



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	Maharishi Markandeshwar (Deemed to be University), Mullana-Ambala
Name of the head of the Institution	Prof. Harish Kumar Sharma
Designation	Vice Chancellor
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	01731-282440
Mobile no.	8059932404
Registered Email	info@mmumullana.org
Alternate Email	vice-chancellor@mmumullana.org
Address	Maharishi Markandeshwar (Deemed to be University), Ambala-Yamunanagar Highway No. 344, Mullana, District Ambala
City/Town	MULLANA
State/UT	Haryana

Pincode	133207																								
2. Institutional Status																									
University	Deemed																								
Type of Institution	Co-education																								
Location	Rural																								
Financial Status	Self financed																								
Name of the IQAC co-ordinator/Director	Dr. Tarun Gulati																								
Phone no/Alternate Phone no.	01731282199																								
Mobile no.	8059931274																								
Registered Email	directoriqac@mmumullana.org																								
Alternate Email	gulati_tarun@mmumullana.org																								
3. Website Address																									
Web-link of the AQAR: (Previous Academic Year)	https://www.mmumullana.org/wp-content/uploads/2021/04/AQAR-2018-19.pdf																								
4. Whether Academic Calendar prepared during the year	Yes																								
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.mmumullana.org/academic-calendar/																								
5. Accrediation Details																									
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.06</td> <td>2015</td> <td>16-Nov-2015</td> <td>15-Nov-2020</td> </tr> <tr> <td>2</td> <td>A++</td> <td>3.53</td> <td>2021</td> <td>21-Dec-2021</td> <td>20-Dec-2026</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.06	2015	16-Nov-2015	15-Nov-2020	2	A++	3.53	2021	21-Dec-2021	20-Dec-2026
Cycle	Grade	CGPA	Year of Accrediation	Validity																					
				Period From	Period To																				
1	A	3.06	2015	16-Nov-2015	15-Nov-2020																				
2	A++	3.53	2021	21-Dec-2021	20-Dec-2026																				
6. Date of Establishment of IQAC	20-Dec-2007																								
7. Internal Quality Assurance System																									

Quality initiatives by IQAC during the year for promoting quality culture

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Faculty development Programme on Universal Human Values for student induction (UHV-SI)	17-Dec-2019 7	55
FDP on E-Content Development	18-Jun-2020 5	69
Digital Education in Higher Education Institution	15-Jun-2020 1	82
Industrial Motivation Campaign	03-Mar-2020 2	100
ICMR Sponsored Workshop on Research Grant Writing	11-Dec-2019 2	50
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/ Faculty	Scheme	Funding Agency	Year of award with duration	Amount
MMCP	Central Government	SERB	2020 1095	4861000
MMEC	Central Government	MINISTRY OF HEALTH AND FAMILY WELFARE	2019 1095	315000
MMEC	State Government	HARYANA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY (HSCST)	2019 1095	270600
MMIMSR	Central Government	ICMR	2019 62	20000
MMIMSR	Central Government	ICMR	2019 1095	2220000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

6

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

MM Institute of Medical Sciences and Research, Mullana has got NABH accreditation for all Specialty and Super-Specialty services.

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.

MM Institute of Medical Science & Research, Mullana has become first Medical College in India to get AB-PMJAY Gold certification from QCI and National Health Authority.

MM (Deemed to be University), Mullana got 93rd rank by NIRF 2020, Ministry of Human Resource Development, Government of India

MMIMSR is the first private Medical College in Haryana to get recognition for 3 DM and MCh programmes by National Medical Commission.

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
To motivate faculty members to utilize the e-content development facility and develop more number of e-contents.	Econtent has been developed by faculty members. Faculty members also used various online sources such as NPTEL, SWAYAM, Other MOOC platforms.
To conduct more number of development programs for supporting staff	Staff development programs have been organized during the year.
To motivate faculty members and researchers to publish more number of books and book chapters	More than 100 books/ book chapters have been published by faculty members of MM(DU).
To promote overall development of students by organising various curricular and cocurricular activities such as quiz, debate, sports etc.	Organised offline as well as Online activities during lockdown period.

To motivate the students for their active participation in the research under the supervision of faculty.	Research scholars actively participated in research activities and published Research papers in reputed indexed journals.
To prepare and submit the research proposals for funding from various Government and NonGovernment agencies.	Research grants amounting to nearly INR One Crore was received from Government/ NonGovernment agencies..
To motivate the faculty for the collaborative research with other departments and Universities.	Five new research collaborations have been initiated with reputed industries as well as academic organisations.
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Board of Management	30-Sep-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
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Date of Visit	14-Dec-2021
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2020
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Date of Submission	30-Jun-2020
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	MM (Deemed to be University) has its own Management Information System where all employees can check their attendance, salary and other details. Each student is provided with unique login credentials through which they can check their attendance and the module also facilitates to send SMS to concerned parents by their mentors. Students can also access internet (LAN and WiFi) facility provided to them by the University. Online feedback modules are adopted to obtain feedback of various stakeholders of MM (Deemed to be University). To facilitate the publication data by faculty/researchers web interface was created on which
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faculty enters the publication details and after that he/she is entitled to apply for incentives in accordance with the research promotion policy of MM (Deemed to be University). Faculty appraisal interface is developed in house in which faculty members fill the appraisal form. Accounts modules to facilitate and maintain finance related functions also have been adopted. MM(DU) developed portal for conducting online examinations through which various University examinations have been conducted successfully. Monthly update of HIMS data clinical material is done monthly on the College website as per the regulations of National Medical Council.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BASLP	16UGR57	BASLP	28/08/2019
BOptom	16UGR54	BOptom	28/08/2019
BPharm	14UGR01	BPharm	24/10/2019
BPT	18UGR01	BPT	30/08/2019
BSc Nursing	20UGR01	BSc Nursing	16/12/2019

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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Civil Engineering	13/06/2019	Advanced Steel Structure CE-03-383	13/06/2019
BTech	Mechanical Engineering	01/07/2019	Engineering Graphics Design (BMEC-001)	01/07/2019
BTech	ELECTRONICS AND COMMUNICATION ENGINEERING	30/11/2019	Internet of Things: ECE-554	30/11/2019
BSc	Physics	12/06/2019	Digital System and Applications-BPHY 109	12/06/2019
MCA	MCA	22/05/2019	BCA-101:	22/05/2019

Computer
Fundamental &
Basics of C
Language

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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BSc(Agriculture)	Agriculture	18/09/2020
LLM	Law	06/11/2019
MSc(Agriculture)	Agronomy	18/09/2020
PhD or DPhil	Agronomy	18/09/2020
PhD or DPhil	Law	22/10/2020
BSc(Agriculture)	Agriculture Integrated	18/09/2020
MSc(Agriculture)	Entomology	18/09/2020
BSc	Biochemistry	28/06/2019
BSc	Medical Microbiology	28/06/2019

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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BSc	Cardiovascular Technology	28/08/2019
BSc	Dialysis Therapy Technology	28/08/2019
BSc	Medical Lab Technology	28/08/2019
BSc	Operation Theatre Technology	28/08/2019
BSc	Radiography and Imaging Technology	28/08/2019
BSc	Respiratory Therapy	28/08/2019
BOptom	BOptom	28/08/2019
BBA	BBA	03/08/2019
BCom	BCom (Hons.)	03/08/2019
BSc	Mathematics (Honors)	17/05/2019
BSc	Biochemistry	28/06/2019
BSc	Medical Microbiology	28/06/2019
MPH	Public Health	28/06/2019
MSc	Forensic Science	28/06/2019
MPT	Physiotherapy	30/08/2019
LLM	Law	06/11/2020

PhD or DPhil	Law	22/10/2020
PhD or DPhil	Agronomy	18/09/2020
BSc(Agriculture)	Agriculture (Honors)	18/09/2020
BSc(Agriculture)	Agriculture Integrated	18/09/2020
MSc(Agriculture)	Agronomy	18/09/2020
MSc(Agriculture)	Entomology	18/09/2020

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
LIFE SAVERS SKILL DEVELOPMENT PROGRAMME	22/08/2019	124
SAP-FUNCTIONAL MODULE IN SALES DISTRIBUTION	13/05/2019	143
ARTIFICIAL RECHARGE TECHNIQUES	27/01/2020	21
MICROSOFT OFFICE SKILLS	02/03/2020	17
REMOTE SENSING AND GIS FOR CIVIL ENGINEERS	03/01/2020	44
COVID 19- IMPACT ON HOSPITALITY INDUSTRY	01/08/2020	140
BASIC LIFE SUPPORT ADVANCED CARDIAC LIFE SUPPORT	01/08/2019	60
LAPROSCOPIC SUTURING TECHNIQUES	01/08/2019	18
BASIC BIOSTATISTICS	01/08/2019	285
ADVANCE TRAUMA LIFE SUPPORT	01/08/2019	40
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	MMEC	201
BTech	MSC	190
MBBS	MBBS	150
BHMCT	BHMCT	74
BSc	NURSING	97
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes

Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

Feedback Obtained

The feedback is obtained from all the stakeholders, analyzed and discussed in meetings of various University bodies, based on which necessary corrective measures are taken. One of the important processes where the stakeholders' feedback is used is the Curriculum development. 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 percent 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. 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.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MSc Medical Biochemistry	M.Sc Medical Biochemistry	10	83	10
MSc Medical Microbiology	M.Sc Medical Microbiology	15	153	14
BA LLB	BALLB	120	2854	106
BCom LLB	BCOM LLB	60	23	22
BHMCT	BHMCT	60	61	42
BPharm	BPharm	100	4949	100
MCA	MCA	30	3009	30
BASLP	BASLP	20	319	11

