revision of existing courses, Departmental staff meetings are held; due consideration is given to feedback and suggestions received from students, alumni, employers, faculty members and experts both from industries and academics; and results of students' performance in various examinations are also given due consideration while reviewing the syllabi of various courses of the MM(DU).

2.   The curriculum prepared by the Institutes/Departments after several meetings at different levels are placed before the respective Board of Studies having external experts from academia and industry, for its consideration. Meetings of Boards of Studies in different disciplines are conducted atleast twice in an

academic year.

3.   Recommendations of concerned Board of Studies are placed before the concerned Faculty and finally before the Academic Council, also having experts from academia and industry, in order to make the curriculum comparable with other premier institutions of the country.

The efforts of the MM(DU) in effectively implementing participative management have been highly successful. This success is reflected in improved performance of the students in placement drives, National/ International completions, sports and cultural activities.

File Description	Document
Link for information / documents in support of the case study	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic plan is effectively deployed.

Response:

The Strategic Plan of the MM(DU) builds on the foundation of quality and value-based education as the basis for excellence in education. The MM(DU) prepares perspective plans for a period of 5 years. In the strategic plan 2020, the MM(DU) had laid stress on some vital performance indicators like research output, internationalization, new and advanced programs, establishment of Centers of Excellence, Green Campus, Rankings and accreditation, etc. It was observed that most of the domains of projected plan were achieved and hence to accelerate the future growth of the Institution Deemed to be University a new perspective plan has been adopted. The strategic plan 2025 focusses on strengthening the already identified focus areas and further some new key areas have been identified in line with the Vision of the MM(DU). The MM(DU) has defined following major components/key areas in order to move from good to excellence in the various activities through next five years.

- Academic Excellence with focus on research and innovations
- Talent acquisition and retention
- National and international Collaborations
- Advanced infrastructure and upgradation/modernization of laboratories
- Industry-Academia linkage and outcome
- Alumni Engagements and interaction
- Strengthening Patient-care initiatives
- Entrepreneurship and consultancy initiatives
- Placements and Career Opportunities
- Extension Activities with a special focus on Capacity Building
- Centers of Excellence

The series of steps to be undertaken for the implementation of the strategic plan, keeping in mind our core values which steer us through the decision-making process, have also been listed in the plan. The

deployment of the strategic plan is ensured through the robust governance structure of MM(DU), highly qualified human resources and state-of-the-art infrastructure. It is ensured that the set targets are achieved through accountability process comprising of review, evaluation, reporting and, where necessary, re-planning.

For preparation of the draft strategic plan, a series of meetings were held at various levels, whereby all the Heads of departments and other activity incharges came out with their planning for next five years. These inputs were discussed and consolidated at the constituent Institution level and finally a draft strategic plan at the MM(DU) level was prepared after meeting of all Directors/Principals/Section Heads with Pro Vice-Chancellor. The draft plan was placed in the meeting of Planning and Monitoring Board (P&M) comprising of all the Deans and external experts and finally was approved by the Board of Management, after incorporating all the observations/ suggestions of the members. The MM(DU) has developed a strategic plan to utilize the existing strengths, overcoming the weaknesses, exploiting the opportunities and facing the challenges.

Since all the key components/areas have specific targets to be achieved in next five years, their achievements are monitored in the meetings of P&M Board. The IQAC is also responsible to assess the performance of various stakeholders, towards achievement of various targets, through the Academic and Administrative audits.

File Description	Document
Link for Strategic Plan document	View Document
Link for minutes of the Governing Council/ other relevant bodies for deployment / monitoring of the deliverables	View Document

6.2.2 Effectiveness and efficiency of functioning of the institutional bodies as evidenced by policies, administrative setup, appointment and service rules, procedures etc.

Response:

The University has a well-defined organizational structure and decision-making processes which enhances the overall effectiveness of the university. The organizational structure lends itself to nourishing institutional capacity and education effectiveness through involvement of stakeholders in various Committees. The Vice-Chancellor carries out academic administration and management of the MM(DU) through well-established bodies. Following authorities of the MM(DU) provide policy framework for implementation of its vision and mission:

1.   Board of Management

The Board of Management is the principal organ of management and the apex decision-making body of the University in respect of every matter including administrative affairs, academic, financial, development matters, etc.

2.   Academic Council

The Academic Council is the principal academic body of the MM (Deemed to be University) and it exercises control over the academic affairs of the MM(DU). Accordingly, it maintains the standards of teaching, research and training, approval of syllabi, introduction of new courses, coordination of the research activities, appointment of Paper-setters/Examiners, examination reforms by reviewing of examination system and policy from time to time. Ordinances of various courses, which govern the terms and conditions of conducting the respective courses are, however, recommended by the Academic Council for consideration and approval by the Board of Management.

3.   Finance Committee

The Finance Committee is responsible for the overall financial planning of the MM(DU). The Committee examines the annual accounts and submits the Audited Report and Annual budget of the MM(DU) and its Institutions to the Board of Management for approval.

4.   Planning and Monitoring Board

The Planning & Monitoring Board is the principal planning body of the Institution Deemed to be University and is responsible for the development programmes of the MM(DU). The Board is also competent to advise the Board of Management and the Academic Council on any matter it considers appropriate for the fulfilment of the objectives of the MM(DU).

5.   The Faculties

The Faculties examines the recommendations of respective Boards of Studies falling under their purview and co-ordinate teaching and research work in the Institutes/ Departments of the MM(DU) and make their recommendations to the Academic Council for its consideration and approval.

6.   Board of Studies

All the matters relating to the curricular of various courses of the respective Department/Institution, appointment of Paper setters/ Examiners, Ph.D registration with approval of topic and supervisor as recommended by the Research Advisory Committee and other academic issues taken by the Departments/Institutes in their meetings of the respective Board of Studies are routed through the concerned Faculty for approval by the Academic Council.

The Powers and Functions of each body are well defined to ensure administrative decentralization. The meetings of various bodies/committees are held as per provisions of the MOA and Rules made there under UGC regulations.

The effectiveness of various Bodies/Committees is evident from the minutes of the meetings/resolutions adopted by the concerned Bodies which are prepared promptly after the meetings and circulated amongst all the members to ensure proper recording.

File Description	Document
Link for organogram of the University	[View Document](#)
Link for minutes of meetings of various Bodies and Committees	[View Document](#)

6.2.3 The University has implemented e-governance in the following areas of operation

1. **Planning and Development**
2. **Administration (including Hospital Administration & Medical Records)**
3. **Finance and Accounts**
4. **Student Admission and Support**
5. **Examination**

Response: All of the above

File Description	Document
Screen shots of user interfaces, if any	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Institutional budget statements allocated for the heads of E-governance implementation ERP Document	[View Document](#)
E-Governance architecture document	[View Document](#)
Any additional information	[View Document](#)

6.3 Faculty and Staff Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff, and other beneficiaries.

Response:

The welfare measures applicable for teaching and non-teaching staff members and other beneficiaries in the MM(DU) are as under:

- Incentive for the publication of Research Papers in SCOPUS/WOS/PUBMED indexed Journals/Conferences
- Incentive for the grant received on account of sponsored Research Projects from external agencies
- Travel grant for attending the National/International Conferences/Workshops in India and abroad
- Best Researcher Awards for Teachers/students
- Seed money to Research Guides for Research Students
- Revenue sharing for carrying out industrial consultancy
- Reimbursement of fee for filing of Patents/Copyrights

