The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. *(Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)*

Session: **July 1, 2016 to June 30, 2017**

Name of the Institution: Maharishi Markandeshwar University, Sadopur
(With year of establishment) 2010

Part – A

AQAR for the year *(for example 2013-14)*   2016-17

1. Details of the Institution

1.1 Name of the Institution   Maharishi Markandeshwar University, Sadopur

1.2 Address Line 1   Village, Sadopur

Address Line 2

City/Town   Ambala

State   Haryana

Pin Code   134007

Institution e-mail address   info@mmambala.org

Contact Nos.   0171-3041500

Name of the Head of the Institution:　| Dr. Harish Kumar Sharma |

Tel. No. with STD Code:　| 0171-3041505 |

Mobile:　| 8059932404 |

Name of the IQAC Co-ordinator:　| Dr. Praveen Ailawalia |

Mobile:　| 80599-33104 |

IQAC e-mail address:　| deanacademic@mmambala.org |

1.3 **NAAC Track ID** *(For ex. MHCOGN 18879)*　| HRUNGN11490 |

OR

1.4 **NAAC Executive Committee No. & Date:**
(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

1.5 Website address:　| www.mmambala.org |

Web-link of the AQAR:　| www.mmambala.org/IQAC |

For ex. http://www.ladykeanecollege.edu.in/AQAR2012-13.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	B	2.01	2016	5 years
2	2nd Cycle				

3	3rd Cycle				
4	4th Cycle				

1.7 Date of Establishment of IQAC :DD/MM/YYYY

18/12/2014

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*(for example AQAR 2010-11submitted to NAAC on 12-10-2011)*

   i.   AQAR _____ _____ (DD/MM/YYYY)4
   ii. AQAR_____ _____ (DD/MM/YYYY)
   iii. AQAR_____ _____ (DD/MM/YYYY)
   iv. AQAR_____ _____ (DD/MM/YYYY)

1.9 Institutional Status

   University   State ☐ Central ☐ Deemed ☐ Private ☑

   Affiliated College   Yes ☐   No ☑

   Constituent College   Yes ☐   No ☑

   Autonomous college of UGC   Yes ☐   No ☑

   Regulatory Agency approved Institution   Yes ☑   No ☐

   (eg. AICTE, BCI, MCI, PCI, NCI)

   Type of Institution   Co-education ☑   Men ☐   Women ☐

                         Urban ☑   Rural ☐   Tribal ☐

   Financial Status   Grant-in-aid ☐   UGC 2(f) ☐   UGC 12B ☐

                      Grant-in-aid + Self Financing ☐   Totally Self-financing ☑

1.10 Type of Faculty/Programme

   Arts ☐   Science ☑   Commerce ☑   Law ☐   PEI (Phys Edu) ☐

   TEI (Edu) ☐   Engineering ☑   Health Science ☐   Management ☑

   Others   (Specify)   Agriculture, Pharmacy, Architecture, Journalism and Mass Communication, Performing Arts

1.11 Name of the Affiliating University *(for the Colleges)*

N/A

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc   N/A

Autonomy by State/Central Govt. / University

University with Potential for Excellence   UGC-CPE

DST Star Scheme   UGC-CE

UGC-Special Assistance Programme   DST-FIST

UGC-Innovative PG programmes   Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers   03

2.2 No. of Administrative/Technical staff   01

2.3 No. of students   01

2.4 No. of Management representatives   01

2.5 No. of Alumni   01

2. 6 No. of any other stakeholder and   01

    community representatives

2.7 No. of Employers/ Industrialists   01

2.8 No. of other External Experts   01

2.9 Total No. of members   10

2.10 No. of IQAC meetings held : 01

2.11 No. of meetings with various stakeholders: No. | 01 | Faculty | 01 |

        Non-Teaching Staff Students | - | Alumni | 01 | Others | - |

2.12 Has IQAC received any funding from UGC during the year?   Yes [ ]   No | √ |

        If yes, mention the amount [   ]

2.13 Seminars and Conferences (only quality related)

    (i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

    Total Nos. [ ]   International [ ]   National [ ]   State [ ]   Institution Level [ ]

    (ii) Themes [   ]

2.14 Significant Activities and contributions made by IQAC

> IQAC provides guidelines for Academic planning and Academic Implementation to all departments/schools. Course files for each course are maintained by faculty members. Mentors are assigned to a group of students as mentees. Regular mentor-mentee meetings are conducted. At the end of semester student submit their feedback on different aspects like curriculum and delivery.

2.15 Plan of Action by IQAC/Outcome

    The plan of action chalked out by the IQAC in the beginning of the year towards quality

    enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
One sessional exam per week (Monday) was conducted to facilitate the student and enable them to prepare more effectively for the exams.	There was a significant improvement in attendance and results. The idea was appreciated by the students.

    * Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body   Yes [ ]   No | √ |

        Management [ ]   Syndicate [ ]   Any other body [ ]

Provide the details of the action taken

<u>Part – B</u>
Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	05	02	07	00
PG	06	01	07	00
UG	07	02	09	00
PG Diploma	00	00	00	00
Advanced Diploma	00	00	00	00
Diploma	00	00	00	00
Certificate	00	00	00	00
Others	00	00	00	00
Total	18	05	23	00

Interdisciplinary				
Innovative				

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options
(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	23
Trimester	00
Annual	00

1.3 Feedback from stakeholders*   Alumni [√] Parents [√]   Employers [√]   Students [√]
(On all aspects of students' welfare)

Mode of feedback   :   Online ☐   Manual ☑   Co-operating schools (for PEI) ☐

The University adopts a very strong feedback system. Feedback on curriculum development and delivery is taken from all the stake holders. At the beginning of every semester, academic bodies of the University meet to share the feedback on curriculum by experts from Academic institutes, Industry and University Alumni. The curriculum is designed and later approved by these bodies. At the end of semester, a general feedback from the concerned faculty member(s) is also collected for analysis. Feedback from faculty members on a particular course contents is then placed before the academic bodies in the next meeting for discussion.

The most important stake holder i.e students also form a part of feedback system. The students share their feedback on the contents and delivery of a particular course at the end of semester. Subject Experts analyse the feedback submitted by the students and relevant points are placed before the departmental committee for discussion. These points are then placed before the academic bodies for revision in syllabus/curriculum.
80% of students have rated excellent and good feedback on Quality of teaching and other infrastructure facilities.85% students have rated Good feedback on Mentoring and overall course curriculum. More than 80% students are satisfied with the quality of practical training.