BSc	B.Sc Cardiovascular Technology	40	493	40
MSc	MSc (OTT)	15	76	12
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	7358	1695	13	Nil	688

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
701	701	27	170	28	42

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

An effective mentoring system is existing in the MM(DU). The goal of the mentoring system is to establish a trusting relationship with accountability and responsibility between the mentor and mentee. It provides counselling and guidance to the mentees regarding their career related queries and their personal problems and to overcome their grievances. The mentoring system appraises the mentees about the procedure, schemes, facilities scholarship/freeship available and motivates the mentees to take part in co-curricular activities. Our mentoring program provides an opportunity to mentees to share their problems and also put their suggestions and to mentors to help the future professionals with proper guidance. Mentor counsel the mentees one to one and assist them with career exploration, project critiques, and skill building, based on mentees' needs and interests. The program begins each Semester with a Mentor-mentees allocation and counseling session which provides an opportunity to the student and mentor to meet and interact for the first time. During the semester, mentees share their academic as well as personal problems with their respective mentor from time-to-time. In mentoring program, each mentor also arranges counselling session for the corresponding mentees at least once in 15 days. Mentor also communicates with the parents/Guardians regarding the progress telephonically to make aware them about the performance of their wards once in a month. Mentor also dispatched the progress report to the parents of each mentee regarding one's attendance record and marks of sessional examination.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
9053	701	1:13

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
701	701	Nil	242	374

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	DR. ASIR JOHN SAMUEL	Associate Professor	KEYNOTE SPEAKER PHYSIOCON
2020	DR. RAJ SINGH	Professor	GLOBAL OUTREACH AGRICULTURAL AWARD
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
MDS	17PGR02	Final year	08/07/2020	22/07/2020
BSc	16UGR52	3rd year	01/09/2020	05/09/2020
BSc	16UGR51	3rd year	02/09/2020	05/09/2020
MDS	17PGR01	Final year	08/07/2020	22/07/2020
MSc	11PGR52	4th Semester	15/07/2020	28/07/2020
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
7	7972	0.09%

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://www.mmumullana.org/wp-content/uploads/2020/03/2.6.1-programme-and-course-outcome.pdf>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
16UGR53	BSc	B.SC RADIOGRAPHY AND IMAGING TECHNOLOGY	26	26	100
16UGR54	BSc	B OPTOM	32	32	100
16UGR51	BSc	B.SC	116	107	92.24

		MEDICAL LAB TECHNOLOGY			
16PGR56	MSc	M.SC MEDICAL LAB TECHNOLOGY	10	8	80
16UGR01	MBBS	MBBS	142	139	97.89
14UGR01	BPharm	BACHELORE OF PHARMACY	66	66	100
19UGR01	BSc Nursing	B.SC NURSING	132	131	99.24
11UGR06	BTech	B.TECH MECHANICAL ENGG.	54	54	100
11UGR01	BTech	B.TECH BIO TECHNOLOGY	15	12	80
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<https://www.mmumullana.org/wp-content/uploads/2022/01/sss-2019-20.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	AKASH JAIN	FINANCIAL SUPPORT FOR PARTICIPATION IN INTERNATIONAL CONFERENCE HELD AT NAGPUR, FEBRUARY-2020	25/11/2019	MM(DU), MULLANA, AMBALA
National	DR. ANIL KUMAR SHARMA	FELLOW MEMBER WORLD RESEARCH ASSOCIATIONS	29/05/2020	WORLD RESEARCHERS ASSOCIATIONS
National	ABHIRAJ SINGH	FINANCIAL SUPPORT FOR PARTICIPATION IN 3RD ANNUAL CONFERENCE OF INDIAN SOCIETY OF GASTROINTESTINAL AND ABDOMINAL RADIOLOGY HELD AT KOCHI, SEPTEMBER-2019	25/11/2019	MM(DU), MULLANA, AMBALA

National	DR G M SOGI	FELLOW OF INTERNATIONAL COLLEGE OF DENTIST.	14/12/2019	INTERNATIONAL COLLEGE OF DENTISTRY
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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
AASTHA	302	MMDU
SHIKHA	760	DBT
ANU KAJAL	545	DST INSPIRE Fellowship
HEENA SHARMA	1309	UGC
NAMRATA RANI	912	CSIR
ZOUHERIA DJAMILA	232	FICCI
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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Industry sponsored Projects	913	CONSERN PHARMA LTD, LUDHIANA	5.9	5.9
Interdisciplinary Projects	1095	ICMR	22.2	22.2
Minor Projects	1095	MINISTRY OF HEALTH AND FAMILY WELFARE (DEPARTMENT OF HEALTH RESEARCH)	8.92	3.15
Major Projects	1095	SCIENCE ENGINEERING RESEARCH BOARD (SERB)	48.61	0
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3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
ACCREDITATION MANAGEMENT SYSTEM SOFTWARE FOR NAAC ACCREDITATION IN COLLABORATION WITH INPOD	MMCP	08/05/2020
ENHANCED RESEARCH VISIBILITY TO IMPROVE INSTITUTIONAL RANKING IN	MMCP	13/05/2020

COLLABORATION WITH ELSEVIER		
CRITICAL CARE: DEMYSTIFYING CLINICAL NURSING SKILLS	MMCN	24/02/2020
WORKSHOP ON IOT	MMEC	30/08/2019
ANIMAL MODELS FOR DENTAL RESEARCH	MMCDJR	03/12/2019
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
GLOBAL OUTREACH AGRICULTURAL AWARD FOR INNOVATION IN MYCOLOGY	DR. RAJ SINGH	GLOBAL OUTREACH RESEARCH AND EDUCATION ASSOCIATION (GOREA), RAKESH KUMAR , goreain dia@gmail.com	29/02/2020	TEACHER
FSLI DISTINGUISHED SCIENTIST AWARD-2020 IN THE FIELD OF MOLECULAR BIOLOGY APPLIED BIOTECHNOLOGY	DR. ANIL KUMAR SHARMA	BIOLOGIX RESEARCH INNOVATION CENTRE PVT. LTD., DR.NEETU SINGH, conferences@biologixric.com	29/03/2020	TEACHER
DISTINGUISHED SCIENTIST AWARD FOR OUTSTANDING CONTRIBUTION IN THE FIELD OF BOTANY	DR. RAJ SINGH	AETDS AT UGC-HRDC CENTRE, KUMAUN UNIVERSITY, NAINITAL, UK, INDIA, PROF BL SAH, blsah_nainital@rediffmail.com	02/12/2019	TEACHER
BEST RESEARCHER IN PHYSIOTHERAPY AWARD	DR. MANU GOYAL	RULA AWARDS, INTERNATIONAL RESEARCH COUNCIL, S. ABUTHAHIR, rulaawards@gmail.com	26/01/2020	TEACHER
ENVIRONMENTAL IST AWARD 2019 FOR OUTSTANDING CONTRIBUTION IN THE FIELD OF ENVIRONMENTAL BIOTECHNOLOGY	DR. INDU SHARMA	AGRICULTURAL AND ENVIRONMENTAL TECHNOLOGY DEVELOPMENT SOCIETY (AETDS), KUMAUN UNIVERSITY, NANITAL, U.K., INDIA, DR.	02/12/2019	TEACHER

WAJID HASAN, ga
afesconference@
gmail.com, ento
wajid@gmail.com

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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
BUSINESS INCUBATION CENTRE, MM(DU), MULLANA, AMBALA	BUSINESS INCUBATION CENTRE	MR. VIKRAMJEET SINGH, DILPREET SINGH, SIMARPREET SINGH, YAMUNA NAGAR, HARYANA, OFFICIAL@AQUA18.COM	AQUA-18 YOUR WATER-FD	CONSTRUCTING RAINWATER HARVESTING SETUP AT HOMES, OFFICES, SCHOOLS, ROADSIDES, ETC.	14/11/2019
BUSINESS INCUBATION CENTRE, MM(DU), MULLANA, AMBALA	JR BIZ	MR. JACKSON HENRY CHACKY, TEGTA, DARES SALAAM, TANZANIA, JACKSON.JHC@GMAIL.COM	JR BIZ	ELECTRONIC MONEY TRANSFER SYSTEM	31/01/2020

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
MMEC	18
MMICTBM	3
MMIM	6
MMIMSR	3
MMCP	1
MMIPR	1

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	MM INSTITUTE OF PHYSIOTHERPY	9	1.32
International	MM INSTITUTE OF PHYSIOTHERPY	36	1.8
International	MM COLLEGE OF DENTAL SCIENCE AND	32	0.55

	RESEARCH		
International	MM COLLEGE OF NURSING	5	2.33
International	MMICTBM (HM)	5	3.17
International	MMICTBM	27	1.55
National	MM ENGINEERING COLLEGE	135	0.65
International	MM ENGINEERING COLLEGE	331	3.54
National	MM INSTITUTE OF MEDICAL SCIENCE AND RESEARCH	167	0.82
International	MM INSTITUTE OF MEDICAL SCIENCE AND RESEARCH	131	6.67
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
MMEC	108
MMICTBM	12
MMCP	5
MMCDSR	7
MMCN	2
MMIMSR	8
MMIPR	7
MMICTBM (HM)	1
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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
SYNTHESIS AND EVALUATION OF {3-[5-(4-HYDROXY-3-METHOXY-PHENYL)-[1,3,4]OXADIAZOL-2-YL]-PHENYL}-PHENYL-METHANONE AS NOVEL, POTENT ANTIMICROBIAL AGENT AND AS POTENT PEPTIDE DEFORMYLASE INHIBITOR	Published	244/DEL/2013	22/07/2020
TRIBOLOGICAL PROCESSED SOLID SUPER LUBRICITY CARBON-BASED DRILLS	Published	2020101920	21/08/2020