- Concession in MM Continental Hotel charges
- Group Mobile (CUG) Scheme on special discounted nominal charges
- Internet/ Wi-Fi facility to all the Staff
- Accommodation in Campus for faculty and staff at subsidized rates
- Concession in treatment in MM Medical College Hospital, Mullana
- EPF/CPF and ESI Schemes for Employees
- Timely promotion as per Regulatory Bodies norms
- Academic Leave/Study Leave and other Leave, including Maternity leave to female employees
- Tuition fee concession for 2 dependent children studying in MM Institutions
- An International School for the children of the Faculty and Staff with concession in Fee
- Group Insurance Policy which covers personal accident insurance with medical expenses reimbursement for staff and students
- Transport facility from surrounding region at subsidized rates
- Incentive of Rs. 5000 on birth of Girl Child in MM Hospital also admissible to employees of the MM(DU)
- Free neonatal care of inborn neonates, also applicable in the case employees of MM(DU)
- Free dispensary and medicines available at subsidized cost
- Free bus services for patients and their attendants from surrounding areas including employees
- Public Health Centres established in Nearby Villages are also available for routine check-up of the families of the employees residing in those localities
- Salary to entire faculty and staff through Bank
- Sports facilities with swimming pool and gymnasium
- Leave encashment at the time of retirement
- Parking facility
- Canteen facility for staff and students
- Market with post office, banks and ATMs

File Description	Document
Link for policy document on welfare measures	View Document
Link for list of beneficiaries of welfare measures	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years

Response: 27.25

6.3.2.1 Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
228	211	188	175	140

File Description	Document
Policy document on providing financial support to teachers	[View Document](#)
List of teachers provided with membership fee for professional bodies	[View Document](#)
List of teachers provided with financial support to attend conferences, workshops etc. during the last five years	[View Document](#)
Institutional data in prescribed format	[View Document](#)
E-copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	[View Document](#)
Audited statement of account highlighting the financial support to teachers to attend conferences/workshops and towards membership fee for professional bodies.	[View Document](#)

6.3.3 Average number of professional development / administrative training programs organized by the University for teaching and non teaching staff during the last five years

Response: 76.6

6.3.3.1 Total number of professional development / administrative training programmes organized by the Institution for teaching and non-teaching staff year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
105	93	66	58	61

File Description	Document
List of professional development / administrative training programmes organized by the University year-wise for the last five years	View Document
Institutional data in prescribed format	View Document
Detailed program report for each program should be made available Reports of the Human Resource Development Centres (UGC ASC or other relevant centres).	View Document
Copy of circular/ brochure/report of training program self conducted program may also be considered	View Document
Certified list of the participants who attended the professional development/administrative training programmes during the last five years	View Document
Certified list of organisations / agencies that sponsored/supported/supervised the programmes	View Document

6.3.4 Average percentage of teachers undergoing Faculty Development Programmes (FDP) including online programmes (Orientation / Induction Programmes, Refresher Course, Short Term Course etc.) during the last five years..

Response: 65.29

6.3.4.1 Total Number of teachers attending such programmes year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
651	347	319	631	290

File Description	Document
List of teachers who attended Faculty Development Programmes including online programmes during the last five years	View Document
List of sponsoring/supporting/supervising agencies	View Document
Institutional data in prescribed format	View Document
E-copy of the certificate of the program attended by teacher	View Document
Annual reports of the AQAR submitted to NAAC	View Document

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

MM (DU) has fully developed Annual Self-Assessment System for the Performance Appraisal of teaching and non-teaching staff. Every teaching staff member is asked to fill the Online Performance Based Appraisal Repot at the end of every academic session as per guidelines stipulated in "UGC Regulations on Minimum Qualifications for Appointment of Teachers in Universities and Measures for the Maintenance of Standards in Higher Education. The appraisal system covers all the aspects of academic, administrative and research activities. Various parameters of the appraisal include, Teaching Assignment; Mentoring; Research Publications; Research Project; Consultancy; Award/Recognition; Organizing Events; contribution in the growth of the institution; etc. The proforma filled by the Faculty Member is checked and verified by the Head of Department/ Principal. Every Principal then sends his/her report to a central committee working in the University office. The committee verifies the information and sends its final report to HR department for further processing. Appraisal reports and the API Score evaluated through PBAS of faculty members are taken into consideration for their promotion under Career Advancement Scheme (CAS).

Further, the online feedback from the students is obtained teacher-wise and course-wise. The various attributes are: Coverage of Syllabus; Lecture Preparation; Subject Knowledge and Delivery; Audio Visual Teaching aids; Punctuality; Sincerity, Communication Skills; Motivation; Overall Rating of the Teacher; etc. The outcome of the feedback analysis is communicated to the concerned teacher for improvement and encouragement.

There is Annual Performance Appraisal system for non-teaching staff, as well. The various assessment parameters are: Punctuality; Ability to learn new things; work independently and in groups; to complete the Work in Time; interpersonal relationship with other Colleagues; Perfection in day-to-day working etc. This evaluation is also used at the time of promotion of non-teaching staff members.

File Description	Document
Link for performance appraisal policy of the institution	**View Document**

6.4 Financial Management and Resource Mobilization

6.4.1 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

Maharishi Markandeshwar (Deemed to be University) under the aegis of Maharishi Markandeshwar Trust is a self-financing "Deemed to be University" established by the Government of India in June, 2007 under section 3 of the UGC Act 1956. It has its twelve constituent institutes including teaching Departments of Law and Agriculture in the same campus. The MM (DU) is not getting any grant-in-aid from any of the government organization to meet with operational and capital expenditure.

The "Deemed to be University" and its constituent Institutes are wholly dependent upon their own financial resources i.e. tuition fee, other academic fee, its hospital receipts, funds generated by way of consultancy being provided to outside agencies and interest accrued on the investments made by the MM(DU) institutions. In addition to these resources, mobilisation is also carried out by contributions from the alumni, providing university labs and buildings for conduct of entrance tests by government and non-government agencies, generation of electricity from roof top solar power plants and sponsorships earned by the faculty/Institution for organizing some conferences/seminars/ workshops, etc. The institutes also receive some funds for Research Projects and partial grants to assist faculty for participation in conferences/seminars, etc. The MM(DU) faculty has been able to get nearly Rs. three crores as research grant from Govt./Non-Govt. sources in last five years. These grants are utilized by the institutions for the purpose for which these are sanctioned and final utilization certificate(s) duly signed by the Finance Officer of the University and Chartered Accountant are sent after completion of the projects.

Optimal use of financial resources is ensured through strict budgetary control on expenditure as per available provisions. The Budget Estimates of the MM(DU) and its Constituent Institutes are prepared in the beginning of the Financial Year, which is further got approved from its Board of Management on the recommendations of the Finance Committee. After the approval of the Budget Estimates the Institutes carry out their expenditure most economically out of the revenue receipts of the concerned institutes by following the due process as per codal rules of the MM(DU) and deficit,if any, is met by raising term loans from the government approved financial institutions and Maharishi Markandeshwar Trust.

The optimization is also achieved by making all purchases through a central purchase committee. Investments out of the academic receipts received in the beginning of the academic year from the students is made in such a manner that inevitable expenditure like salary of the faculty, technical supporting and non-teaching staff of the institutions is credited in the respective Bank Accounts of each of the employees on the first day of the succeeding month. Electricity and water charges, rent rates and taxes, labs/workshop consumables, telephone/internet, petrol/diesel /lubricants are made timely in order to avoid any inconvenience in running the institutions.