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Sr. No.	Date of BOS	Nature of Revision/Updation of Syllabi
1.	28 July 2016	• Syllabus of 7th and 8th Semester, B.Tech. for 2014-18 batch was approved, Syllabus for disaster management was approved in Civil Engineering department
2.	29th July, 2016	Following subjects of specialisation were introduced in the respective specializations of MBA 4th Semester. • Wealth Management. • Disaster Management. • Business Intelligence & Analytics.
3.	02 August 2016 and 24th January 2017	• Electronics and Communication Engineering department conducted two Board of Studies meetings during the session in which members of committee revised and approved the syllabus and scheme of 7th and 8th semester, B. Tech.
4.	04 August 2016 and 09 February 2017	• Scheme & Syllabus of B. Tech 7th and 8th Semester was revised in Mechanical Engineering Department • MOOC Courses inculcated as Elective Subjects in the Schemes of B. Tech.(ME) 5th & 7th Semester in Mechanical Engineering department
5.	09 Aug 2016 and 12 Jan 2017	• Newly approved syllabus of B.Sc.(Hons.) Agriculture in BoS meeting in Agriculture Science Department.

6.	12 Jan 2017	• Syllabus of Elementary Biology (BAG-113) was revised for B.Sc.(Hons.) Agriculture.
7.	24 January 2017	• Syllabus for 'Transportation Engineering' for B.Tech 2014-18 batch was revised and approved in CE department
8.	28 January 2017	• Department of Applied Sciences introduced two Lab courses in each specialization of M.Sc.(Chemistry).
9.	May 6, 2017	• MM School of Pharmacy adopted the syllabus as drafted and mandated by Pharmacy Council of India in BoS.
10.	21st July 2017	• Scheme & syllabi of Bachelor of Computer Application (BCA) in Cloud Technology and Information Security (CTIS) and Mobile Application and Web Technology (MAWT) w.e.f. session 2017-2018 approved. • Syllabus of Quantitative Methods & Computer Application and Software Lab-1 of Ph.D. course work were revised w.e.f. July, 2017. • The MOOC courses: • Introduction to Internet of Things • Privacy and Security in Online Social Media • Programming, Data Structures and Algorithms using Python were recommended as Elective subjects for B.Tech.(CSE)-7th semester (for 2014-18 batch onwards) w.e.f. July, 2017.

1.5   Any new Department/Centre introduced during the year. If yes, give details.

The Society for Alumni Affairs and Centre of Industry -University linkage were created in the Department of Applied Science and Humanities.

ECE department introduced two new courses approved by Training Sector Skill Council viz. Broadband Technician and Embedded Hardware Developer.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

79

Total	Asst. Professors	Associate Professors	Professors	Others
79	47	17	15	NIL

2.2 No. of permanent faculty with Ph.D. :

23

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
14	NIL	NIL	NIL	04	NIL	NIL	NIL	18	NIL

2.4 No. of Guest faculty, Visiting faculty and Temporary faculty in University

NIL		18		NIL

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	1	46	-
Presented papers	6	11	-
Resource Persons	-	01	-

2.6 Innovative measures adopted by the institution in Teaching and Learning:

- ICT, NPTEL, Link street, Use of Audio Video Aids including power-point shows, scientific documentaries , Conduct of Remedial Classes for Weak students, Science Quiz, poster

presentation, debates, Class Seminars, etc.

- Spoken Tutorials of IIT, Mumbai, DELNET, E-Pathshala.

- Practical knowledge based, Application based and multi-disciplinary projects (included in curriculum)

- Professional Skill Enhancement Programme
  - o Computer Aided Design & Drawing
  - o Geographical Information Systems & Remote Sensing
  - o Personality development Program
  - o Learning through Teaching (LTT)
  - o Survey Camp
  - o Industry Oriented Hands-on-Training

- Guest lectures/Workshops/Seminars by the Eminent Professors/Industrialists

- Case Studies

- Parents-Teacher meeting to share feedback of students with their parents and to know about their issues and concerns and plan remedial steps/measure to be taken in future accordingly.

- MOOC Courses made available to students

- Industrial Visits at regular intervals

- Student Mentoring System.

- Organization of Technical Events for enhanced learning.

- Blending learning with E-resources through 24*7 available free access to Cyber

- Ensuring continuous updating of teacher competencies through a strong policy of support and teacher deputation

2.7 Total No. of actual teaching days during this academic year (2017-18)

180

2.8 Examination/ Evaluation Reforms initiated by the University (for example: Online test/Exams, MCR Objective Exams, Bar Coding, Double Valuation, Photocopy)

1. External Paper Setters
2. Table marking
3. Re-evaluation system

2.9 No. of faculty members involved in curriculum Restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

28	17	25

2.10 Average percentage of (attendance of) students' attendance enrolled in different courses

80

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of student appeared	Data for period "1st July to 30th June 2017"					
		Distinction %	I %	II%	III %	Pass%	Remarks
B Tech (CE)	23	08 (34.78%)	06 (26.09%)	-	-	78.26%	Pass but RL-Lower 4
B Tech. (CSE)	16	04 (25%)	03 (18.75%)	-	-	75%	Pass but RL-Lower 5
B Tech (ME)	23	03 (13.04%)	03 (13.04%)	-	-	47.82%	Pass but RL-Lower 5
B Tech. (ECE)	06	-	04 (66.67%)	-	-	100%	Pass but RL-Lower 2
B Com.	11	01 (9.09%)	08 (72.73%)	-	-	81.82%	-
BBA	14	02 (14.28%)	05 (35.71%)	01 (7.14%)	-	78.57%	Pass but RL-Lower 3
MBA	07	00	05 (71.43%)	01 (14.28%)	-	85.71%	-
B.Arch.	27	01 (3.7%)	23 (85.18%)	-	-	100%	Pass but RL-Lower 3
M Sc. (Chemistry)	31	13 (41.93%)	18 (58.06%)	-	-	100%	-

2.12 How does IQAC Contribute/Monitor/Evaluate in their teaching to achieve the best:

IQAC facilitates academic audits. The IQAC constantly monitors teachings and learning processes through student feedback forms, monitoring of exam results, parents' feedback and alumni feedbacks.

The IQAC of the institution contributes, monitors and evaluates teaching & learning processes by conducting periodical meetings. The outcomes of various proposals are recorded for improving the quality of education. It also decides on the measures to be taken to improve and sustain the quality of

higher education.

The Action Plan for the academic year is prepared after going through the performance in the Professional examinations. IQAC issues guidelines for the faculty to modify their teaching learning methodology as well.

At the end of semester, feedback is taken from the students which is used for helping the faculty members to know the outcome of their teaching methodology and take some remedial measures, if necessary and make some modifications.

The IQAC monitors the submission of course outlines of all the courses.

It ensures that all the students get a copy of the course outline for every course. It also monitors the course feedback to ensure that students feel satisfied with different courses and their suggestions are given due importance.

IQAC also gets periodically involved in initiating discussions and decisions on procurement of library books, staff professional development programs, and procurement of common resources & lab materials.