ANALYTICAL APPLICATION OF TITANIUM(IV) MOLYBODOTUNGSTATE FOR ESTIMATION OF YTTRIUM (III) IONS	Published	201611007064	12/11/2020
COLLABORATIVE FEDERATIVE LEARNING APPROACH FOR INTERNET OF VEHICLES TRAFFIC PREDICTION	Published	2020101613	08/02/2020
CONDENSER (DESIGN PATENT)	Published	294651	13/09/2019
INDUSTRIAL IOT DEVICE MANAGEMENT TECHNIQUE USING LIGHTWEIGHT MACHINE TO MACHINE (LWM2M)	Published	2020102070	09/01/2020
IRRIGATING SOLUTION COMPOSITION WITH ETHANOLIC EXTRACT OF CURCUMA LONGA	Published	201741003970	27/11/2020
MODIFIED CLEVANGER APPARATUS (DESIGN PATENT)	Published	299818	27/07/2019
PROCESS FOR SYNTHESIS OF CHALCONES AND USES THEREOF.	Published	146/DEL/2014	28/09/2020
PROJECTED LIP AS A SCOUR PROTECTION DEVICE FOR BRIDGE ABUTMENTS	Published	1722/DEL/2013	13/11/2020
View File			

3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
ROLE OF REACTIVE OXYGEN SPECIES IN CANCER PROGRESSION: MOLECULAR MECHANISMS AND RECENT ADVANCEMENTS	AGGARWAL V., TULI H.S., VAROL A., THAKRAL F., YERER M.B., SAK K., VAROL M., JAIN A., KHAN M.A.,	BIOMOLECULES	2019	79	MM ENGINEERING COLLEGE., MM ENGINEERING COLLEGE	73

	SETHI G.					
FISETIN AND QUERCETIN: PROMISING FLAVONOIDS WITH CHEMO PREVENTIVE POTENTIAL	KASHYAP D., GARG V.K., TULI H.S., YERER M.B., SAK K., SHARMA A.K., KUMAR M., AGGARWAL V., SANDHU S.S.	BIOMOLECULES	2019	35	MM ENGINEERING COLLEGE., MM ENGINEERING COLLEGE	32
NATURAL PRODUCT-BASED NANO FORMULATIONS FOR CANCER THERAPY: OPPORTUNITIES AND CHALLENGES	KASHYAP D., TULI H.S., YERER M.B., SHARMA A., SAK K., SRIVASTAVA S., PANDEY A., GARG V.K., SETHI G., BISHAYEE A.	SEMINARS IN CANCER BIOLOGY	2019	32	MM ENGINEERING COLLEGE	25
ROLE OF SULPHUR-HEMICYCLIC TERCYCLES IN MEDICINAL CHEMISTRY: AN UPDATE	PATHANIA S., NARANG R.K., RAWAL R.K.	EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY	2019	28	MM ENGINEERING COLLEGE	25
MOLECULAR MECHANISMS OF ACTION OF TOCOTRIENOLS IN CANCER: RECENT TRENDS AND ADVANCEMENTS	AGGARWAL V., KASHYAP D., SAK K., TULI H.S., JAIN A., CHAUDHARY A., GARG V.K., SETHI G., YERER M.B.	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2019	22	MM ENGINEERING COLLEGE., MM ENGINEERING COLLEGE	15
MOLECULAR MECHANISMS OF ACTION OF GENISTEIN IN CANCER: RECENT ADVANCES	TULI H.S., TUORKEY M.J., THAKRAL F., SAK K., KUMAR M., SHARMA A.K., SHARMA U.,	FRONTIERS IN PHARMACOLOGY	2019	19	MM ENGINEERING COLLEGE., MM ENGINEERING COLLEGE., MM ENGINEERING COLLEGE	14

	JAIN A., AGGARWAL V., BISHAYEE A.					
IMPACT OF NOMOPHO BIA: A NONDRUG ADDICTION AMONG STUDENTS OF PHYSIOT HERAPY COURSE USING AN ONLINE CRO SS- SECTIONAL SURVEY	AHMED S., POKHREL N., ROY S., SAMUEL A.J.	INDIAN JOURNAL OF PSYCHIATRY	2019	13	MM INSTITUTE OF PHYSIOT HERAPY AND REHABILITA TION., MM INSTITUTE OF PHYSIOT HERAPY AND REHABILITA TION., MM INSTITUTE OF PHYSIOT HERAPY AND REHABILITA TION., MM INSTITUTE OF PHYSIOT HERAPY AND REHABILITA TION.	12
IMPROVED UPTAKE AND THERAPEUTI C INTERVEN TION OF CURCUMIN VIA DESIGNING BINARY LIPID NANO PARTICULAT E FORMULAT ION FOR ORAL DELIVERY IN INFLAMM ATORY BOWEL DISORDER	SHARMA M., SHARMA S., WADHWA J.	ARTIFICIAL CELLS, NAN OMEDICINE AND BIOTEC HNOLOGY	2019	12	MM COLLEGE OF PHARMACY	10
ADVANCED GLYCATION END PRODUCTS (AGES), GL UTATHIONE AND BREAST CANCER: FACTORS, MECHANISM AND THERAP EUTIC INTE	SHARMA A.K., SHARMA V.R., GUPTA G.K., ASHRAF G.M., KAMAL M.A.	CURRENT DRUG METABOLISM	2019	10	MM ENGIN EERING COLLEGE., MM ENGINEE RING COLLEGE., MM COLLEGE OF PHARMACY	6

REVENTIONS						
CYCLOSPORINE A AND AMLODIPINE INDUCED GINGIVAL OVERGROWTH IN A KIDNEY TRANSPLANT RECIPIENT: CASE PRESENTATION WITH LITERATURE REVIEW	NANDA T., SINGH B., SHARMA P., ARORA K.S.	BMJ CASE REPORTS	2019	7	MM COLLEGE OF DENTAL SCIENCES AND RESEARCH	6
View File						

3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
MOLECULAR MECHANISMS OF ACTION OF TOCOTRIENOLS IN CANCER: RECENT TRENDS AND ADVANCEMENTS	AGGARWAL V., KASHYAP D., SAK K., TULI H.S., JAIN A., CHAUDHARY A., GARG V.K., SETHI G., YERER M.B.	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2019	Nil	15	MM ENGINEERING COLLEGE
ROLE OF SULPHUR-HEPTEROCYCLES IN MEDICINAL CHEMISTRY: AN UPDATE	PATHANIA S., NARANG R.K., RAWAL R.K.	EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY	2019	Nil	25	MM ENGINEERING COLLEGE
NATURAL PRODUCT-BASED NANO FORMULATIONS FOR CANCER THERAPY: OPPORTUNITIES AND CHALLENGES	KASHYAP D., TULI H.S., YERER M.B., SHARMA A., SAK K., SRIVASTAVA S., PANDEY A., GARG V.K., SETHI G., BISHAYEE A.	SEMINARS IN CANCER BIOLOGY	2019	Nil	25	MM ENGINEERING COLLEGE

FISETIN AND QUERCETIN: PROMISING FLAVONOIDS WITH CHEMO PREVENTIVE POTENTIAL	KASHYAP D., GARG V.K., TULI H.S., YERER M.B., SAK K., SHARMA A.K., KUMAR M., AGGARWAL V., SANDHU S.S.	BIOMOLECULES	2019	Nil	32	MM ENGINEERING COLLEGE
ROLE OF REACTIVE OXYGEN SPECIES IN CANCER PROGRESSION: MOLECULAR MECHANISMS AND RECENT ADVANCEMENTS	AGGARWAL V., TULI H.S., VAROL A., THAKRAL F., YERER M.B., SAK K., VAROL M., JAIN A., KHAN M.A., SETHI G.	BIOMOLECULES	2019	Nil	73	MM ENGINEERING COLLEGE

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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	5	182	16	1

[View File](#)

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
MMEC	STRUCTURAL DESIGN AND DRAWING	ASSISTANT GENERAL MANAGER, JINDAL CONSORTIUM, 81999-07006, jindals13@gmail.com	241900
MMCP	ANIMAL ACTIVITY CHARGES WITH CHEMICALS	CHANDIGARH UNIVERSITY, PUNJAB	23600
MMEC	SOIL TESTING	JASWANT SINGH, GOVT. CONTRACTOR, BATALA, PUNJAB, 93575-27132	6500
MMCP	TROUBLESHOOTING AND DEVELOPMENT OF METFORMIN FLOATING TABLET	CONCERN PHARMA LTD LUDHIANA, PUNJAB	295000
MMCP	POST -COITAL ANTI-	RAYAT INSTITUTE	24027

FERTILITY ACTIVITY
ON FEMALE RATS

OF PHARMACY,
HOSHIARPUR

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
MM(DU)	Executive Development Programme	Employed Professionals	128000	2