File Description	Document
Link for resource mobilization policy document duly approved by BoM / Syndicate / Governing Council	View Document

6.4.2 Funds / Grants received from government / non-government bodies / philanthropists during the last five years (excluding scholarships and research grants covered under Criterion III)

Response: 1793

6.4.2.1 Total funds / Grants received from government /non- government bodies year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
8	16	101	126	1542

File Description	Document
Provide the budget extract of audited statement towards Grants received from non-government bodies, individuals, philanthropist duly certified by chartered accountant and/or Finance Officer	View Document
List of government / non-Governmental bodies / philanthropists that provided the funds / grants	View Document
Institutional data in prescribed format	View Document
Copy of letter indicating the grants/funds received by respective agency as stated in metric	View Document
Audited statements of accounts for the last five years (Refer annexure number -01 as per SOP)	View Document

6.4.3 Institution conducts internal and external financial audits regularly

Response:

The Maharishi Markandeshwar (Deemed to be University) has established an Audit Cell in the Accounts Branch for MM (DU) itself with all of its constituent colleges. The Audit Cell has been divided into two sections namely **INTERNAL AUDIT** and **EXTERNAL AUDIT**. The role of Internal Audit is to provide professional advice to all the levels of the administration and assist the MM (DU) in continuously improving the efficiency and effectiveness of the operations. The Internal Audit submits its report to the administration through its Section Incharge. The Audit Section has strength of technical and qualified accounts personnel possessing the qualifications of Chartered Accountants and Centre and State Accounts

services qualified personnel having vast experience of maintaining and auditing the accounts of the organizations of both Government and Industrial sections. The Section has been assigned the following duties:

1. To conduct Pre-Audit of all the purchases made by the purchase department.
2. Pre-Audit of all the bills before making payment by the Accounts Section.
3. To render advice on matters involving financial implications expenditure to prevent commissioning of any financial irregularity.
4. Scrutiny of all departmental scheme in general and proposals for fresh expenditure in particular from the point of view of financial accounting.
5. Scrutinizing the proposals for grant of Administrative/Financial approval of various projects; and accounts of other schemes sponsored by Government of India/State Government and other Government/Semi Government funding agencies and issue of Audit Certificate.
6. Audit of all revenue receipts of this Deemed to be University and its constituent institutes.
7. To conduct audit of Employees Provident Fund Schemes accounts and ESI accounts and also other welfare schemes introduced by the MM (DU).
8. To conduct physical verification of stores and department labs as per particular direction given by the MM (DU) administration.
9. To conduct performance audit of the schemes.
10. The Audit Cell submits its reports to the administration through their section Incharge.

CONDUCTING POST AUDIT

The Board of Management in order to satisfy itself about the correctness of the accounts and to view a true picture of the financial position of the Institution Deemed to be University has established a separate independent Audit Cell. Accordingly the Board of Management on the recommendations of the Finance Committee of the MM(DU) has appointed M/s Rajiv Goel & Associates Chartered Accountants, 179, Bank Road, Ambala Cantt to conduct the Post Audit of the Accounts maintained by the MM(DU) and its constituent Institutes and on the basis of these books of accounts prepare the Annual Audit Report and Balance Sheet each year. The Audit Report in Form No. 10B under section 12A (b) of the Income Tax Act 1961 prepared by this company is submitted to the MM(DU) for placing the same before the Finance Committee/Board of Management of the Institute for its approval. The perusal of Audit Reports for the last 5 years doesn't show any serious financial irregularity in maintaining Accounts by the MM(DU) for its Institutes.

File Description	Document
Link for policy on internal and external audit mechanisms	[View Document](#)
Link for financial audit reports for the last five years (Refer annexure number -01 as per SOP)	[View Document](#)

6.5 Internal Quality Assurance System

6.5.1 Instituion has a streamlined Internal Quality Assurance Mechanism

Response:

MM(DU) has a functional Internal Quality Assurance Cell (IQAC), constituted in accordance with the NAAC guidelines. Currently the IQAC is having Vice-Chancellor as the Chairman of the IQAC and having representation from students, faculty, management of MM (DU), parents, alumni, local community, industry and academicians from other reputed universities. A senior faculty member has been appointed as Director of IQAC. The mechanism, primary functions and activities of IQAC are described as follows: -

Academic Audit: IQAC conducts academic audit of all of its constituent institutes/departments on regular basis twice a year. The audit process is conducted by two academicians of other departments/institutes and one representative from IQAC cell. The report of audit is analyzed and sent to the concerned department for submission of compliance report by the said department/institute.

Administrative Audit: MM (DU) has a well-defined mechanism for administrative audit of academic, examination and accounts sections of the MM (DU) every year. Administrative audits are conducted at two levels; internal and external. In internal audits the inventories of laboratories and libraries are verified at the end of academic year and necessary corrective measures are taken. In external audit the offices of Academic Section, Administrative Section, Examination branch, etc. are audited by external experts and necessary corrective actions are taken based on their observations.

The MM(DU) has established an Audit Cell in its Accounts Branch. This Cell has been divided into two sections namely **INTERNAL AUDIT** and **EXTERNAL AUDIT**. The role of Internal Audit is to provide professional advice in continuously improving the efficiency and effectiveness of the operations. The Internal Audit submits its report to the administration through its Section Incharge. For external audit, M/s Rajiv Goel & Associates Chartered Accountants, Ambala Cantt have been appointed to conduct the Post Audit of the Accounts maintained by the MM(DU) and its constituent Institutes and on the basis of these books of accounts prepare the Annual Audit Report and Balance Sheet each year.

Preparation and implementation of policy for research and innovation promotion: To promote research, IQAC of MM(DU) has prepared and implemented research promotion policy with the approval of the BoM. It has provision of providing financial incentives and research awards to faculty/researchers/students on publication in Scopus/WOS/Pubmed indexed Journals or award of Patents. The whole process from filing the application to final award of incentive is monitored by IQAC cell.

Feedback from Stakeholders: IQAC is actively involved in collection, analysis of feedback from various stakeholders of the MM (DU) like students, faculty, alumni, professionals, employers, etc. and preparation of action taken reports. The reports of feedback obtained from various stakeholders are placed before of the IQAC members where these are discussed and needed corrective measures as deemed fit are taken.

Activities conducted by IQAC: IQAC organizes various quality related seminars, conferences/workshops for faculty and students at regular intervals. Seminar on NAAC "RAF", Clinical quality development programs, Research promotion seminars/activities, FDP on "Innovation in a Classroom" in Collaboration with Danish Consortium (Accredited by the Danish Ministry of Education) are few of them that were organized in 2018-19.

Participation in NIRF/NABH/NBA/QS Star ranking: Since 2017, Every year MM (DU) and it's selected constituent institutes participate in National Institute Ranking Framework. The participation in

NIRF is mediated through IQAC. All constituent institutes are having institutional level cell, which compiles the data required for NIRF and sends to central IQAC. Central IQAC then analyzes and evaluates the data and application submission process is accomplished. In addition to this, IQAC has also been involved in various other accreditation/ranking processes like NABH, NBA, and QS Star Rating. In the recent NIRF 2020 rankings, the MM (DU) has been ranked 93rd in the University category including all the Government and private Universities, while its Dental, Medical and Pharmacy Institutes have been ranked 25th, 33rd and 28th respectively among top Government and private Institutes. The teaching hospital of MM Institute of Medical Sciences & Research has been granted NABH accreditation since September, 2019. The B. Pharm. program of Pharmacy College has been also accredited by NBA.

Preparation of AQAR: IQAC cell collects data from different constituent institutions, analyzes it, and compiles it in accordance with instructions given by NAAC for preparation of Annual Quality Assurance Report. AQAR for year 2015-16, 2016-17, 2017-18 and 2018-19 have already been filed within prescribed time limits given by NAAC.