IQAC acts as Co-ordinator in different teaching-learning processes. It monitors strict & smooth implementation of Academic Calendar of the University based on the suggestions and feed backs of the stakeholders.

Every Department has a Quality Cell for continuous updation of information and supplying the same to IQAC at the central level. At departmental level the Quality Cell prepares the roadmap of qualitative teaching and Research. The head of Departmental Quality cell is the HoD (Professor) (who acts as the Coordinator) and one Associate Professor/Assistant Professor.

IQAC also:

- Helps in generating and maintaining institutional database to enhance quality of the adopted practices.
- Helps in disseminating information as per assorted quality indicators of higher education.
- Helps in creating a learner-centric environment that facilitates quality education and faculty grooming.

Recommends improvisation in University API system by proposing suggestions in existing academic/research activities.

IQAC monitors and evaluates the teaching and learning processes with the help of various committees and coordinators like Internal Assessment Coordinator, Examination Coordinator, Program Coordinator etc. Some of the key points highlighting the role of IQAC for teaching and learning process are as

follows:

• The learning is made student-centric by arranging regular and scheduled lectures on all subjects. Along with these Complimentary lectures by subject experts from top institutes are also arranged to facilitate enhanced learning to the students.

• The University has faculty program coordinator for all specified courses who looks after smooth conduction of classes. These program coordinators also take regular feedback from the students to ensure effective learning on all subjects.

• The institute is fully equipped with latest Information and Communication Tools like Wi-Fi Campus, Internet facility, Audio Visual Aids for effective classroom teaching. The faculty members are also required to use modern teaching aids such as Power point presentations during their lectures.

IQAC members meet every month and the meetings are conducted to discuss the following agenda:

a) Progress on points discussed in the previous month's meetings.

b) Event planned for the current month.

c) Academic Planning and its execution.

d) Discussion regarding finding solutions to Administrative and Academic Issues.

e) IQAC conducts internal audits of each process to ensure that the teaching learning process has been Carried out as per plans.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	4
UGC – Faculty Induction Programme	12
HRD programmes	4
Orientation programmes	16
Faculty exchange programme	-
Staff training conducted by the University	2
Staff training conducted by other Institutions	14
Summer / Winter schools, Workshops, etc.	09
Others	-

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	28	-	12	-
Technical Staff	31	-	18	-

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- The IQAC of the institution encourages staff members to undertake major and minor research projects and to organize seminars, workshops and conferences, etc.

- The staff and students are informed about various fellowships available and they are encouraged to apply for the same.

- The IQAC meets regularly to discuss various plans to promote research environment and motivate the faculty for academic advancement.

- IQAC provides strong recommendations to intensify the research activities through induction of cutting-edge research equipment and leverage research initiatives through national and international level collaborations. The IQAC with the support of the Top management motivates the teachers and students to publish research paper and actively take part in TAG activities/ Curricular/Co-curricular/Extracurricular activities.

- Monetary incentives have been established for UG and PG students to publish scholastic articles in high quality journals.

- IQAC facilitates conduction of sessions on how to prepare research proposals, publish research papers and administer projects to orient the staff and students towards Research activities

- The IQAC addressed various issues to improve the quality of research output in the university and have outlined criteria for research benchmarking. The Research Promotion Board formulates policies and guidelines for improvement of quality research from time to time.

Research Projects

- Artificial intelligence, hyperspectral remote sensing and GIS for monitoring the dynamics of kabartal wetland in Bihar and development of a sustainable conservation strategy, Date of submission: 30th March 2017, PI: Dr. Bushra Zaman, Co- PI: Dr. Chhotu Ram, Co-PI: Dr. Jigyasa Garg, Cost: Rs. 37,35,623, Submitted to MOEFCC.

- Ganga river water and groundwater quality monitoring of industrially and agriculturally predominant areas of Bhagalpur Bihar with special focus on Vikramshila Gangetic Dolphin Sanctuary stretch - A GIS approach (Ref. No.: EMR/2016/007906), Date of submission: 31st December 2016, PI: Dr. Bushra Zaman, Co- PI: Dr. Chhotu Ram, Co-PI: Dr. Ruby, Cost:

1,38,56,322, Rejected and have to resubmit.

Consultancy Projects

- Residence Project at Nawashahr Punjab, Engrace Architects, Chandigarh, Faculty involved: Er. Balwinder Lallotra, Amount: Rs. 20,000 (2016).

- Structure Design & Estimate for the construction of revised revenue houses 1300 sq. ft, 800 sq. ft, 650 sq. ft and 450 sq. ft housing sector 15-A, officer colony, Faridabad, Jindals Consortium, Faculty involved: Er. Balwinder Lallotra, Amount: Rs. 3,13,500 (2016).

The university has a policy to appoint a Faculty Coordinator for each research activity like major research projects, summer internship projects, research methodology workshops, case writing workshops, conferences, research paper contests, etc. These faculty coordinators play their roles as catalysts in promoting research activities.

- Different Departments are encouraged to take initiatives regarding organizing conference, seminar, short term course and workshop etc. and also to submit research proposal to national finding agencies.

- Initiatives are taken from time to time to encourage Departments to submit research proposal to national funding agencies.

- The faculty members are allowed to pursue their research work by providing them with NoC and to do their research work project in departmental laboratories. Encouraged faculty is promoted to attend seminars/conferences and encouraged to undertake research projects.

3.2   Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	1
Outlay in Rs. (Lakhs)	-	-	-	37.35

3.3   Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	2	-	
Outlay in Rs. (Lakhs)	0.2	3.0	-	

3.4   Details on research publications

	International	National	Others
Peer Review Journals	70	01	-
Non-Peer Review Journals	-	-	-
e-Journals	-	-	-
Conference proceedings	07	10	02

3.5 Details on Impact factor of publications:

Range [ ]   Average [ ]   h-index [8]   Nos. in SCOPUS [05]

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	-	-	-	-
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	Maharishi Markandeshwar University, Sadopur	1,70,000	1,70,000
Students Research Projects *(other than compulsory by the University)*	-	-	-	-
Any other(Specify)	-	-	-	-
Total	-	-	-	-

3.7 No. of books published   i) With ISBN No. [-]   Chapters in Edited Books [-]

ii) Without ISBN No. [-]

3.8 No. of University Departments receiving funds from

UGC-SAP [-]   CAS [-]   DST-FIST [-]

[-]   [-]

DPE   DBT Scheme/funds

3.9 For colleges

Autonomy | - | CPE | - | DBT Star Scheme | - |

INSPIRE | - | CE | - | Any Other (specify) | - |

3.10 Revenue generated through consultancy   Rs. 3, 33, 500
     in university

3.11 No. of conferences organized by the Institution at different levels

Level	International	National	State	University	College
Number	-	01	-	-	-
Sponsoring agencies	-	-	-	-	-