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3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
LEGAL AWARENESS CAMP AT VILL. ADHOYA, UGALA, SUBRI OF DISTT. AMBALA ON 27-FEBRUARY-2020	DEPARTMENT OF LAW	3	30
PHARMACY AWARENESS RALLY AT MULLANA ON 20-NOVEMBER-2019	MMCP	2	26
ANNUAL TANNING CAMP- 148 AT KANIPALA ON 21-JULY-2019	NCC	1	13
MEDICAL CAMP (SEVEN DAY AND NIGHT CAMP) AT VILLAGE - SOHANA FROM 15-DECEMBER-2019 TO 22-DECEMBER-2019	NURSING MMIN	3	13
240 BEDDED COVID CARE CENTER AT MMIMSR, MULLANA ON 18-APRIL-2020	MMIMSR, MULLANA	35	150
DENTAL HEALTH EDUCATION AND CHECKUP CAMP ON 14-MARCH- 2020	VILLAGE SARAHPUR	1	14
DENTAL HEALTH EDUCATION AND CHECKUP CAMP AT MARKANDA MANDIR, SHAHBAD ON	SHAHABAD MARKANDA MANDIR	1	4

24-NOVEMBER -2019

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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
7 DAYS NIGHT CAMP	APPRECIATION LETTER	GRAM PANCHAYAT, SARAHPUR	100
7 DAYS NIGHT CAMP	APPRECIATION LETTER	GRAM PANCHAYAT, SARAHPUR	150
7 DAYS NIGHT CAMP	APPRECIATION LETTER	GRAM PANCHAYAT, SOHANA	150
COVID HOSPITAL, MM(DU), MULLANA	CORONA WARRIOR AWARD	HARYANA MEDICAL COUNCIL, PANCHKULA	Nil

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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
AWARENESS PROGRAMME	ADHOI GOVT PRIMARY SCHOOL AHODI	SCHOOL HEALTH PROJECT ON GOOD TOUCH AND BAD TOUCH ON 18-NOVEMBER-2019	3	40
HEALTH CHECK UP	AGGARWAL DHARAMSHALA, SADHAURA	HEALTH CHECK UP CAMP ON 08-DECEMBER-2019	4	10
DENTAL HEALTH EDUCATION AND CHECKUP	AIR FORCE STATION SCHOOL KAPLI	DENTAL HEALTH EDUCATION AND CHECKUP CAMP ON 04-JULY-2019	1	8
AWARENESS PROGRAMME	ARYA PUBLIC SCHOOL, MULLANA	MALNUTRITION-MARASMUS EAT RIGHT , BITE BY BITE ON 16 FEBRUARY-2020	3	29
BLOOD DONATION	BLOOD BANK, MM HOSPITAL	BLOOD DONATION CAMP AT BLOOD BANK, MM HOSPITAL ON 11-SEPTEMBER-2020	2	4
NSS DAY	M.M.DEEMED TO BE UNIVERSITY MULLANA	NSS DAY CELEBRATION ON 28-AUGUST-2019	2	30
AWARENESS PROGRAMME	DEPARTMENT OF LAW	SEMINAR ON FUNDAMENTAL RIGHTS AND DUTIES AT MMIS,	1	100

		MULLANA ON 17-F EBRUARY-2020		
AWARENESS PROGRAMME	MMCP	PHARMACY AWARENESS RALLY AT MULLANA ON 2 0-NOVEMBER-2019	2	26
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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
STUDENT EXCHANGE	MS. DEEPA RANI, MS. SHEEBA MALIK	UNIVERSITAS AIRLINGGA	98
INDUSTRY-ACADEMIC COLLABORATION	DR AJAY GUPTA	STOIC ENTREPRISES	174
COLLABORATIVE ACTIVITIES FOR RESEARCH	ZOUHEIRAD JAMILA	FICCI	183
A STUDY TO ASSESS THE EFFECTIVENESS AND ACCEPTIBILITY OF E LEARNING MODULE IN TERMS OF KNOWLEDGE GAIN AMONG NURSING STUDENT FROM SELECTED INSTITUTES OF INDIA	DR. JYOTI SARIN	BODHI HEALTH EDUCATION	214
SIMULATION FOR SUPERVISION SKILLS	DR. JYOTI SARIN, DR. POONAM SHEORAN, MS. BINDU JOSEPH, MS. GURVINDER KAUR, MS. MANISHA	VID SPECIALIZED UNIVERSITY	6
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
RESEARCH ACTIVITIES	RESEARCH	DR DEEPESH BHARDWAJ, ITM GROUP OF COLLEGES, GWALIOR, DEE PESH. BHARDWA J@ITMGOI.IN	23/04/2019	31/05/2020	DR DIXIT PRASHER/ VISHAL DHIMAN
RESEARCH ACTIVITIES	RESEARCH	PROFESSOR R K TIWARI, S	02/05/2020	31/12/2020	DR RANJANA SHARMA, DR

		CHOO OF STUDIES IN PHYSICS, JIWAJI UNIVERSITY, GWALIOR, PHY0 57.RKT@GMAIL .COM			DIXIT PRASHER
RESEARCH ACTIVITIES	INDUSTRY- ACADEMIC COL LABORATION	MR SANJAY GUPTA, STOIC ENTREPRISES, ACE_TUBE@YAH OO.COM	11/12/2019	02/06/2020	DR AJAY GUPTA
RESEARCH ACTIVITIES	A STUDY TO ASSESS THE E FFECTIVENESS AND ACCEPTIB ILITY OF E LEARNING MODULE IN TERMS OF KNOWLEDGE GAIN AMONG NURSING STUDENT FROM SELECTED INSTITUTES OF INDIA	MR ABHINAV GIRDHAR CHIEF EXECUTIVE OFFICER, BODHI HEALTH EDUCATION, A BHINAV@BODHI HEALTHEDU.OR G	01/03/2020	01/10/2020	DR. JYOTI SARIN
RESEARCH ACTIVITIES	SIMULATION FOR SUPERVISION SKILLS	BENEDICTE STROM, VID SPECIALIZED UNIVERSITY, BENEDICTE.ST ROM@VID.NO	02/11/2019	08/11/2019	DR. JYOTI SARIN, DR. POONAM SHEORAN, MS. BINDU JOSEPH, MS. GURVINDER KAUR, MS. MANISHA
RESEARCH ACTIVITIES	INDUSTRY- INTERNSHIP	VANDANA VERMA, GANGA RAM HOSPITAL, DELHI, GANGA RAM@SGRH.COM	13/01/2020	15/07/2020	KRISHMA CHAUDHRY
CLINICAL EXPERIENCE	OBSTETRIC POSTING	CIVIL SURGEON, CIVIL HOSPITAL, AMBALA CITY, DHS.CSAMB@HR Y.NIC.IN	17/02/2020	04/11/2020	AANCHAL CHAUHAN, ANKITA, ANNU DEVI, ARJU, AYESHA SINGH, BINDIYA, CHIKKY DEVI, EKNOOR, HARJOT KAUR, HARMANDEEP KAUR, JAYA SHARMA,

KAVITA
SAINI, KM
NIDHI
SHARMA,
KOMAL,
KULPREET
KAUR,
MANDEEP
SAINI,
MONIKA,
MONIKA
KUMARI,
MUSKAN,
NAVITA
GAUTAM,
NAVNEET

CLINICAL TRAINING	OUTSTATION POSTING	GAGAN SARDANA, DAYANAND MEDICAL COLLEGE AND HOSPITAL, LUDHIANA, HR D@HERODMC.CO M	01/03/2020	31/03/2020	AHRAR AHMED DEV, ARADHANA DEAN, CHARU, DIKSHA THAKUR, MEENAKSHI KAPILA, PRIYANKA YADAV, SHALINI YOUSOUF TANU
CLINICAL TRAINING	OUTSTATION POSTING	MS.ACHALA, KALAWATI SARAN CHILDRENS HOSPITAL, NEW DELHI, INFO@IHMC.IN	01/03/2020	31/03/2020	MONIKA KUMARI
CLINICAL TRAINING	STUDENT EXCHANGE PROGRAM	HOD, PSYCHIATRY, NIMHANS, NIMHANS, BANGLURU, PS YCHIATRY@NIM HANS.KAR.NIC .IN	01/10/2019	11/11/2019	DR. LEEZU BHUSRI

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3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
DEPARTMENT OF CHEMISTRY, SEVADAL MAHILA MAHAVIDYALAYA, SAKKARDARA SQUARE,	13/11/2019	JOINT RESEARCH	2

UMRER ROAD, NAGPUR-440024			
REALM PHARMACEUTICALS PVT. LTD, BANGALORE	09/06/2020	COLLABORATIVE RESEARCH PROGRAMMES	10
GVK BIO SCIENCES PVT. LTD, HYDRABAD	09/06/2020	COLLABORATIVE RESEARCH PROGRAMMES	2
ALCHEMIST HOSPITAL, SECTOR 21, PANCHKULA, HARYANA 134112	09/12/2019	INTERNSHIP	5
ZEE LABORATORIES LTD, PAONTASAHIB	01/08/2019	INDUSTRIAL TRAINING	12
BHAIKAKA UNIVERSITY, SHREE KRISHNA HOSPITAL, GOKAL NAGAR, KARAMSAD-388325, GUJARAT	28/02/2020	COLLABORATIVE RESEARCH PROGRAMMES	62
STOIC ENTREPRISES	16/12/2019	RESEARCH PROCESS DEVELOPMENT	5
SCOTT EDIL, PLOT NO.28/6, INDUSTRIAL AREA, PHASE 2, CHANDIGARH (INDIA)	25/10/2019	INDUSRIAL TRAINING FOR B.PHARM STUDENTS	12
AREV LIFE SCIENCES, PLOT NO. 77A, INDUSTIAL PARK, BAROTIWALA, HIMCHAL PRADESH 174103	25/11/2019	INTERNSHIP	10
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
5479	4717.46