Conduct of Student Satisfaction Survey: A student satisfaction survey (SSS) was conducted using online google form in the month of May-June, 2019. The survey questionnaire contained 23 questions. Out of these 23 questions, 22 were objective type while q. no 23 was subjective in which students had to respond about their views. The link of online form was shared with all currently enrolled students of 2018-19. A total of 1022 students across all constituent institutes/colleges/departments of the MM (DU) responded in this survey. Responses of all participants were recorded and mean was calculated for each of the objective type questions. The responses of the students in 22 objective questions were rated on 0-4 scale (0-poor, 1-average, 2- Good, 3- Very good and 4- Excellent). In all questions, the observed mean score revealed very good to excellent perception (Overall mean score 3.60) given by students on various aspects like teaching, learning and evaluation methods and overall experience. In terms of percentage the student satisfaction level found was 90%.

Quality Strategies adopted by MM(DU): On the recommendations of IQAC, several quality initiatives and strategies were adopted in order to inculcate quality culture in curriculum development, teaching and learning, examination and evaluation, Library and ICT, administration, academic, research, evaluation and academia industry interaction aspects. Introduction of one point solution (online students grievance redressal system), academic and administrative autonomy to constituent institutes, establishment of ICT facilities, a number of MoUs signed, massive academia and industry initiatives, set up of business incubation center with support of MSME are few illustrations to delineate the functioning of the Internal Quality Assurance Cell of Maharishi Markandeshwar (Deemed to be University).

File Description	Document
Link for the structure and mechanism for Internal Quality Assurance	[View Document](#)
Link for the report on the initiatives for the appointment of a fulltime Director/Officer for the IQAC	[View Document](#)
Link for the minutes of the IQAC meetings	[View Document](#)

6.5.2 Quality assurance initiatives of the Institution include: 1. Academic and Administrative Audit (AAA) and initiation   of follow-up action 2. Conferences, Seminars, Workshops on quality 3. Collaborative quality initiatives with other Institution(s) 4. Orientation programmes on quality issues for teachers   and students 5. Participation in NIRF process 6. Any other quality audit by recognized State, National or   International agencies (ISO, NABH, NABL Certification,   NBA, any other)

Response: A. All of the above

File Description	Document
Report /certificate of the Quality Assurance Initiatives as claimed by the Institutions eg: NBA, ISO, NABH, NABL, AAA etc.,	View Document
Institutional data in prescribed format	View Document
e-copies of the accreditations and certifications	View Document
Link for AQARs prepared by IQAC.	View Document

6.5.3 Impact analysis of the various initiatives carried out and used for quality improvement

Response:

IQAC monitors different quality initiatives such as academic and administrative audits, implementation of policy for research and innovation promotion, feedback collection, students' performance and grievances redressal system, etc.

Student performance, Teaching Learning, Assessment process and learning outcomes: These parameters are monitored mainly through the academic audits conducted periodically by the Internal Quality Assurance Cell. The issues pertaining to the quality of the teaching-learning processes are shared with concerned HoDs and the compliance reports submitted by them are discussed in the IQAC meetings.

The results of final Examination are analyzed and communicated to concerned Heads of the Departments for corrective measures to be taken. Learning outcomes of students have been enhanced through implementation of Choice Based Credit System/Elective course system in nearly 40 programs. A number of new courses/programs have been introduced since last accreditation which help to enhance the learning and employability of the students. Further, the curriculum has also been updated from time to time to keep the same as most relevant and as per the requirements of the recruiters.

Feedback System: All the constituent colleges of the MM(DU) have a well-defined system for obtaining the feedback from the students. The whole process is monitored by the IQAC through a Questionnaire prepared for the purpose (which is based on NAAC recommendations). The findings of the feedback are regularly taken up for deliberations and follow up action at various levels. Inputs from teachers, parents, alumni and employers are also regularly sought, analyzed and necessary actions are undertaken in terms of updates of various policies, management strategies, administrative processes, infrastructure and facilities, etc.

Research and Development: IQAC has taken several initiatives like implementation of research policy, enhancement of research facilities, incentives to researchers, seed money grant, providing travel grant for attending conferences/seminars and paper presentations. The impact of these initiatives has reflected in the enhancement of h-index of the MM(DU) from 21 to 51, citations and other research activities during the last five years.

Administrative Audits: Administrative audits are conducted at two levels; internal and external. In internal audits the inventories of laboratories and libraries are verified at the end of academic year and necessary corrective measures are taken. In external audit the offices of Academic Section, Administrative Section, Examination branch, etc. are audited by external experts and necessary corrective actions are taken based on their observations.

Finance: The MM(DU) has established an Audit Cell in its Accounts Branch. This Cell has been divided into two sections namely **INTERNAL AUDIT** and **EXTERNAL AUDIT**. The role of Internal Audit is to provide professional advice in continuously improving the efficiency and effectiveness of the operations. The Internal Audit submits its report to the administration through its Section Incharge. For external audit, M/s Rajiv Goel & Associates Chartered Accountants, Ambala Cantt have been appointed to conduct the Post Audit of the Accounts maintained by the MM(DU) and its constituent Institutes and on the basis of these books of accounts prepare the Annual Audit Report and Balance Sheet each year.

File Description	Document
Link for relevant documents/information on the process and results of impact analysis on the above aspects	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the institution for the promotion of gender equity during the last five years.

Response:

MM (DU) is promoting gender equity in letter and spirit by creating opportunities for both the genders equally, giving leadership roles to women employees and providing a congenial environment wherein both the genders can grow and develop mutually and equally. It provides very safe and healthy environment and facilities for the female students, staff and visitors. Details of the facilities, activities and committees to ensure the sensitisation towards this vital issue in the campus are given as under:

1. **Internal Complaint Committee:** In order to sensitize on gender equity and to adopt necessary measures to deal with the complaints of sexual harassment of women at work place, if reported, this committee takes up the swift measures to the satisfaction of the complainants.
2. **Sensitization and Awareness activities:** MM (DU) sensitizes the students and staff members on gender equity from time to time by celebrating International Women's Day, conducting various awareness activities like National and International conferences and seminars, workshops, guest lectures, trainings programs, competitions on gender equity. The activities are also conducted by Legal aid cell in collaboration with the National Human Rights Commission, District Legal Services Authority and NGOs to educate the masses about menace of dowry, girl child, domestic violence, etc.
3. **Women Study Centre:** This deemed to be university also has formed a Women Study Centre which conducts different activities for the promotion of gender equity.
4. **Day Care Centre for Young Children:** The day care centre for young children of working women employees has also been established in the campus. It has clean and healthy environment with a dedicated care taker and is equipped with games and toys for young children.
5. **Safe and Healthy Environment for Women:** The environment is safe and is constantly monitored through CCTV and biometric machines at entry, exit and other strategic points. No outsider is allowed to wander in the campus. Separate hostels for boys and girls provide safe campus life with round the clock security.
6. **Gender Friendly Working conditions:** There are about 45% girl students and women staff members in this Deemed to be University. They also share reasonably good number in high and top positions like Deans, Principals, HoDs, etc. indicating the faith in female leadership. There is equal pay for equal work, maternity benefits, just and safe conditions of work and study and proper recognition for women.
7. **Curricular and Gender Equity:** Equal opportunities are provided to both genders. There is a separate Nursing institute for women only. Various women specific subjects like Women and Law in the Department of Law and other subjects in the Nursing and Medical College are taught. Two years extension is allowed to female PhD students over and above the permissible period of six years, in addition to maternity and child care leave.
8. **Other Relaxation for Women:** Special holidays are allowed to female employees on 'Raksha Bandhan', 'Karva Chauth' and Bhaiya Dooj. Separate Common Rooms have been provided for girl students in different Institutes of the MM(DU).