3.12 No. of faculty that served as experts, chairpersons or resource persons   1

3.13 No. of collaborations

International | | National | 7 | Any other | |

3.14 No. of linkages created during this year   8

3.15 Total budget for research for current year in lakhs:

From funding agency | | From Management of University/College | 1.6 |

Total | 1.6 |

3.16 No. of patents received this year:

Type of Patent		Number
National	Applied	5
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17   Research awards/ recognitions   received by faculty and research fellows
        Of the institute in the year

Total	International	National	State	University	Dist	College
01	1 (Granted Adjunct Professor Position at Utah State University, USA)	-	-	-	-	-

3.18 No. of faculty from the Institution who are Ph. D. Guide   06
and students registered under them   12

3.19 No. of Ph.D. awarded by faculty from the Institution   -

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF   -   SRF   -   Project Fellows   -   Any other   1

3.21 No. of students Participated in NSS events:

University level   92   State level   -

National level   -   International level   -

3.22 No. of students participated in NCC events:

University level   -   State level   -

National level | - | International level | - |

3.23 No. of Awards won in NSS:

University level | - | State level | - |

National level | - | International level | - |

3.24 No. of Awards won in NCC:

University level | - | State level | - |

National level | - | International level | - |

3.25 No. of Extension Activities organized

University forum | 03 | College forum | 00 |

NCC | - | NSS | 02 | Any other | - |

3.26 Major Activities during the year in the sphere of Extension Activities and Institutional Social Responsibility

- SwaroopMM'17 – A University level Techno-Cultural fest was organized during April 6-8, 2017.
- TEDxMMU Sadopur Ambala was organised at the MM University Sadopur Campus on April 29, 2017.
- Blood Donation camps were organised on Nov. 22, 2016 and April. 24, 2017
- Tree Plantation Drive was organised on July 27, 2017.
- Surtarang- A National Singing Talent Hunt Event was organised on 12 November 2016.
- Earth Day was celebrated on April 21, 2017.
- Workshop on "Art of Memorizing" by Memory King, Mr. Krishan Chahal was organised on 20 January 2017.
- Social talk by Ms. Vijay Lakshmi Sharma and Medical Baba during SWAROOPMM'17.
- FBB Campus Princess during SWAROOPMM' 17.
- Yoga day celebration on June 21, 2017.
- International Youth Day celebration on August 12, 2016.
- Awareness Program on "IMPORTANCE OF DIGITAL PAYMENTS AND E-BANKING METHODS" organized in Department of Electronics and Communication on February 9, 2017.
- National Pharmacy Week was celebrated during November 28-30, 2016.
- National Science Day on February 28, 2017.

Criterion – IV

1.   Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	36049 Sqm.	-	-	36049 Sqm.
Class rooms	32	-	-	32
Laboratories	50	06	MM University	56
Seminar Halls	05	01	MM University	06
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	-	-	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	2654861	MM University	2654861
Others	-	1109059	MM University	1109059

4.2 Computerization of Administration and Library

- Internet access
- Wi-Fi connectivity
- Network Printing facility
- Software for library management
- Availability of online resources such as NDLS, DELNET
- Administration through implementation of Enterprise Resource Planning
- Registration of students and faculty in National Digital Library. Free access for the students and faculty through ICAR E learning portal.
- The University has link street app online platform for sharing academic material with the students.
- OPAC (Online Public Access Catlog) - Acc Soft 2.0 facility. Library activities are managed through SOUL 2.0 INFLIBINET
- Students are registered at ERP biometric system for their attendance.

- Library has a number of Audio and Video CDs for e-learning of students and the same have been kept in separate shelves for easy access by the students and faculty members.

- Computer centre of the University helps various departments in different activities. Its contribution can be recorded/ aligned as follows:

  (i) Helping Accounts Department in its regular activities like preparing the salaries of employees, financial accounting including cashbook, ledger, etc.

  (ii) Preparing and regular updation of the University website.

  (iii) Helping Examination Department in various activities including students' enrolment, pre-examination processing, statistics for conduction of examination, processing of results, grade sheets, convocation degree etc.

- Providing installation and maintenance of computers as well as internet facilities to all the departments and throughout the university.

4.3 Library services: -

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	19678	3847592/-	2601	1058879/-	22279	4906471/-
Reference Books	272	83411/-	22	179863/-	294	263274/-
e-Books	-	-	-	-	-	-
Journals	85	208337/-	31	121910/-	116	330247/-
e-Journals (IEEE,ASME,ASCE,DELNET)	01	11,500/-	3	679049/-	04	690549/-
Digital Database EBSCO,K-HUB	-	-	2	358895/-	02	358895/-
CDs & VCDs(for Books Only)	800	-	24	-	824	-
Others (specify) IS CODE, NEPTL VIDEO(500GB SATA Hard disk)	15	109500/-	01	-	16	109500/-

4.4 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	536		369		100	47	20	
Added	00		00		00	00	07	
Total	536		369		100	40	27	

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- Special Assistance Programme (SAP)

- Computer centre is one of the (supporting and significant) pillar that supports development of academic excellence at University Campus at MMU, Sadopur.

- The centre is facilitating computing, internet, web services to the students, researchers and faculty members.

- There are approximately 1,000 net users in the university.

- University also provides Wifi and LAN facility to faculty and students using Open Source Software for information sharing and retrieval. The leased lines of BSNL, JioNet are playing instrumental role for facilitating university network.

- Department of Computer Science and Engineering organised Expert Lecture and Industrial Visit for post graduate students and faculty members. Students and faculty members use the NPTEL & DELNET platform regularly.

- Department of Computer Science and Engineering Organized an ICT based short-term course on "Cyber crime and Forensic Tools" in collaboration with NITTTR, Chandigarh for faculty and students of the University from 06-10 February 2017.

- Department of Computer Science and Engineering Organized an expert lecture on Ethical hacking for students and faculty on 02 February 2017.

- Department of Computer Science and Engineering organized a workshop on Android for faculty and students on 15 March 2017.

- 15-day training on SAP technology conducted at Maharishi Markandeshwar (Deemed University), Mullana for CSE faculty during 15 June – 29 June 2017.

- 10- day workshop on "Java Technology" at Maharishi Markandeshwar (Deemed University),

Mullana for faculty in May 2017.

- One Day workshop on TINAPRO software on March 7, 2017. By Dr S.S Saini, Principal Scientist CSIO-CSIR Chandigarh and Ms. Navneet Kaur, Training Co-ordinator, IETE, Chandigarh Centre. Practical knowledge gained by students through experimentation done with software.