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing

Classrooms with Wi-Fi OR LAN	Existing
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
SOUL	Fully	2.0	2009

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	166491	1067	9372	87	175863	1154
Reference Books	8266	52	431	3	8697	55
e-Books	10356	1	172092	2	182448	3
Journals	666	96	18	119	684	215
e-Journals	11823	28	3197	38	15020	66
Digital Database	3	8	2	3	5	11
CD & Video	7461	1	3519	Nil	10980	1
Weeding (hard & soft)	3029	15	Nil	Nil	3029	15
Others (specify)	1	2	1	1	2	3
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
SONIA GOYAL	PLANT GROWTH REGULATORS	Institutional LMS	13/04/2020
DIWAKAR AGGARWAL	CYTOGENETICS AND PLANT BREEDING	Institutional LMS	14/04/2020
RENUKA	CELL CHEMISTRY	Institutional LMS	04/12/2020
DR RAMAN KUMAR	BIOREMEDIATION OF HEAVY METALS	Institutional LMS	04/11/2020
HARDEEP SINGH TULI	DIFFERENT STAGES OF CELL CYCLE	Institutional LMS	13/04/2020
DR. VIKAS KUMAR	AGRICULTURAL WASTE MANAGEMENT	Institutional LMS	13/04/2020

DR. VANITA AGGARWAL	DESIGN OF CONCRETE STRUCTURES	Institutional LMS	01/05/2020
DR.SUSHIL KUMAR UPADHYAY	RNA AND TRANSCRIPTION	Institutional LMS	13/04/2020
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1492	40	1492	36	6	79	52	2000	79
Added	310	0	310	0	0	0	0	0	0
Total	1802	40	1802	36	6	79	52	2000	79

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

2.1 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Media Centre	https://nc.mmudev.com/criterion-iv/4-4/4-4-4/geo-tagged-photographs/

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
239.45	437.16	957.8	1754.66

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

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 upto- 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.

<https://nc.mmudev.com/pdf/c4/4-5/4-5-2/additional-information.pdf>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Merit cum means Scholarship, Merit Scholarship, Staff Concession, University Research Scholarship, Weaker section scholarship.	2720	82027270
Financial Support from Other Sources			
a) National	CSS, DRCC, Jharkhand State Post Matric, Manipur OBC Post Matric, Merit-Cum-Means, PMSSS JK, Post Matric Scholarship for Minorities, PMSS FOR Central Armed, Umbrella Scheme for ST, NGO	690	95319458
b) International	VARIOUS EMBASSIES, FICCI, EDCIL	7	5598938

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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
ANALYTICAL SKILL DEVELOPMENT	05/06/2020	71	MR. SAMIR KUMAR SAHOO SAMEER.SAHOO@APTUSDATA LABS.COM
EMPLOYABILITY SKILL DEVELOPMENT	05/12/2019	10	DR. P.D. JOSHI HT TP://DRPDJOSHI.COM/
HUMAN VALUE DEVELOPMENT	19/12/2019	40	DR. KIRANDEEP KAUR MM INSTITUTE OF NURSING PRINCIPAL LMMIN@MMUMULLANA.ORG
ANALYTICAL SKILL DEVELOPMENT	29/02/2020	48	DR HARIHARA PARKASH, PROF. AND HEAD KM PATEL INSTITUTE OF PHYSIOTHERAPY , ANAND GUJRAT HARIHARA P@CHARUTAHEALTH.ORG (PH. 8238238685)
PERSONALITY AND PROFESSIONAL DEVELOPMENT	20/09/2019	402	DR. G.M.SOGI, PRINCIPAL, MMCD SR, PRINCIPAL.MMCD SR@MMUMULLANA.ORG
SOFT SKILL DEVELOPMENT	19/06/2020	343	MR. DIVAS GUPTA/MS. SUKHLEEN ARORA, DIVAS.GUPTA@HOTMAIL.COM/SUKHLEEN.ARORA@HOTMAIL.COM
YOGA AND WELLNESS	21/06/2020	200	SWAMI VIVEKANAND YOGA SEVA SANTHAN AND AROGYA BHARTI WITH INTERNATIONAL NATUROPATHY ORGANIZATION (INO), #9991605108
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2020	Competition Exam Preparation (GATE/NET/GPAT etc) Career Counseling	2208	5377	134	1358

Training[View File](#)

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
216	216	3

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
84	4372	1003	125	355	355

[View File](#)

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	1	MMIMSR	MBBS	NIMS JAIPUR	MD SKIN
2020	7	MMIMSR	MBBS	MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), MULLANA	MD MEDICINE
2020	1	MMIMSR	MBBS	MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), MULLANA	MD DERMATOLOGY
2020	3	MMIMSR	MBBS	MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), MULLANA	MD PAEDIATRICS MD PAEDIATRICS MD PAEDIATRICS
2020	3	MMIMSR	MBBS	MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), MULLANA	MD PATHOLOGY
2020	5	MMIMSR	MBBS	MAHARISHI MARKANDESHWAR (DEEMED TO	MD RADIOLOGY

				BE UNIVERSITY), MULLANA	
2020	1	MMIMSR	MBBS	SRI AUROBINDO INSTITUTE OF MEDICAL SCIENCES, INDORE	MD RADIOLOGY
2020	1	MMIMSR	MBBS	KMC MANGLORE, KARNATAKA	MD RADIOLOGY
2020	1	MMIMSR	MBBS	BPS KHANPUR KALAN SONEPAT	MD PHARMACOLOGY
2020	1	MMIMSR	MBBS	MMU, SOLAN	MD (GENERAL MEDICINE)
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year
(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	5
GATE	5
CAT	1
Civil Services	1
Any Other	122
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
SINGING COMPETITION ORGANIZED BY MM COLLEGE OF NURSING FROM 14-NOV-2019 TO 14-NOV-2019	UNIVERSITY	9
RACE COMPETITION ORGANIZED BY MM COLLEGE OF NURSING FROM 12-OCT-2019 TO 12-OCT-2019	UNIVERSITY	20
CARROM CHESS COMPETITION ORGANIZED BY MM COLLEGE OF NURSING MSC FROM 15-OCT-2019 TO 16-OCT-2019	UNIVERSITY	26
CRICKET COMPETITION ORGANIZED BY DEPARTMENT OF PHYSICS FROM	UNIVERSITY	25

06-SEP-2019 TO 06-SEP-2019		
CULTURAL PROGRAMME ON OCCASION OF REPUBLIC DAY ORGANIZED BY DEPARTMENT OF LAW FROM 24-JAN-2019 TO 24-JAN-2019	UNIVERSITY	84
CULTURAL PROGRAMME ON OCCASION OF INDEPENDENCE DAY ORGANIZED BY DEPARTMENT OF LAW FROM 14-AUG-2019 TO 14-AUG-2019	UNIVERSITY	20
TALENT HUNT COMPETITION ORGANIZED BY CODEX SOCIETY, COMPUTER SCIENCES ENGINEERING DEPARTMENT, MMEC FROM 11-OCT-2019 TO 11-OCT-2019	UNIVERSITY	14
TABLE TENNIS COMPETITION ORGANIZED BY CODEX SOCIETY, COMPUTER SCIENCES ENGINEERING DEPARTMENT, MMEC FROM 24-FEB-2020 TO 24-FEB-2020	UNIVERSITY	14
CIVIL PREMIER LEAGUE (CPL) ORGANIZED BY CIVIL ENGINEERING DEPARTMENT, MMEC FROM 31-JAN-2020 TO 07-FEB-2020	UNIVERSITY	44
UNIVERSUMM 2019: NATIONAL YOUTH FESTIVAL ORGANIZED BY DEPARTMENT OF STUDENT WELFARE, MMDU FROM 08-SEP-2019 TO 11-SEP-2019	NATIONAL	1129
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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	First Prize: Squash Men's Single (UNIVERSUMM 2019: NATIONAL	National	1	Nil	12197042	Shubham Singh

	YOUTH FEST)					
2019	First Prize: SAB SE BADA DRAMEBAAZ (Mono Acting) (U NIVERSUMM 2019: NATIONAL YOUTH FEST)	National	Nil	1	11162644	Ayush Sh rivastava
2019	Second Prize: Shadow Play (Mime) (UN IVERSUMM 2019: NATIONAL YOUTH FEST)	National	Nil	1	11162644, 170043, 1718018, 1919018, 1319025, 1319006, 1718037, 11192544	Ayush Sh rivastava, Abhinav Yadav, Aditi Sharma, Devender Singh, Chhavi Gautam, Chahat, Shivani Singh, Simp Badhwar
2019	First Prize: Shadow Play (Mime) (UNIVERSU MM 2019: NATIONAL YOUTH FEST)	National	Nil	1	2519313, 11162650, 11192551, 1216306, 1117209, 1719002, 11174512, 1719062, 1818022	Utsav Kumar, Anmol, Yash Gupta, Vishal, Monika, Nandita, Chirag Nehra, Nehal Khan walker, Garima Sharma
2019	Third Po sition:Sym phony Duet Singing (U NIVERSUMM 2019: NATIONAL YOUTH FEST)	National	Nil	1	2514027	Mohit Bhatia
2019	First Position: Alpana (Ra ngoli) (UNI VERSUMM	National	Nil	1	2518001	Aarti