File Description	Document
Any additional information	[View Document](#)
Link for specific facilities provided for women in terms of- a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	[View Document](#)
Link for annual gender sensitization action plan	[View Document](#)

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. **Solar energy**
2. **Biogas plant**
3. **Wheeling to the Grid**
4. **Sensor-based energy conservation**
5. **Use of LED bulbs/ power efficient equipment**

Response: Any Four of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
Geo-tagged photographs of the facilities	[View Document](#)
Any additional information	[View Document](#)
Link to additional information	[View Document](#)

Other Upload Files	
1	[View Document](#)
2	[View Document](#)

7.1.3 Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- **Solid waste management**
- **Liquid waste management**
- **Biomedical waste management**
- **E-waste management**
- **Waste recycling system**
- **Hazardous chemicals and radioactive waste management**

Response:

MM (DU) has adopted the "Swachh Bharat Mission" abhiyan initiated by Hon'ble Prime Minister of

India; to attain the highest level of cleanliness in its campus.

1. Solid Waste Management: Blue and green coloured 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. The waste from the dumping yard is collected by the authorized vendors for further processing. Students are also motivated, to make good use of the dry solid waste to make decorative items, by organizing competitions like "Best out of Waste".

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.

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

Category	Types of Waste	Type of Bag or Container to be used
Yellow	Human anatomical waste, Soiled waste, Expired or Discarded Medicines, Chemical waste, Discarded linens contaminated with blood or body fluid, microbiology, biotechnology and other 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 namely Shivalik Solid Waste Management Limited, Nalagarh, H.P.

5. Waste Recycling System: Waste recycling plants namely Sewage Treatment Plants (STPs) and Effluent Treatment Plants (ETPs) system are present in the campus for liquid waste water recycling.

- **Number of Sewage Treatment Plants: 02**
- **Number of Effluent Treatment Plant: 01**

6. 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.

File Description	Document
Any additional information	[View Document](#)
Link for Geo-tagged photographs of the facilities	[View Document](#)
Link to relevant documents like agreements/MoUs with Government and other approved agencies	[View Document](#)

7.1.4 Water conservation facilities available in the Institution:

1. **Rain water harvesting**
2. **Borewell /Open well recharge**
3. **Construction of tanks and bunds**
4. **Waste water recycling**
5. **Maintenance of water bodies and distribution system in the campus**

Response: All of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)
Geo-tagged photographs / videos of the facilities	[View Document](#)

7.1.5 Green campus initiatives include:

1. **Restricted entry of automobiles**
2. **Battery-powered vehicles**
3. **Pedestrian-friendly pathways**
4. **Ban on use of Plastics**
5. **Landscaping with trees and plants**

Response: All of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional informatiom	[View Document](#)
Link to additional information	[View Document](#)
Geo-tagged photos / videos of the facilities	[View Document](#)

7.1.6 Quality audits on environment and energy regularly undertaken by the Institution and any awards received for such green campus initiatives:

- **Green audit**
- **Energy audit**
- **Environment audit**
- **Clean and green campus recognitions / awards**
- **Beyond the campus environmental promotion activities**

Response: Any Four of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)
Audit reports of the institution related to the metric	[View Document](#)
Link for additional information	[View Document](#)

7.1.7 The Institution has disabled-friendly, barrier free environment

- **Built environment with ramps/lifts for easy access to classrooms.**
- **Disabled-friendly washrooms**
- **Signage including tactile path, lights, display boards and signposts**
- **Assistive technology and facilities for persons with disabilities (*Divyangjan*) accessible website, screen-reading software, mechanized equipment**
- **Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

Response: All of the above

File Description	Document
Relevant documents / reports	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Additional information	[View Document](#)
Link for relevant geo-tagged photographs / videos	[View Document](#)

7.1.8 Describe the institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words)

Response:

The MM(DU), Mullana imbibes a spectrum of universal human values in the young minds such as tolerance, empathy, gratitude, brotherhood etc. It also exhibits a panorama of "Unity in Diversity" which is greatly influenced by post modernization and globalization.

The biggest example of cultural diversity can be seen through the range of various nationalities residing, working and learning together. Presently more than 4000 students are enrolled from other states and 900 of them are from other Asian countries like South Korea, Nepal, Bhutan, Bangladesh, etc., African countries like Tanzania, Zambia, Zimbabwe, etc., Australia, Canada and some European countries as well. Not only cultural differences but regional diversity is also evident here as students from all states come to gain knowledge in various courses.

To bring the cultural flavors of North East to the Green Land of Haryana, the MM(DU) organizes North East Cultural Fiesta in which the students participate by making a North Eastern House that exhibits all the 8 states and food stalls of their culture. Likewise, foreign students also showcase their cultural heritage through their dance forms and traditional attire on various occasions.

Whether from Assam, Bihar, Jammu and Kashmir or Tamilnadu, they all sit together in the classroom leaving aside their regional differences. Instead of calling themselves by the names of their respective states or regions, they proudly say "We are from MM(DU)". Such a beautiful picture of the youth of whole nation can be seen at a single place. To showcase the culture of the different states of India, a big platform is provided to the students in an annual national level youth fest called 'UniversuMM' in which various kinds of events like cultural, sports, literary, technical, etc. organize not only for the students of the university but also from other institutions across the country. Students from various states and countries present regional/ folk group songs and group dances in their traditional attire.

The students from different states and regions differ from each other as far as the medium of expression is concerned. They speak, express and communicate in their own languages and dialects. This richness of different languages adds a variety of colours to the MM(DU). Students get a number of opportunities on regular intervals to express themselves in their native languages whether it's 'Ammunation', 'UniversuMM' or 'MatriBhasha Divas'.

In MM(DU), students from various communities have been learning and staying together giving a

powerful message of 'Unity in Diversity'. Every community can freely celebrate their festivals like Eid, Diwali, Ganesh Pooja, Gurupurb, Christmas, etc. and get constant encouragement from MM(DU) and its faculty as well. They feel like 'they are in their own homes'.

Students from various economic backgrounds get quality education here. Their economic disparities hardly make any difference in terms of their presence in classrooms and hostels as well. Women's club of the MM(DU) conducts various programmes to create awareness about gender issues which includes group discussions, debates, etc.

File Description	Document
Link to supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View Document](#)
Link for additional information	[View Document](#)

7.1.9 Sensitization of students and employees of the institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Response:

Several activities are organized by the MM (DU) to inculcate values among the students and the staff of being responsible citizens as reflected in the Constitution of India and to abide by the constitutional duties like to abide by the Constitution; to respect National Flag and National Anthem; to follow ideals of the freedom struggle; to protect sovereignty and integrity of India; to defend the country and render national services when called upon; to preserve composite culture; to preserve natural environment; to develop scientific temper; to safeguard public property; to strive for excellenc; etc.

MM(DU) has always been a pioneer in honoring such great days and events that make us feel proud of being a citizen of such a great country. Republic Day and Independence Day are celebrated on which various patriotic acts like 'Nukkad Natak' and songs are performed in MM(DU) campus and nearby villages, when our great freedom fighters are remembered.