- One Day workshop organised on ORCAD software on Feb. 8, 2017 by Ms. Navneet Kaur, Training Coordinator, IETE Chandigarh Centre. A knowledgeable interactive session for students with speaker.

- Department of Electronics and Communication Engineering Expert Lecture on Latest and Future Trends in Optical Communication System and Networking was organised on Feb. 8, 2017. Dr. Umesh Tiwari, Sr Scientist, CSIO-CSIR Chandigarh was the key note speaker. The students gained knowledge and had an interactive session with the speaker.

4.6 Amount spent on maintenance in lakhs :

i) ICT	-
ii) Campus Infrastructure and facilities	6731312
iii) Equipments	423572
iv) Others	925726
Total :	8080610

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Student representatives appointed/selected on IQAC to communicate student requirements and perspectives to IQAC and to disseminate the support services available at the school as well as the new proposed schemes and suggestions among student community.

- Feedback taken from students to identify the area of improvement.

- Initiation of strong Co-curricular engagement of students by conducting Youth-Festivals

- Orientation for first year UG and PG students is conducted at the time of admission.

- The IQAC monitors student support institutional services at the campus related to Admissions, Hostel facilities, sports and recreational activities, scholarship and examination reforms and ensures release of grants for the up-gradation of existing and creation of new facilities. Various services related to "Health and Hygiene", "Sports and Recreation" facilities have been upgraded following students suggestions.

- The IQAC creates awareness through meetings and circulars regarding student support services.
- IQAC Monitors Departments, Centers, CEC, NSS, Library, Computer Center and Training and Placement Office for Students' awareness and Students' support.
- Academically brilliant students are provided with book bank facility available in library.

5.2 Efforts made by the institution for tracking the progression

- Effective mentoring process has been implemented and Information conveyed to parents regularly regarding their wards' different activities and performance at campus. The mentors periodically maintain record of students; academic performances and of problems being faced by them during their academic tenure. The mentor regularly updates the mentees' parents about the progress of the mentees.
- Training and Placement Cell facilitates students for summer internship and placements.
- Remedial Classes for weaker students, special classes for soft skill development, up gradation of skills of students as per changing scenario of todays, professional world.
- Advance-learner/meritorious students are awarded with "Certificate of Appreciation".
- Feedback on all aspects is collected from students on a regular basis to introduce reforms in the existing processes.
- Students' progress is tracked both academically and co-curricular activities. Academically, the students are tracked by Continuous Internal Assessment (CIA), mentoring, parent teacher meet

etc. In the area of sports, various games are conducted to select students for representing the college/University. The college cultural fest "SWAROOPAM'17" conducted with the aim of providing a platform to the students to showcase their innate talents.

- Tutorial classes are taken for students to improve their academic performance.
- Result analysis of End Semester Examination is conducted to ascertain the academic progress of students.
- During mentor mentee scheme queries are taken regarding library books, notes, and class attendance and all possible efforts are made to satisfy students' queries and doubts.
- For tracking the progression conduction of sessional series and projective form of assignments are given to students.
- Through one to one Students-Teacher interaction probable solutions are prepared for upgardation of their studies.
- Students are provided proper guidance regarding academic and career choice as per their interest, stream/subject, their IQ level and resources available to them.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
771	104	36	-

(b) No. of students outside the state

568

(c) No. of international students

06

Men

No	%
608	66.6

Women

No	%
304	33.4

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenge	Total
112	28	-	30	-	170	194	31	-	62	-	287

Demand ratio   Dropout % 5.28

5.4 Details of Student Support Mechanism for coaching of competitive examinations (If any)

- There is no separate arrangement for coaching of competitive exams. However the faculty members encourage and motivate their students to appear for these exams and guide them on regular basis for GATE and IES exams.

- Proper guidance regarding competitive examinations is provided to our deserving/eligible students by senior faculty of the University.

- Personality Development Programmes have been made a compulsory subject to enhance intellectual abilities and personality traits of students.

No. of students beneficiaries | - |

5.5 No. of students qualified in these examinations

NET	-	SET/SLET	-	GATE	-	CAT	-
IAS/IPS etc	-	State PSC	-	UPSC	-	Others	-

5.6 Details of student counselling and career guidance

- Mentor Mentee System
- Centralized Placement Cell
- The University provides 'Psychological Counselling' to students and organizes 'Community Intervention Programme' that includes/by conducting workshops and seminars on psycho-social problems. In addition, Training and Placement Cell & Career-Counselling cell organizes programmes related to Career counselling, personality development and other awareness programmes.
- The students are guided by university's qualified and experienced faculty regarding their career through various counselling sessions to the interested students. Here students are provided with all opportunities and facilitated well to get their research papers publish in different journals of national and international repute and also to get file a patent.
- To inculcate awareness among students about entrepreneurial skills, an Entrepreneurship Awareness Programme was organized in collaboration with State Bank of India.
- The mentor also motivates the mentees to participate and enhance their skills and talents through

appropriate forum or activity of the University (fine arts, sports, extension activities, workshops, etc.).

- Besides academic support, guidance for employability is also extended by the mentors.
- Industrial visits are arranged regularly for students to sensitize them about the practical challenges in todays' scenario in corporate sector.
- Special talks by experts/experienced faculty are conducted regularly relating to career choice and development.
- Counselling and enlightening of students related to gender sensitization issue is availed via Women Grievance Cell.
- Enhancement of holistic development and employability skills of students, illusion of PDF Programme is made mandatory in curriculum.

No. of students benefited

| 372 |

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited**(Enclosed the list of companies separately)**	Number of Students Participated	Number of Students Placed	Number of Students Placed
73	166	23	13

5.8 Details of gender sensitization programmes

- The women cell consisting of senior Professors/Officers/Social workers/Civil Administration looks after the issues (related to females on campus) and organizes Gender Sensitization Programs.

  In this regard, the following activities have been carried out:
- Four students of this University have been appointed as Gender Champions.
- A poster making competition on "Gender Equality" was organized on March 05, 2015 to spread awareness about gender equality amongst students of this University.
- An expert talk on "Women Safety at Work Place" was organized on September 10, 2015. The focus was on the issues related to safety of women at work place.
- A workshop on "Self Defense Techniques" for girl students and female staff was organized on

November 05, 2015. In this workshop, a specially invited trainer imparted practical training on self-defence during emergency incidents.

- In order to provide an environment safe from any kind of sexual abuse, an "Internal Complaint Committee" as per SAKSHAM guidelines has been constituted at University level headed by Prof. Aradhna Jindal (Principal, MM School of Architecture) as Presiding Officer along with four other senior faculty members of the University and one member from Non-Government organization. The complainants can directly approach the presiding officer for the redressal of their grievances at the earliest and depending upon the severity of the case, it may be refereed to police authorities. A woman cell has also been established in the University with Prof. Aradhna Jindal as the Chairman of the cell for sensitizing the women's issues in different ways.