	2019: NATIONAL YOUTH FEST)					
2019	Third Position: The Voice (Solo Singing) (UNIVERSUMM 2019: NATIONAL YOUTH FEST)	National	Nil	1	2518211	Aditya Gupta
2019	Third Prize: Volleyball (Men) (UNIVERSUMM 2019: NATIONAL YOUTH FEST)	National	1	Nil	11192526, 11192523, 11192535, 11193102, 11192525, 11193101, 11193103, 11192520	Kapil, AAYUSH MAURYA, ATUL KUMAR, Neeraj Sharma, Ankit Rana, Parth Thakur, Ayush Rajput, Navneet Dhatwalia
2019	Third Prize: Danza Duo (Duet Dance) (UNIVERSUMM 2019: NATIONAL YOUTH FEST)	National	Nil	1	1711709, 1717029	Tanu Chauhan, Arpita Khanna
2019	Second Prize: Couture Calls: Fashion Show (UNIVERSUMM 2019: NATIONAL YOUTH FEST)	National	Nil	1	1717703, 1714079, 1714038, 1715092, 1714026, 1718012, 1717016, 1714033, 1719704, 1717074	Anirudh Ahuja, Kartikaye Vats, Tanya Garg, Nafiza Zaman, Ashima Kakkar, Preksha Saran, Aakriti, Navjot Gujral, Sneha Patel,

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

IQAC Committee: Three students are members of IQAC and they contribute in the Quality Assurance process in academics and related areas. **Placement Committee:** With a motto to involve and train students for placements, MMDU has a Central Placements Cell – Student’s Body. This body is an annually constituted body, and every year new members are recruited by the old members considering streams, gender, attendance and academic credentials. CPC student’s body is responsible for execution of Campus Drives, helping their fellow mates to prepare the placements by keeping record of previous drives. The students also actively participate to organize their own events to motivate their respective departments for mock sessions of aptitude tests, interviews, etc. The basic theme behind creating such body is to train students to be a better professional, a good team player and develop leadership skills amongst them.

UNIVERSUMM Committee: UniversuMM is the annual National Youth Fest (INTER-UNIVERSITY) of MMDU in which over 80 events are conducted in the field of Music, Dance, Theatre, Fine Arts, Literary, Quizzing, Technical, Health, Hospitality, Business Sports. This fest is a completely student centric event in which the organizing team are students of the University. Every year, a committee of about 20-30 students forms the Core Student Committee for UniversuMM who are further assisted by over 450 students to plan and execute the festival. The students from this committee organize in campus and off campus publicity campaign, social media campaign, sponsorship campaign, etc. The students are also responsible for the crowd management, discipline, safety security of the events.

AMMUNATION Committee: Ammunation is the annual Intra-University Youth Competition in which around 45 competitions in the field of Music, Dance, Theatre, Fine Arts, and Literary Fashion are conducted. This fest is an initiative of the students. The students are conducted from February to April, in the evening hours after regular working hours. The students share the responsibility of the conduct of the fest. The Institute student welfare council ensures participation of students from respective Institute in the fest while selected members from the Institute council takes the responsibility of coordinating with the Department of Student Welfare for the conduct of the event. Institute Student Welfare Council MMDU has an Institute Wise Student Welfare Council focused towards student engagement at Institute level for achieving holistic development of students as well as meeting the requirement of the University towards its goal. The Institute Council has the following levels:

a. Level I: Faculty Members
 a. Overall Institute Student Welfare Coordinator
 b. Institute Cultural Coordinator
 c. Institute Sports Coordinator
 d. Institute Skill Development Coordinator
 b. Level II: Student Members
 a. Overall Institute Student Welfare Coordinator (2 Students: 1 Male, 1 Female)
 b. Institute Cultural Coordinator (2 Students: 1 Male, 1 Female)
 c. Institute Sports Coordinator (2 Students: 1 Male, 1 Female)
 d. Institute Skill Development Coordinator (2 Students: 1 Male, 1 Female)
 e. Members of the Institute Student Welfare Council under Sports, Cultural and Skill Development categories.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

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 alumnis 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.

5.4.2 – No. of registered Alumni:

12847

5.4.3 – Alumni contribution during the year (in Rupees) :

1933000

5.4.4 – Meetings/activities organized by Alumni Association :

<https://www.mmumullana.org/events/alumni-meet/>

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Practice 1 The decentralized governance model is evident in every sphere as each department/faculty functions as a separate sub-unit, in deciding and implementing the student-centric programmes and activities. At various levels the University grooms the leadership and provide opportunities for participative management. Board of body, Management, Principals, Directors, Heads of Departments, Mentors, Academic Coordinator, IQAC Members, Teaching staff, Non-teaching staff, Supporting staff, Student's Council , Student representatives, Stakeholders, Alumni and various other committees for different purposes are empowered to propose, design, formulate and execute their plans within the frame work of University Governance. The constituent institutes/colleges/department are given authority to conduct industrial tours and to have tie up with industry experts and appoint coordinator and convener for organizing seminars/workshops/ conferences/FDPs at their discretion. The Management is participative and regular meetings are convened amongst the

Management members, Directors, Principals, Heads of Departments , Faculty and the Students in implementing plans. All the departments are requested to present their Annual Action Plan at the beginning of every academic year to conduct various activities with a clear roadmap to deliver the same. The matters at the departmental level are discussed by the HOD with the faculty team in consultation with the Principal/ Director. Practice 2: The academic delivery layout is prepared by the department in consultation with the relevant authorities. The curriculum development is sent through the department by its Board of Studies for the further approval by the Academic Council of the MM(DU). The Dean of Faculty of the institute and Professors are the members of the Academic Council and members of Planning and Monitoring Board wherein the decisions to improve the academic excellence and growth are taken after due discussion.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	The website, prospectus and handbook contain information about the MM(DU) and the programmes offered. The prospectus that highlights the details of various programmes is prepared every year prior to the commencement of admissions. The prospectus also gives details of eligibility norms for admission. All information relating to admission processes is made known to the public by way of a Help Desk that is set up during admissions or through website. Committees at department/institute/college level are constituted to provide information to prospective candidates regarding the programs or courses being offered by department/institute/college apart from providing information through electronics and print media. Counseling is also done regarding different programs. During admission and counseling students are informed about infrastructure, facilities, courses, placements information, governance and functioning of the MM(DU).
Industry Interaction / Collaboration	Students are provided with the Clinical and Field exposure by placing them at reputed organizations. Expert talks, workshops, seminars etc. are regularly organized to have more practical exposure among the students. Continuous interaction with the industry for identification of gaps between industry aspirations and skills imparted to students is a regular

feature. Some Centers of Excellence have been established in MM(DU) in collaboration with reputed Industries namely BOSCH, Google, CISCO, Texas Instruments, National Instruments, SAP, etc. in which curriculum based advanced courses in the respective domains are offered apart from Value Added Courses to enhance employability skills of the students. 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.

Human Resource Management

At the end of every academic session, the vacancies are identified (if any), processed and after receiving the applications, the process of screening and scrutiny is followed by conducting interviews by the selection panel. The MM(DU) organizes induction programmes for newly recruited faculties and staff members twice in a year. Annual Self-Appraisal System for the Performance Appraisal of teaching staff also exists. The faculty members apply for promotion under Career Advancement Scheme based upon their respective API Scores. The faculty members who fulfill the eligibility norms are promoted. The MM(DU) also takes care of non-teaching staff welfare and career progression.

Library, ICT and Physical Infrastructure / Instrumentation

The Libraries have rich collection of text books, reference books, International and National Journals and E-resource subscriptions for accessing the newly published research. Other online learning resources such as NDJ, NPTEL, DELNET, INFLIBNET, SCC Online Data Base, AIR Software etc. are available in the institution. News Papers are also available in the Libraries to enhance the knowledge of students. All the Classrooms, faculty rooms, tutorial rooms are well furnished. The departments are having smart classrooms, well furnished seminar halls for organizing guest lectures, fresher's farewell parties, and Alumni Meet etc. Departments have well equipped Computer Labs having more than 1800 computers with latest configuration and 24x7 high speed internet facilities. The MM(DU) campus is having banks, ATMs, cafeterias and other shops for the daily needs of the

students and staff members. There are sufficient numbers of hostels for boys and girls as well as residential facility for staff and faculty members. Further, the MM(DU) has its own Super-specialty hospital with ultra modern facility.

Research and Development

The objective of Research and Development Cell of MM(DU) is to promote research by students and the faculty members. The faculty members are encouraged to organize seminars/conferences, to attend and present papers at state/national/international conferences and seminars. Faculty members and students are motivated to publish their research papers in SCOPUS/WOS/PubMed indexed journals/conferences. Regular guidance is provided to faculty members and students about research papers/research proposals writing. The IQAC cell regularly monitors the outcome of research. Research promotion policy is implemented to motivate faculty and research scholar to publish quality articles and to engage themselves in innovative activities. Various research projects are also funded by different Government/ non-Government agencies.

Examination and Evaluation

The MM(DU) conducts the end semester/annual exams as per norms of UGC/Regulatory Bodies. The evaluation process has fair and transparent practices. The MM(DU) makes all possible efforts to stop malpractices and conduct examination systematically. Internal marks are allotted based on the class performance, assessment test marks and the student's attendance percentage. Paper setters are appointed from a panel recommended by the respective BOS and approved by Academic Council. Paper setting and evaluation process is carried out maintaining full secrecy with full credibility.