On occasions of various days related to our freedom fighters and other National heroes, many cultural and other activities are organized. The celebrations of these days sensitize the students and staff to follow their ideals. On October 31st, National Unity Day is celebrated. On this occasion, the contribution made by our great leader Sardar Vallabh Bhai Patel in the unification of the country is recalled. Events like "Run for Unity", etc. are organized to unite the students of different regions.

Various other events are also organized on directives from the University Grants Commission from time to time. On January 25th, National Voters Day is celebrated to encourage and help students in the process of making Voter-IDs. Visits to some of the surrounding villages are also organized to make the local population aware about their duty towards the nation that they must 'Vote' and participate in the democratic process for forming a people's Government of their choice for the growth and development of the country. 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. Further, to inculcate and increase awareness about human values, the basic and advanced courses on Human Values are conducted on regular basis.

File Description	Document
Any additional information	View Document
Link to details of activities that inculcate values, necessary to render students in to responsible citizens	View Document
Link additional information	View Document

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

1. **The Code of conduct is displayed on the website**
2. **There is a committee to monitor adherence to the code of conduct**
3. **Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
4. **Annual awareness programmes on code of conduct are organized**

Response: All of the above

File Description	Document
Institutional data in prescribed format	View Document
Institutional code of conduct and code of ethics	View Document
Details of the monitoring committee of the code of conduct	View Document
Web link of the code of conduct	View Document
Link for additional	View Document

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals

Response:

There are different clubs which play a significant role in celebration of important National and International days, other events and festivals. Some of the activities are held at the respective department level where students take the initiative to celebrate the events like Engineer's Day, Constitution Day, World Physiotherapy Day, etc.

The details of some of the events which are organized on yearly basis in the MM(DU) are as under:

1. On January 12th every year, birthday of Swami Vivekananda is celebrated as 'National Youth Day'. Various events like Essay writing competition, Debate competition, poster making, orations, etc. are organized.

2. On January 25th, National Voters Day is celebrated to encourage and help students in the process of making Voter-IDs. Village visits are also organized to make the local population aware about their duty towards the nation that they must 'vote' and participate in the democratic process for forming a people's Government of their choice for the growth and development of the country.

3. On January 26th, the Republic Day and on August 15th, Independence Day are celebrated on which occasions various patriotic acts like 'Nukkad Natak' and songs are performed in MM(DU) campus and nearby village, when our great freedom fighters are remembered.

4. On February 28th, 'National Science Day' is observed to make the students aware about latest technology and research. Science model exhibition, public speeches and Quiz competitions are the major activities on this day.

5. On March 8th, 'International Women's Day' is celebrated to increase and empower feminism. Various 'Nukkad Natak' and Rallies are organized to develop positive thinking among the students for their fellow girl students and women which ultimately results in 'Women Empowerment'.

6. On May 31st, the 'World No Tobacco Day' is celebrated when focus is on enhancing knowledge regarding bad effects of tobacco on heart and other cardiovascular diseases and further helping them avoid use of tobacco and nicotine. Years before in a similar function, the MM(DU) was declared as 'No Tobacco Zone'.

7. 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.

8.   On June 14th, World Blood Donor Day is celebrated across the campus in joint collaboration of NSS, Red cross and Medical Institute of MM(DU) to raise awareness about the need for regular blood donations for saving lives.

9. On June 21st, 'International Yoga Day' jointly by the faculty, administrative staff and students is celebrated to raise the awareness about Yoga.

10. On October 31st, National Unity Day is celebrated. On the occasion, the contribution made by our great leader Sardar Vallabh Bhai Patel in the unification of the country is recalled. Events like "Run for Unity", etc. are organized to unite students of different regions and faith.

File Description	Document
Link for annual report of the celebrations and commemorative events for the last five years	[View Document](#)
Link for Geo-tagged photographs of some of the events	[View Document](#)

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Response:

Title of Best Practice - I: *Providing Community and Social Outreach Services*

1. Objectives of the Practice:

- To provide best community health services
- To provide education and awareness on health issues to deprived poor local community
- To provide education and awareness on socially relevant issues
- To provide legal aid services
- To provide affordable quality health care to the rural masses

2. **The Context:** Maharishi Markandeshwar (Deemed to be University), Mullana is situated in remote rural location at Village Mullana. The rural poor population in nearby area is dependent primarily on Government primary health care service centers. MM (DU) has a 940-bedded hospital associated with Medical College (MMIMSR), a Dental College with Dental Hospital equipped with state-of-the-art facilities, two Nursing Colleges, one Pharmacy College, a teaching department of Law and one Physiotherapy College. MM (DU) along with its hospitals is serving the local population to meet the objectives mentioned above.

3. **The Practice:** The students, faculty and staff members of different constituent institutes of MM (DU) regularly participate in various community and social outreach activities like free Medical Camps, Free Dental Checkup Camps, Health Awareness Camps, Legal Aid Camps apart from creating awareness about gender sensitization, gender equity, cleanliness, etc. The above practices are useful for local community on the one hand while providing opportunity to students and faculty to connect with local population on the other. It helps the students to understand the ground realities of healthcare and social status of community. MM(DU) has also established Satellite Primary/Rural/Urban Health Centres where regular healthcare services are provided with the help of faculty members and students from the programs related to Medicine/Dentistry/ Nursing/Physiotherapy.

4. **Evidence of Success:** MM (DU) is adopting various methodologies for meeting needs of local social periphery. A 940 bedded NABH accredited super speciality hospital is fully functional with state-of-the-art modern facilities (like MRI, CT Scan, Advance Surgeries etc.) to meet with the local health care needs.

Our Medical College is first in Haryana to get full NABH accreditation and also first to get Gold

Certificate under Aayushmaan Bharat (PM-JAY) which is a testimony to our commitment towards excellence to provide quality health care at most affordable cost. The teaching hospital also has highly advanced state-of-the-art equipments 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 Anaesthesia System (ICCA) for e-ICU.

Providing healthcare services at nominal cost is the biggest strength of the MM (DU). Along with this through curricular, extracurricular and outreach activities (Rural posting of interns, organizing health camps for rural population, establishing PHCs in nearby villages like Mullana, Barara, organizing blood donation camps, social surveys, field projects, NSS activities, etc.), MM (DU) is playing a major role in development of nearby villages.

During the last five years, the MM(DU) has organized more than 800 extension and outreach activities with the participation of about 15000 students of the institutions of Medical Sciences, Dental Sciences, Physiotherapy, Nursing, Pharmacy, etc., which have benefitted nearly 70000 patients and other residents of surrounding rural region.

Providing healthcare services at nominal cost is the biggest strength of the MM(DU). A large number of local population is benefited with the services offered by MM(DU). Year-wise number of patients treated in the teaching hospital during the last five years is as given in the following table:

Clinical Material	2019	2018	2017	2016	2015
OPD	854691	849504	849126	845426	845421
IPD	53780	53085	52531	52531	52417
Bed Occupancy	82%	82%	81%	82%	80%
Major Surgeries	16171	16158	15941	14893	14633
Minor surgeries	20763	20535	19918	20321	19466

As already mentioned, the MM(DU) has been providing these state-of-the-art medical facilities at a very nominal cost. Earlier the people of the region had to rush to PGI Chandigarh for any emergency. But now due to the establishment of the MM(DU) hospitals, people from neighboring States like UP, are also coming in large number for their treatment.

MM(DU) also provides free health care to the expecting mothers and free services for child birth in terms of investigation, ambulance, hospital admission, etc. There is a provision to give Rs. Five thousand to the family on birth of a girl child. The institute is also providing special care to socially and economically vulnerable groups to fulfil their health care needs. Free bus service is provided to patients and their attendants coming from nearby villages and also for patients and their accompanists coming by train at Railway Station Barara as a matter of daily routine.