- All girls-students have been kept under female staff in mentor-mentee scheme and their specific problems were addressed and probable solutions were taken

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level | 121 | National level | - | International level | - |

No. of students participated in cultural events

State/ University level | 600 | National level | - | International level | - |

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level | 53 | National level | - | International level | - |

Cultural:

State/ University level | 16 | National level | - | International level | - |

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	209	1805750
Financial support from government	-	-
Financial support from other sources	-	-
Number of students who received International/ National recognitions	01	-

5.11   Student organised / initiatives

Fairs

State/ University level [-]   National level [1]   International level [-]

Exhibition

State/ University level [-]   National level [2]   International level [-]

5.12   No. of social initiatives undertaken by the students

[4]

5.13 Major grievances of students (if any) redressed: _____

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision:

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

Mission:

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

6.2 Does the Institution has a management Information System

- The institute has an Enterprise Resource Planning (EDP) as a Management Information System (MIS).
- The University has cabled as well as Wi-Fi campus wide networking which has 32Mbps speed and all the offices/ departments/cells/centres are well connected through LAN.
- The institution implements MIS through Linkstreet which is a platform for Students-Teacher interaction. All information regarding curriculum, study material, assignments, tests etc. are put on linkstreet for easy access to the students.
- Collection of course material, power-point presentations prepared by the faculty members and other important video lectures are available on local intranet server of the University and on linkstreet for the students as well as teachers.
- Each Academic and Administrative department manages its own established information systems.
- Moreover, the computerized system is implemented for student registration and examination process.

6.3 Quality improvement strategies adopted by the institution for each of the following:

   6.3.1 Curriculum Development

- Frequent BOS meetings/ Academic Council meetings to upgrade/revise scheme and syllabi by consulting Reference Syllabi from different reputed Universities.
- Choice based credit system, Regular BOS / Academic meetings, Value added course, Personality Development Programme.
- Different/various department in University have undertaken revision of existing curricula

keeping in mind advancement in the field of education.

- The revised curricula are further evaluated by distinguished academicians and experts nominated on Board of Studies of University Teaching Departments so as to seek their advice for further improvements in the same. This whole process intends to facilitate the University to make its curricula job oriented and acceptable professionally both in terms of content and intent.

- University organised workshop and expert lecture every semester to provide additional knowledge to students and to clarify their doubts in different areas of study.

- Feedback from various stakeholders such as Students, Parents, Alumni, Industry Experts and Academician from time to time which is used by members of BoS for introducing new fields and modify existing curriculum.

- Regular Discussion/ Meetings with faculty members at department level to review course contents.

- Suggestions from the faculty members after attending Short Term Courses, workshop, seminar etc. are also incorporated, if found appropriate.

- The society TECHNOTRONS organised technical Fest AVALANCHE'17. Various technical events were held this fest and students from IV, VI and VIII semester participated in various these technical events with great zeal and enthusiasm and won different awards.

6.3.2 Teaching and Learning

- An interactive Teacher-Student environment (relationship) is maintained in the classes through latest updated technical know-how inputs and participatory approach to incite interest of students toward subject matter. Regular visits to nearby State University, Research Stations, and Innovative farmers groups are also a part of this initiative.

- Audio Visual methods, Advanced Software, Regular Industrial Visit, In-plant industrial training is an integral part of curriculum. The teaching and learning pedagogies include lecturing, power-point, case studies, scientific movies, documentaries, role-playing, experimentation, group discussion, speech, assignment, presentations and viva-voce. The University has implemented Choice based Credit System. Thus the Teaching-Learning becomes a continuous process for assessment and evaluation of students admitted in different programmes. All this make this University unique in terms of teaching and learning process.

- Lesson plan is prepared for every course and instructions are delivered adhering to the academic plan.

- A detailed course file is prepared for each course which has the details of lecture-plans, assignments, tests, result analysis, course notes, question papers etc.

- Certification courses are running in collaboration with IIT Bombay.

- Well-equipped Software based language labs are available for development of communication skills.
- The University put special emphasis on adopting new teaching methods with sufficient e-learning resources in the form of NPTEL video lectures, DELNET, project based learning etc. ICT enabled classroom learning is also implemented in departments to rope-in advanced web based learning.
- University is embellished with well-equipped laboratories, seminar rooms and class rooms with multi-media facilities of different streams/subjects in all departments such as Computer Labs, Language Lab (with software), Chemistry-Physics Labs, Electronics, Agriculture, Pharmacy Labs etc.
- Emphasis on Project Based Learning so as to ensure active participation of students.
- Through linkstreet software students can easily access data *viz.* notes, ppts and videos during sessional and End Semester Examination.
- Regular activities such as modern method and teaching pedagogy, presentation, submission of assignments, conducting tutorials, seminars and quiz are a part of internal assessment system.

6.3.3   Examination and Evaluation

- Monitoring the performance of the students by means of Internal Exams, End Semester Exams, and Continuous Evaluation system for assessment of students.
- Timely result declaration, within 10-12 days from the last day of the end semester examination
- Student progress report about student performance & attendance result sent to Parents
- Parent – Teacher meetings are also conducted to know the problem areas in students' performance and to ensure remedial measures.
- Three mid-semester exams and an end University examination is conducted every semester and the University Examination branch designs the schedule. Both internal and external valuations are adopted for every subject.
- Under Choice Based Credit Based System there is a mechanism of 60 :40, in which 60% evaluation is done through main major examinations held on semester end and 40% based on continuous evaluation in the form of mid semester test, sessional test, classroom seminars, class room quizzes, home assignments, class attendance, viva-voce, field visit etc.
- Monday sessional system is adopted as an alternative and innovative method in comparison to conventional sessional series so, that students may get one week for preparation of their exams.
- To ensure timely declaration of result and keep academic calendar on schedule, examination cell is automated.
- The culture of latest knowledge acquisition is fostered through wider exposure to library and subscribed E-books and E-journals.

- Continuous updation of teacher competencies is ensured through a policy of support and faculty deputation.

6.3.4   Research and Development
- Sabbatical Leave to Faculty in order to carry out different project related to R&D in their respective subjects.
- Academic Leave to assist & promote faculty in their higher studies.
- Financial Assistance for attending Seminar/Workshops/FDP
- Library Facility with Online and Print Journals and Books
- Internet Facility
- To encourage the faculty member for project from external funding agency.
- Award for publication of paper in SCI journal with impact factor and publishing patents.
- The faculty members are encouraged to have individual research projects, Intra-University, Inter Institutional & Industrial Collaborative research projects funded by different national and international agencies.
- The faculty members are also encouraged to participate in national and international conferences, seminars, symposia, workshop etc. to expose them to latest research developments in their concerned fields and use the same in their teaching and research. The faculty members are given grants too in the form of minor research projects at the University level. Principal investigators enjoy financial autonomy and are allowed 70% of the overhead charges for smooth running of the project.
- Exclusive research and development activities are being carried out in various departments and at the University level. Applications have been submitted for externally funded research projects from various funding agencies that provide financial assistance.
- In-house seed grant is also provided working on innovative research ideas and for preparation of project reports. This has increased the research activity and increased the quality and quantity of research publications.
- Extensive research activities are in progress in the fields of renewable energy, resources water quality, agricultural water management.
- More journals, books and Magazines are added in central and departmental library.