Teaching and Learning

A meeting is held with the faculty members before the commencement of the session. Program objectives and learning outcomes are discussed with them. The teaching and learning is carried out through class room teaching, presentations, group discussion, exercises, sessional exams, assignments, and quiz etc. In labs, simulators are used to improve the

practice skills. Hands on skills are being taught to the students through demonstration before going to the clinical areas. Videos, webinars, and e-learning are used to make the topic more understandable for students. In addition to this the Departments encourage the students to participate in various National and International conferences, seminars, workshops and other activities. Internships opportunities are also provided to the students in collaboration with various agencies. Remedial classes and Counseling are provided for slow learners. Special classes are held during Training and placement activities.

Curriculum Development

The curriculum is updated from time to time as per the need of industry based on feedback on curriculum received from students, faculty, alumni, Industry persons and academicians. The curriculum development is done by the department through its Board of Studies/ Faculty for further approval by the Academic Council of MM(DU). The members of BOS and Faculty are the renowned academicians/ industry professionals along with internal faculty members. The draft of curriculum is discussed in the above mentioned bodies and after due deliberation the curriculum is modified and implemented.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Administration	http://14.139.236.66:777/
Finance and Accounts	https://ems.mmumullana.org/
Student Admission and Support	https://sms.mmumullana.org/
Examination	https://erp.mmumullana.org/
Planning and Development	192.168.6.6:8001/elms

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2020	ANISHA PURI	Nil	INDIAN SOCIETY OF ANAE STESIOLOGISTS	1500

2020	AKASH JAIN	INTERNATIONAL CONFERENCE HELD AT NAGPUR, FEBRUARY-2020	Nil	1500
2020	ABHISHEK AGGARWAL	ANNUAL CONFERENCE OF THE DELHI CHAPTER OF IRIA. HELD AT DEPARTMENT OF RADIO DIAGNOSIS AIMS, FEBRUARY-2020	Nil	1500
2019	ANSHU MITTAL	IAPSMCON 2019 HELD AT, MARCH-2019	Nil	1500
2019	AMARVIR KAUR	ADVANCED RESEARCH METHODOLOGY PROGRAMME HELD AT FARIDKOT, JANUARY-2019	Nil	1500

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6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	CME AND SAW BONE DEMONSTRATION ON CTEV (PONSETI TECHNIQUE)	Nil	05/07/2019	05/07/2019	43	Nil
2019	FDP ON INNOVATIVE TOOLS AND RESOURCES FOR TEACHERS	Nil	03/08/2019	03/08/2019	18	Nil
2019	NEWER ARMAMENTARIUM IN THE MANAGEMENT OF DIABETES	Nil	24/08/2019	24/08/2019	105	Nil
2019	Nil	ONE DAY WORKSHOP ON ICT	18/11/2019	18/11/2019	Nil	28

		TOOLS FOR EFFICIENT ADMINISTRATION				
2019	Nil	TOTAL STATION AND AUTO LEVEL	08/08/2019	08/08/2019	Nil	5
2020	Nil	WEBINAR ON "CURRENT SCENARIO, SCOPE AND CHALLENGES IN PHARMACEUTICAL INDUSTRY"	24/10/2020	24/10/2020	Nil	3
2020	Nil	A WEBINAR ON THE TOPIC ON "SELF EMPLOYMENT OPPORTUNITIES IN COLLABORATION WITH MICRO, SMALL MEDIUM ENTERPRISES, KARNAL, 25TH NOVEMBER 2020 .	25/11/2020	25/11/2020	Nil	6
2020	WEBINAR ON TECHNIQUES FOR EFFICIENT NETWORKING	Nil	02/05/2020	02/05/2020	10	Nil
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
21 DAYS REFRESHER COURSE ON CURRICULUM DESIGN AND E-CONTENT DEVELOPMENT	1	27/09/2019	17/10/2019	21

MONSOON CME ON INFECTIOUS DISEASES	1	07/09/2019	08/09/2019	2
ADVANCE NURSING SKILLS	1	26/08/2019	01/09/2019	7
7 DAYS WORKSHOP ON "ADVANCED NURSING SKILLS: AN IMPERATIVE SESSION FOR NURSING PERSONNEL	16	26/08/2019	01/09/2019	7
1ST CME- CHALLENGES IN CHILD PSYCHIATRY (KARNAL)	1	11/08/2019	11/08/2019	1
SHORT TERM COURSE ON 'CONSTITUTIONALISM, LAW HUMAN RIGHTS'	1	08/08/2019	14/08/2019	7
INTERNATIONAL WORKSHOP ON PERSONALITY DEVELOPMENT	1	05/08/2019	10/08/2019	6
6TH INTERNATIONAL VIRTUAL CONGRESS	1	05/08/2019	10/08/2019	6
INDUCTION TRAINING PROGRAM	2	22/07/2019	30/07/2019	9
"21 DAYS 2ND COHORT YOUTH MENTORSHIP EDUCATION ONLINE PROGRAM"	1	01/07/2019	01/07/2019	1
View File				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
701	701	651	3492

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1. Workman compensation insurance for all employees 2. Group insurance policy which	1. Workman compensation insurance for all employees. 2. Group insurance policy which	1. Conducive ambience for any academic pursuit. 2. Group insurance policy which covers personal

covers personal accident insurance with medical expenses reimbursement, 3. Mediclaim policy for illness 4. Timely promotion as per regulating bodies norms. 5. CPF scheme 6. Incentive for the publication of research papers in reputed Research journals and conducive ambience for any academic pursuit. 7. Sports facilities with swimming pool. 8. Medical treatment in MM Hospital. 9. Transport facility for various cities. 10. Internet/wi-fi facility to all the staff. 11. Concession in MM Hotel charges. 12. Gym facilities separate for male and female. 13. Canteen facility for staff and faculty. 14. Public health centers established in nearby villages and at Ambala are also available for routine check-up of the families of the employees residing in those localities 15. Market, post office, banks with ATMs etc. 16. Leave encashment at the time of retirement. 17. Personal loan to the staff members. 18. Tuition fee concession for 2 dependent children studying in MM Institutions. 19. Accommodation on campus at economical rates. 20. Incentive of Rs.5000 on birth of girl child in MM Medical College Hospital, Mullana. 21. Group mobile (CUG) scheme on special discounted nominal charges under COCP scheme and same facility under COIP scheme. 22. An International school for the children of the

covers personal accident insurance with medical expenses reimbursement. 3. Mediclaim policy for illness. 4. Salary through bank. 5. Timely promotion as per regulating bodies norms. 6. CPF Scheme. 7. Sports facilities with swimming pool. 8. Medical treatment in MM Hospital. 9. Transport facility for various cities. 10. Internet/wi-fi facility to all the staff. 11. Concession in MM Continental Hotel charges. 12. Gym facilities separate for male and female. 13. Canteen facility for staff. 14. Public health centers established in nearby villages and at Ambala are also available for routine check-up of the families of the employees residing in those localities. 15. Market, post office, banks with ATMs etc. 16. Leave encashment at the time of retirement. 17. Personal loan to the staff members. 18. Tuition fee concession for 2 dependent children studying in MM institutions. 19. The staff accommodation on campus at economical rates. 20. Incentive of Rs.5000 on birth of girl child in MM Medical College Hospital, Mullana. 21. Group mobile (CUG) scheme on special discounted nominal charges under COCP scheme and same facility under COIP scheme. 22. An International school for the children of the faculty and staff.

accident insurance with medical expenses reimbursement. 3. Mediclaim policy for illness. 4. Incentive for the publication of research papers in reputed international research journals 5. Sports facilities with swimming pool. 6. Medical treatment in MM Hospital. 7. Transport facility for various cities. 8. Internet/wi-fi facility to all the students. 9. Concession in MM Continental Hotel charges. 10. Gym facilities separate for male and female. 11. Canteen facility for students. 12. Public health centers established in nearby villages and at Ambala are also available for routine check-up. 13. Post office, banks with ATMs etc.

faculty and staff. 23. Reimbursement of fee for membership of professional organizations. 24. Academic leave/study leave and other leave as per UGC norms. 25. Financial assistance to the teachers for attending the National/International Conferences/Seminars.

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

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.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
COMPETITION SUCCESS REVIEW, NEW DELHI	22500	Sponsorship for Conference - RTCAIT
View File		

6.4.3 – Total corpus fund generated

2692516976.16

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Null	Yes	IQAC
Administrative	No	Null	Yes	IQAC

6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

The curriculum development is done by the department through its Board of Studies, Faculty of Staff for the further approval by the Academic Council of the University. The Dean of Faculty and Professors are the members of the Academic Council. Further the Dean of Faculty is member of Planning and Monitoring Board wherein the decisions as to the academic excellence and growth are taken after due discussion. The academic delivery layout is prepared by the department in consultation with the relevant authorities. The distribution of work load among the faculty members is based on their choice expressed. The faculty members do participate in various University and Departmental Committees in capacity of convener or member.