During COVID period, MM Hospital has been designated as a **COVID hospital**, which is getting patients from surrounding districts of the state of Haryana and Uttar Pradesh. MMIMSR has a distinction of serving maximum number of COVID patients in the region by any private medical college. Our UG and PG students have also been posted in peripheral Govt. Centres to take care of COVID patients.

5. Problems Encountered and Resources Required

Reimbursement or subsidized treatment by the Government shall help the poor patients who are not covered under PMJAY scheme to avail maximum benefit of the hospital facilities. Although we are continuously working on public awareness yet more efforts are needed so that we can extend our state-of-the-art and highly cost effective medical facilities available at our hospital to a larger population.

Title of Best Practice - II: *Special focus on Intra-University and Inter-University Co-curricular & Extra Curricular activities*

1. Objectives of the Practice:

- Engaging students in Co-curricular & Extra-Curricular activities
- Holistic development of the students.
- To reduce the stress of the students' academic life.

2. The Context: Co-curricular activities are meant to bring social skills, intellectual skills and moral values among the students. Participation in various cultural activities like singing, dancing, debates, plays, etc. helps them to sharpen their communication skills, expressive skills and public speaking. Activities such as Athletics, Gymnastics, Yoga, Indoor & Outdoor games cater to the physical and mental health of the students. Engaging students in a team-activity help them to develop their leadership skills, team integrity and team spirit.

3. The Practice: MM(DU) organizes Co-curricular & Extra-Curricular activities under the following categories:

i). **Intra-Institute activities**: Each of the 12 constituent Institutes /Colleges organizes various cultural, sports, fitness, and social activities in their respective Institute.

ii). **Intra-University/Inter-College activities**: Department of Students Welfare takes up the responsibility of engaging students in Inter-College activities.

1. **Ammunation:** The Intra-University Youth Fest in which over 45 competitions in the field of Music, Dance, Theatre, Fine Arts, Fashion, Literary, Quizzing, Film Making, etc. are organized each year.
2. **Vasudhaiva-Kutumbkam:** International Cultural Fiesta is organized annually in which students of the MM(DU) and its Institutes represent the culture of various States/Nations through Stall Exhibition, Music, Dance and Food.
3. **Annual Athletic Meet:** The Sports Council of MM (DU) under the aegis of Department of Students Welfare takes up the responsibility of organizing about 15-20 Inter-College Sports & Fitness Competitions.

MM (DU) also has over 20+ established Student Organizations/Clubs which organize activities/competitions in various domains like photography, academic & technical proficiency, creativity, innovation, literary, public speaking, etc. across the year.

iii). **Inter-University Activities**: While the Intra-University activities help identify the talent studying at our University, it is also our responsibility that they get to compete with the best in their respective area of

interest. With this objective, MM(DU) organizes its annual National Youth Festival called UniversuMM in which students from an average 150+ Universities from across India lock their horns to prove their might in more than 100 events.

MM (DU) also organizes a number of activities in coordination with the established organizations such as the Association of Indian Universities. In 2018, MM (DU) hosted the 33rd AIU North Zone Inter-University Youth Festival and AIU North Zone Inter-University Cricket Tournament (Women).

4. Evidence of Success: It has been observed during the last few years that those students who had keenly engaged themselves in Co-curricular/Extra-Curricular activities were more successful in both campus placements as well as professional life thereafter. Some students who had been successful in Cultural activities have established themselves as professionals in the Entertainment Industry. Some students have also turned up to be ambassadors of the University by proving their excellence at the National Level. Ms. R Soafy Karine, a BBA student from Madagascar has won the second runner up award in Western Vocal Solo in AIU National Inter-University Youth Festival 2018 and has been recognized as western music artists ever since. Mr. Sangam won the first runner up in Mimicry (Beat Boxing) at the AIU National Inter-University Youth Festival 2020. He has been producing music on his own at the regional level. Participation in such events has helped the students in general to hone their latent skills and also enabled them to learn organizing capabilities. In last five years, The MM(DU) has organized nearly three hundred sport and cultural activities, which have helped the students to win more than four hundred awards/medals for outstanding performance at state/regional /national/international level.

5. Problems Encountered and Resources Required: MM (DU) has 12 constituent Institutes which are governed according to different regulatory bodies. Each Institute has its own academic calendar having differently scheduled academic engagements. Planning for Inter-University activity is even more difficult as we have to take academic calendar of participating Universities under consideration. However, these issues are sorted out with mutual consultation.

File Description	Document
Any additional information	[View Document](#)
Link of the best practices in the Institutional web site	[View Document](#)

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

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 for dry waste and wet waste, respectively, 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	Types of Waste	Type of Bag or Container to be used
Yellow	Human anatomical waste, Soiled waste, Expired or Discarded Medicines, Chemical waste, Discarded linens contaminated with blood or body fluid, microbiology, biotechnology and other 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 namely Shivalik Solid Waste Management Limited, Nalagarh, H.P.

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.

File Description	Document
Any additional information	View Document
Link of appropriate Web link in the Institutional website	View Document

5. CONCLUSION

Additional Information :

The MM institutions have made a mark in the field of health, technical and professional education with the concerted efforts of Shri Tarsem Garg, founder Chairman of the MM Trust, (erstwhile MM Education Trust) and Chancellor of this Deemed to be University. It was he, who dreamt of making professional education available to all the deserving students of the region and translated that dream into reality by his strong will power. Having established the MM Education Trust in 1993, he has put up a number of institutions of high-profile professional courses in a short span of nearly 25 years equipping all of them with excellent infrastructural facilities in the best interest of the students.

Concluding Remarks :

The MM(DU) has been recognized for its quality education and facilities by various National and International organizations. In NIRF 2020 rankings, the MM (DU) has been ranked 93rd in the University category, while its Dental, Pharmacy and Medical Institutes have been ranked 25th, 28th and 33rd respectively among top Government and private Institutes. In NIRF 2017, 2018, 2019 as well, the MM(DU) and its constituent institutes have been ranked amongst top institutions of the country. In first cycle, the MM (DU) was accredited by NAAC with 'A' grade. It has also been accredited by ASIC of UK as one of the Premier Institutions. The teaching hospital of MM Institute of Medical Sciences & Research has been granted NABH & NABL accreditation. The B. Pharm program has also been accredited by NBA. The MM (DU) was awarded 'five stars' in teaching, employability, facilities and social responsibility as also with overall 'three stars' ranking by world renowned QS Stars. Recently, the MM (DU) has been placed in 551-600 rank band in QS world rankings 2021 of ASIA region while it has got ranks of 117 and 179 respectively in proportion of international students and Faculty-Student ratio indicators.