6.3.5   Library, ICT and physical infrastructure / instrumentation

- The E-Learning Centre in the library provides access to the online educational resources
- Classrooms and Seminar Halls are equipped with projectors
- Fully Wi-Fi campus with 24*7 round the clock internet connectivity at 32 mbps (leased line) speed both for staff and students.

- Uninterrupted power supply.
- Additional infrastructure is planned like Multimedia Facility, Lecture Theatre Complex and Library Building for faculty
- The library has a collection of good number of books meeting the requirement of students and faculty. New titles and volumes of text books are added every year continuously, by allocating required budget to procure books and journals.
- Information and Communication Technology has been made an integral part of teaching-learning process by converting some of the conventional class rooms into E-class rooms. These classrooms and seminar halls of University are equipped with LCD projectors (Audio and visual gadgets).
- The Central Library and department libraries are constantly equipped with latest arrivals. The increased hours accessibility to the Central Library with large number of books, journals, magazines, (fortnights, weeklies) and newspapers in different languages ensure full support to research-scholars, students and faculty.
- In order to maintain the instruments used for scientific research, the University has established a University Science Instrumentation Centre (USIC) Level. USIC has been providing services related to:
  - Repair/Maintenance of electrical/ electronic/ mechanical/ analytical instruments/ equipment's.
  - Design/fabrication of the instruments used in departments/ units/ research labs
  - Project work of Research scholars of the University.
- Physical infrastructure/instrumentation as per PCI guidelines available in school of Pharmacy.
- Organized Research Labs for students & Faculty.
- Smart class rooms with ICT Facility
- Seminar Rooms with audio-Visual Aids.

6.3.6   Human Resource Management

- Feed backs is taken periodically so as to maintain/incorporate appropriate work culture.
- The University has a well monitored biometric identification system.
- Sincere, dedicated and committed faculty and visionary management.
- The University has an adequate number of qualified and competent teachers to handle the courses.
- The faculty members have an access to the computer and internet facility in University campus.
- Encouragement and support are provided to faculty members for participating and organizing faculty development programmes (FDP).

- The human resource management policies of this University are in compliance with UGC regulations and State Govt. guidelines. The appointments and promotions are made in transparent manner as per defined and notified criteria. The organizational hierarchy of the University is well defined in which the job profile and job description in each and every office is clear to all stakeholders. The governance and administration of the University is every bit professional and also as per the spirit of the Act and Statutes which results into higher level of satisfaction especially amongst the students, scholars and staff of the University.

- Additional and more qualified faculty have been recruited to improve quality of teaching.

- Guest lectures and invited talks are arranged for both faculty and students to give exposure to new and up-coming technologies.

- Additional technicians have also been recruited to assist faculty dealing with laboratory classes and for maintenance of equipment in the laboratories.

- Almost all faculty members of different department/University were given a chance to participate and present papers in various State, National and International seminars, conferences etc.

- The University has a well defined policy to academically recharge and rejuvenate/refresh teachers, their pedagogy & their knowledge by providing research grants, study leave, nomination to national/international conferences/seminars, in-service training, organizing national/international conferences etc

6.3.7 Faculty and Staff recruitment

- The staff requirement is assessed on basis of the students' strength and as per the workload norms prescribed by the UGC

- There is an established and transparent procedure for the faculty and staff recruitment in the University; the UGC regulations and guidelines for staff recruitment are followed in toto. The requirement of faculty/ staff are invited for concerned quarter and further taken up by the authorities. The recruitment procedure is taken care every bit by Recruitment Board/Selection Committee.

- Recruitment of faculty is done as per University guidelines by paper advertisement (Regional/National Newspaper/s) to ensure a fair selection of deserving candidates by the recruitment committee comprising of University nominee, subject experts, and members of management.

- No application fee is charged from candidates of any sort in lieu of applying for a particular post or appearing for an interview in University.

6.3.8 Industry Interaction / Collaboration

- The University has Centre of Industry-University linkage to promote Consultancy activities with the purpose of solving technical problems of the industry and creating skilled human resource.

- The region has a lot of industries so there are numerous opportunities for collaboration. University is making its best efforts to tie up with them by signing MoUs helping each other.

- The institute has been collaborated with many eminent institutions like IIT Mumbai, Sangam Kala organization, Autodesk, ASCE etc. e.g. to give practical experience and to arouse & satisfy curiosity of our students.

- Regular Industrial visits, In-plant Industrial training for PG students and faculty.

- The university has collaborated with organisations like TSSC and IETE to ensure enhances active participation of various students in different activities organized and get rewarded. In collaboration with TSSC, University introduced two new skill development courses, providing increased placements prospects to students.

- Expert lectures by Resource persons from industry.

- Entrepreneurship awareness programme was organized

- A seminar series is already planned for next year with adjacent industries/industrial associations.

- The detail of industrial visits during 2016-17 are:

  ➢ Industrial visit to Winsome Yarns, Derabassi.
  ➢ Industrial visit to Hansa Pipes, Derabassi.
  ➢ Industrial visit to Indswift Labs Derabassi.

6.3.9 Admission of Students

- The admission to all the UG, PG and Research programmes is through an all India Entrance test. The merit of the candidate in the entrance test is the only factor which is taken into account for admission, thus ensuring full transparency in the admission process.

- University conducts entrance tests for all of its UG, PG, Diploma, Special Courses of Studies and Research Programmes. The entrance test is widely publicized in national dailies and on the University's web-site. The admission process form applying to admission counselling is completely on-line.

- Advertisements regarding admission and entrance test are widely published in leading newspapers, Electronic Media and on University's webpages.

- The sanction intake of students in a particular subject and admission Incharge takes care of admission cell and co-ordinate various activities *viz.* collection of student's data, conducting visits, phone calls and counselling & inductions sessions.

- An orientation programme was conducted for newly admitted students to apprise them regarding rules/regulations/services and facilities of University and School.