6.5.3 – Activities and support from the Parent – Teacher Association (at least three)

1. Information to the Parents regarding Regularity of the Students through SMS.
2. Information to the Parents regarding performance of their ward through letters and telephone.
3. Coordination between teacher and parent regarding improvement of performance of students

6.5.4 – Development programmes for support staff (at least three)

1. ONE DAY WORKSHOP ON ICT TOOLS FOR EFFICIENT ADMINISTRATION Date : 18-Nov-2019 to 18-Nov-2019 Total Participants - 28
2. BASIC KNOWLEDGE OF MATLAB Date : 12-Dec-2019 to 12-Dec-2019 Total Participants - 14
3. MARSHAL STABILITY TEST AND CALIFORNIA BEARING RATIO TEST Date : 02-Jan-2020 to 03-Jan-2020 Total Participants - 5
4. SOFT SKILL TRAINING Date : 18-Jan-2020 to 18-Jan-2020 Total Participants - 18
5. STANDARD PENETRATION TEST Date : 06-Feb-2020 to 06-Feb-2020 Total Participants - 6
6. TRAINING OF IC ENGINE TEST RIG IN BOSCH LAB Date : 03-Jun-2020 to 03-Jun-2020 Total Participants - 25

6.5.5 – Post Accreditation initiative(s) (mention at least three)

1. Applied for NIRF-2020 ranking and achieved overall 93 rank in University category.
2. Introduction of new faculty of Agriculture.
3. The MM (DU) has been placed in 551-600 rank band in QS world rankings 2021 of ASIA region.
4. The hospital got full NABH as well as NABL accreditation.
5. Establishment of Skills Lab and Simulation Centre for Health Science Students.
6. Applied for various UG and PG online courses.
7. 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.

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Faculty development Programme on Universal Human Values for student induction (UHV-SI)	17/12/2019	17/12/2019	23/12/2019	55
2019	ICMR Sponsored Workshop on Research Grant Writing	11/12/2019	11/12/2019	12/12/2019	50
2020	Industrial Motivation Campaign	03/03/2020	03/03/2020	04/03/2020	100
2020	Digital Education in Higher Education Institution	15/06/2020	15/06/2020	15/06/2020	82
2020	FDP on E-Content Development	18/06/2020	18/06/2020	22/06/2020	69

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Orientation Program Regarding Gender Sensitization to M.Sc. Nursing_2nd Year Students	22/08/2019	22/08/2019	18	1
Group Project on Suicide Prevention Management for B. Sc. 3rd year at Agra	10/10/2019	10/10/2019	70	30
Group Project on Suicide	10/10/2019	10/10/2019	35	15

Prevention Management for P.B.B. Sc. 1st year at MMIMSR, Mullana.				
Awareness Program on Gender Sensitization	29/11/2019	29/11/2019	31	Nil
Inservice Education For Nurses on "Therapeutic Communication" at MMIMSR&H, Mullana.	28/02/2020	28/02/2020	27	3
Panel discussion on "Each for Equal"	03/11/2020	03/11/2020	69	1
Gender Sensitivity for a more Inclusive and Just Society	17/10/2020	17/10/2020	115	Nil
Sensitization Programme on Gender Sensitization and prevention of Sexual Harassment.	16/09/2020	16/09/2020	8	Nil
Sensitization Programme on Gender Sensitization and prevention of Sexual Harassment.	15/09/2020	15/09/2020	14	Nil
Poster Making Competition	06/03/2020	06/03/2020	22	Nil
Expert talk on Adolescent Health and Hygiene	05/03/2020	05/03/2020	66	Nil
United Nations International Day for the elimination of Violence against Women	25/11/2019	25/11/2019	13	3

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

MM (Deemed to be University) has initiated all possible measures keeping in view environment consciousness and sustainability. MM(DU) installed Solar power systems which are capable of generating 4760 KW electricity which meets 100 power requirements. Use of Water Recycling System, Use of Bicycles in the Campus, Major Communication through Email and less use of paper, Tree Plantation, prohibiting of fuel operated vehicles in campus and promotion of use of battery operated vehicles are some of other initiatives taken by MM (DU) to practice environment consciousness and sustainability. In addition to this, MM(DU) promotes paper less practice where official documents are shared through e-mails. Where necessary, the official or any other relevant information is shared through WhatsApp group messages. The students and staff are instructed not to use plastic bags. Various awareness programs are conducted at the University to sensitize them towards environment like Swachh Bharat Pakhwada, Quiz, Poster Making, and Best out of waste material competition, Cleanliness campaign etc. Study of environment sciences in all UG programs offered by the university is made compulsory to make student aware about environment consciousness and sustainability.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Braille Software/facilities	Yes	Nil
Rest Rooms	Yes	2
Scribes for examination	Yes	Nil
Special skill development for differently abled students	Yes	Nil
Any other similar facility	Yes	2

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2020	1	1	10/10/2020	1	AWARENESS PROGRAMME ON "MANAGE YOUR STRESS BEFORE IT MANAGES	STRESS MANAGEMENT	31

					YOU", "MENTAL HEALTH FOR ALL, GREATER I NVESTMENT - GREATER ACCESS EVERYONE, EVERYWHER E" THROUGH VIRTUAL MODE ON 1 0-OCTOBER -2020		
2020	1	1	01/12/2 020	1	ROLE PLAY ON WORLD AIDS DAY THROUGH VIRTUAL MODE ON 0 1-DECEMBE R-2020	WORLD AIDS DAY	42
2020	1	1	19/11/2 020	1	AWARENESS PROGRAMME ON QUALITY, EQUITY, DIGNITY FOR EVERY NEWBORN AT EVERY HEALTH FACILITY AND EVERY WHERE THROUGH VIRTUAL MODE ON 1 9-NOVEMBE R-2020	QUALITY, EQUITY, DIGNITY FOR EVERY NEWBORN	571

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
CODE OF CONDUCT	10/07/2019	A Student of Maharishi Markandeshwar (Deemed to be University), Mullana is expected to follow the code of conduct in order to maintain discipline in the institution, regulatory and to keep a

		<p>high degree of professional integrity. MM (DU) believes in promoting a safe and efficient climate by enforcing behavioral standards. All students must uphold academic integrity, be respectful to all persons, to their rights, to this Deemed to be University property and to the safety of others.</p>
<p>FACULTY DEVELOPMENT PROGRAM ORGANIZED AT MMDU</p>	<p>17/12/2019</p>	<p>An AICTE sponsored 7 days' residential Faculty Development Program related to Student Induction Program (SIP) based on Universal Human Values (UHV) was organized at Maharishi Markandeshwar (Deemed to be University), Mullana from 17th Dec 2019 to 23rd Dec 2019. The program was organized in collaboration with IQAC Cell, MM(DU) to train the teachers for Student Induction Program (SIP) based on Universal Human Values (UHV). The program witnessed the participation of 74 teachers from various colleges of northwest zone who gained knowledge on universality, verifiability, naturally acceptable and rational to strengthen a wide range of issues like education, reality, happiness, success, aspirations, etc. The program enriched their understanding of Nature, relationships, environment, social issues, and self-confidence among many other useful topics. The teachers were provided with the best support and resources by the MM(DU) management reflecting the group's commitment to</p>

education and the betterment of the academic community. The program featured lectures from Shri Gopal Babu and Shri Sonnender Sharma who outlined the Universal Human Values and its role for society through Student Induction Program. The program was coordinated very nicely and everyone appreciated the flow of events. The workshop ended on a positive note with all the participants expressing their gratitude to each other for knowledge sharing and a commitment to keep the learning spirit alive.

UNIVERSAL HUMAN VALUES-STUDENT INDUCTION PROGRAM	28/02/2020	A program was organized to develop human values in students of the Department of Biotechnology, MM(DU). More than 55 students took part in the event.
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7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Faculty Development Program: The main emphasis of this Faculty Development Program was on Human Values.	21/09/2019	21/09/2019	13
Faculty Development Program related to Student Induction Program (SIP) based on Universal Human Values (UHV)	17/12/2019	23/12/2019	74
Faculty development Programm	28/02/2020	01/03/2020	53
Universal Human Values-Students Induction Programm	28/02/2020	01/03/2020	55

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Restricted entry of Automobiles: 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.

Regular Audits: 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.

Initiative for Green Campus: 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.

Green Energy Initiative: 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. Also exporting huge number of electrical units to the state electrical grid, thereby contributing to the country towards a huge resource and infrastructure requirement.

Waste Management: a. 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. b. 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. c. Biomedical Waste Management: MM (DU) has adopted the Bio-Medical Waste Management Rules, 2016. 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. d. 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.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

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 Aayushman 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 benefitted with the services offered by MM(DU).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. Ammuntation: 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. 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).

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

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.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://www.mmumullana.org/wp-content/uploads/2021/04/Best-Practices.pdf>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

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

Medical Waste on monthly basis, has been engaged by theMM (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.

Provide the weblink of the institution

<https://www.mmumullana.org/wp-content/uploads/2021/03/distinctive-feature.pdf>

8.Future Plans of Actions for Next Academic Year

1. To offer more number of value added courses. 2. To promote overall development of students by organizing various curricular and co-curricular activities. 3. To motivate research scholars to publish/ present papers in reputed SCOPUS/ WoS/ PubMed journals/ conferences. 4. To motivate faculty members and researchers to publish more number of books/ books chapters. 5. To prepare and submit research/ consultancy proposals for getting grants from Government/ Non-Government agencies. 6. To conduct more placements drives for enhancing placements of students. 7. To conduct more academic and administrative training programmes for the development of teaching and non-teaching staff members. 8. To explore linkages with Institute of National/ International Importance/ other Universities for Faculty/ Student Exchange programme/ research collaboration and with Industry for Internship/ On the-Job Training/ Project Work/ Placement/ Industrial Visits etc.