In a competitive world, where the sole focus of Institutes is just academia and job related queries and solutions, we at MM(DU) believe in the holistic development of the students with all their talents. We instil passion and creativity as also encourage their unique thinking and give them confidence to innovate and think not just out of the box but far away from it where the perspective is futuristic yet realistic.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.1.2	Percentage of Programmes where syllabus revision was carried out during the last five years 1.1.2.1. How many programs were revised out of total number of programs offered during the last five years Answer before DVV Verification : 133 Answer after DVV Verification: 111 Remark : The input has been changed considering all the Ph.D Programs as Single in this metric as well as the extended Profile metric 1.1, where the value has changed from 173 to 147 . NAAC to enter value 147 in metric EP 1.1
1.3.3	Percentage of students successfully completed the value-added courses during the last five years 1.3.3.1. Number of students who successfully completed the value-added courses imparting transferable and life skills offered year-wise during the last five years Answer before DVV Verification: <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>4234</td><td>2781</td><td>2337</td><td>2039</td><td>1527</td></tr></table> Answer After DVV Verification : <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>4234</td><td>2781</td><td>2337</td><td>2039</td><td>1527</td></tr></table>
1.4.1	Mechanism is in place to obtain structured feedback on curricula/syllabi from various stakeholders.Structured feedback received from: 1. Students 2. Teachers 3. Employers 4. Alumni 5. Professionals Answer before DVV Verification : A. All of the above Answer After DVV Verification: A. All of the above
2.3.4	Student :Mentor Ratio (preceding academic year) 2.3.4.1. Total number of mentors in the preceding academic year Answer before DVV Verification : 675 Answer after DVV Verification: 675
2.4.3	Average teaching experience of fulltime teachers in number of years (preceding academic year)

2.4.3.1. Total teaching experience of fulltime teachers in number of years (cumulative experience)
Answer before DVV Verification : 8494 years
Answer after DVV Verification: 8481.47 years

2.4.5	Average percentage of fulltime teachers who received awards and recognitions for excellence in teaching, student mentoring, scholarships, professional achievements and academic leadership at State, National, International levels from Government / Government-recognized agencies / registered professional associations / academics during the last five years 2.4.5.1. Number of fulltime teachers who received awards and recognitions for excellence in teaching and student mentoring, scholarships, professional achievements and academic leadership at State, National, International levels from Government / Government-recognized agencies / registered professional associations */ academies* during the last five years Answer before DVV Verification: 	2019-20	2018-19	2017-18	2016-17	2015-16
70	52	16	33	16 | Answer After DVV Verification : | 2019-20	2018-19	2017-18	2016-17	2015-16
61	49	15	31	15 | Remark : values have been corrected as per NAAC advice after removing the appreciation letters by private organization and considering those appreciation certificates by reputed govt. organizations only
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3.1.3	Average Percentage of teachers awarded national/ international fellowship / Financial support for advanced studies/collaborative research participation in Indian and Overseas Institutions during the last five years 3.1.3.1. Number of teachers awarded national/ international fellowship / Financial support for advanced studies/collaborative research and conference participation in Indian and Overseas Institutions year-wise during the last five years Answer before DVV Verification: 	2019-20	2018-19	2017-18	2016-17	2015-16
304	203	180	166	131 | Answer After DVV Verification : | 2019-20	2018-19	2017-18	2016-17	2015-16
304	203	180	166	131	
3.1.4	Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates, other research fellows in the university enrolled during the last five years

	3.1.4.1. The Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows in the university enrolled year-wise during the last five years Answer before DVV Verification: 	2019-20	2018-19	2017-18	2016-17	2015-16
92	26	18	20	17 | Answer After DVV Verification : | 2019-20	2018-19	2017-18	2016-17	2015-16
92	26	18	20	17	
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3.1.6	*Percentage of departments with recognition by* **ICMR-CAR, DST-FIST, DBT, MCI, DCI, PCI, AICTE, AYUSH, NACO, WHO,** *NIH etc. and other similar recognitions by national and international agencies,* (excluding mandatory recognitions by Regulatory Councils for UG /PG programmes) 3.1.6.1. The Number of departments with recognition by ICMR-CAR, DST-FIST, DBT, MCI, DCI, PCI, AICTE, AYUSH, NACO, WHO, NIH etc. and other similar recognitions by national and international agencies Answer before DVV Verification: 	2019-20	2018-19	2017-18	2016-17	2015-16
5	2	3	4	5 | Answer After DVV Verification : | 2019-20	2018-19	2017-18	2016-17	2015-16
2	2	3	2	2 | 3.1.6.2. Number of departments offering academic programmes year - wise during last five years. Answer before DVV Verification: | 2019-20	2018-19	2017-18	2016-17	2015-16
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3.2.1	Total Grants for research projects / clinical trials sponsored by non-government sources such as industry, corporate houses, international bodies, endowments, professional associations, endowment-Chairs etc., in the Institution during the last five years 3.2.1.1. Grants for research projects sponsored by non-government sources such as industry, corporate houses, international bodies, endowments, professional associations, endowment-Chairs in the institution year-wise during the last five years (INR in Lakhs) Answer before DVV Verification: 	2019-20	2018-19	2017-18	2016-17	2015-16
72	29	106	3	0 | Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
72	29	106	3	0

3.2.2	Grants for research projects/clinical research project sponsored by the government funding agencies during the last five years

3.2.2.1. Grants for research projects/clinical trials sponsored by government sources year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
28	13	3	13	45

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
28	13	3	13	45

3.2.3	Ratio of research projects/clinical trials per teacher funded by government/industries and non-government agencies during the last five years.

3.2.3.1. Number of research projects/clinical trials funded by government/industries and non-government agencies year-wise during the last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
116	117	432	275	273

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
116	117	432	275	273

3.4.3	Total number of Patents/ Copyrights published/awarded/technology-transferred during the last five years..

3.4.3.1. Number of Patents/ Copyrights published/awarded/ technology-transferred year-wise during the last five years..

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
82	23	34	18	12

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16

| 82 | 23 | 34 | 18 | 12 |

| 3.6.1 | Extension and outreach activities such as community Health Education, Community health camps, Tele-conferences, Tele-Medicine consultancy etc., are conducted in collaboration with industry, community, Government and non- Government Organizations engaging NSS/NCC/Red cross/YRC, institutional clubs etc., during the last five years |

3.6.1.1. Number of extension and outreach activities conducted in collaboration with industry, community Government and Non-Government Organisations engaging NSS/NCC/Red cross/YRC, institutional clubs etc., year-wise during the last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
152	136	146	191	197

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
152	136	144	190	196

Remark : Values have ben corrected as per NAAC advice by removing NSS Dental camps for different years

| 3.7.1 | Average number of Collaborative activities for research, faculty exchange, student exchange/ Industry-internship etc per year |

3.7.1.1. Total number of Collaborative activities for research, faculty exchange, student exchange year-wise during the last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
123	112	151	78	69

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
114	103	129	71	63

Remark : Values have been corrected on the basis of Attachment and data provided by HEI

| 5.1.1 | Average percentage of students benefited by scholarships /free ships / fee-waivers by Government / Non-Governmental agencies / Institution during the last five years |

5.1.1.1. Number of students benefited by scholarships /free ships / fee-waivers by Government / Non-Governmental agencies / Institution during the last five years

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
3417	2511	2068	1310	978

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
3325	2485	2050	1290	961

Remark : Values has been updated after removing Research Fellowship awards already considered in Metric 3.1.4

6.4.2	Funds / Grants received from government / non-government bodies / philanthropists during the last five years (excluding scholarships and research grants covered under Criterion III) 6.4.2.1. Total funds / Grants received from government /non- government bodies year-wise during the last five years Answer before DVV Verification: <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>8</td><td>39</td><td>108</td><td>132</td><td>1544</td></tr></table> Answer After DVV Verification : <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>8</td><td>16</td><td>101</td><td>126</td><td>1542</td></tr>
7.1.4	Water conservation facilities available in the Institution: 1. Rain water harvesting 2. Borewell /Open well recharge 3. Construction of tanks and bunds 4. Waste water recycling 5. Maintenance of water bodies and distribution system in the campus Answer before DVV Verification : All of the above Answer After DVV Verification: All of the above

2.Extended Profile Deviations

Extended Profile Deviations
No Deviations