6.4 Welfare schemes for faculty/staff of the university

- Workman compensation insurance for all employees
- Group Insurance Policy which covers personal accidents insurance with medical expenses reimbursement.
- Medical treatment of staff/family members of the staff at MM Multispecialty Hospital, Mullana for nominal charges.
- Timely promotion as per regulating bodies norms
- CPF Scheme
- Incentive to staff/faculty for the publication of research papers in reputed international research journals published abroad.
- Financial assistance to faculty for attending the national/ international conferences/ seminars
- Provision of Academic leave/ study leave and other leaves for faculty/staff as per UGC norms
- Personal loan to the staff members
- Group mobile (CUG) scheme at special discounted nominal charges under COCP scheme and same facility under COIP scheme.
- Best Teacher Award for teaching faculty and Best Employee Award for non-teaching staff.
- Leave encashment for teaching as well as non-teaching staff at the time of retirement.

6.5 Total corpus fund generated   3,00,00,00

6.6 Whether annual financial audit has been done   Yes √   No ☐

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Audit Cell of Maharishi Markandeshwar (Deemed University)- Mullana	Yes	IQAC

Administrative	Yes	Audit Cell of Maharishi Markandeshwar (Deemed University)- Mullana	Yes	IQAC

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes   Yes | √ | No | |

For PG Programmes   Yes | √ | No | |

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- The University has implemented Credit Based System for continuous evaluation of the students. In addition, online submission of sessional, Practical awards and external evaluation for Semester End Examination has been introduced.
- Continuous Internal Assessment system is followed by conducting weekly tests, mid-semesters, pre-final, assignments/seminars and viva-voce.
- Webpages of University contains all relevant and necessary information regarding examination and evaluation system as follows:
  - ➢ Complete syllabi along with scheme of examination.
  - ➢ All key elements of evaluation system
  - ➢ Credits
  - ➢ Calculation of Grade Points(CGPA)
  - ➢ Letter grade and promotion rules
  - ➢ Results
- In case of dissatisfaction of any student with his/her result, he/she given right and support to challenge the result or there's also a provision to apply for re-evaluation of his/her answer sheets in concerned subject free of cost.
- The university has introduced very significant reforms in its Ph.D. evaluation process in form of two important Clauses- Clause XIII "Submission of thesis" and the Clause- XIV "Examination"- of Ph.D. ordinances of the University. Some of the important aspects of the evaluation process include: (i) appointment of a panel of examiner including one examiner from abroad; (ii) fixed time-frame for evaluation of thesis; (iii) strict monitoring and adherence to schedule of evaluation; (iv) specific parameters of evaluation; (v) clear procedure of review and resubmission

of evaluation of thesis; and (vi) ensuring un-ambiguity in the recommendations by examiners. A major recent reform to tackle delay in the process of evaluation of Ph.D. thesis has been an Amendment wherein the power to appoint Ph.D. examiners has been delegated to the Deans now.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Not Applicable

6.11 Activities and support from the Alumni Association

- The University has created a separate **Department of Alumni Affairs** which is intended to maintain Alumni database.
- University organizes "Alumni-Meet" regularly to enhance better interaction between University and alumni for strengthening its teaching, research, training and placement activities. The alumni provide vital information regarding upgradation of technology in industry which helps in students placements. Alumni Association gives strong support in the ongoing TQM project of IQAC, campus placements and direct placements of students in addition to financial support for various activities and facilities.
- Department of Alumni Affairs regularly communicate alumni about activities held in department through mails or messages to keep them updated about the University.
- Also recruitment drive information is shared by the department to enable them to grab better career opportunities.
- The university holds alumni meeting every semester in which feedback regarding course and other related information is taken and implemented further.

6.12 Activities and support from the Parent – Teacher Association

- The university has a very strong mentorship program through which the teachers are in constant touch with the parents. Mentors of the respective classes regularly interact with the parents to communicate about their mentee's academic performance, behavioural aspects and participation in activities held in the campus through various channels.
- There is a provision to conduct parent's teacher meeting once in a semester and University Teaching Departments are continuously conducting such meetings in which information regarding their wards are provided apart from telephonic conversation. Other details are also

shared like activities of department, career counselling etc.

6.13 Development programmes for support staff

- The university provides adequate support to faculty in terms of academic leaves, finance etc. for attending seminars/conferences/workshops at national and international level.
- Regular training programmes are conducted for faculty and staff to up-grade their skills in state-of-the-art technology
- Several training programmes like workshops/seminars/conferences are conducted for skill up-gradation of supporting staff of the University from time to time. The training programmes are organized for mid level and senior level supporting staff through University Computer & Information Centre of this University. Training for firefighting has also been provided to staff.
- Workshop on "Communication and Personality Development" for Non-Teaching staff was regularly organised by University from Jun 5-Jun 15, 2017. Non-teaching staff is prompted for completing MOOC courses like learning of Microsoft office and Office management course.
- Adequate training and instructions are given to lab staff on regular basis particularly when ever laboratory curriculum is updated as per requirements.
- In 2017 IQAC in active association with the Academic Staff of the MMGI, one-week training programme on Personality Development was conducted for non-teaching staff by MMU. It was especially dedicated to Personality Development. The programme was very well appreciated by staff.

6.14 Initiatives taken by the institution to make the campus eco-friendly

- Plantations of trees and other plants is carried out in the campus. Establishment of Vermi compost unit has been done to use the waste of hostels. STP plant is in existence for the treatment of all sewage of the institute. Recycled water is used for irrigation purposes.
- Various Plantation programme has been organised. Continuous efforts are being made for paper less work for e.g. EPR attendance system. The University is committed for environmental protection and various steps have been undertaken to make the campus eco-friendly and reduce carbon foot prints. Solar water heating systems are used in hostels.
- CFL & LED lights are used in all the teaching and offices of the departments. Public transport system is promoted within the campus. The University has Sewage Treatment Plan for the treatment of waste water for reuse for its irrigational purpose. A number of trees have been transplanted from site of construction to other location and tree plantation programmes are done in the campus on regular basis. The University has approved introduction of solar power plants for all buildings.

Energy conservation

- The window panes of class rooms facilitate the maximal utilization of natural light.

- The conventional lighting systems (Tubes/bulbs) are replaced with CFL & LED lights in all teaching & offices of department
- Minimizing use of elevator, and encouraging staff and students to use staircases whenever possible –
- Solar energy is used in the students' hostel, kitchen and other areas.

Use of renewable energy

- The University has 500 KW solar power plant.
- Solar energy used in the hostel, kitchen and other areas.

Water harvesting

- The University is well equipped with rain water harvesting facilities
- The University has adequate facilities to collect the rain water for the purpose of gardening.

Efforts for carbon neutrality

- The University made adequate arrangements for the parking of vehicles.
- Emission test certificates are mandatory for the vehicles in the campus.
- Cigarettes and tobacco products are strictly banned within 100 meters of the campus
- Students use college transportation facilities to go to the clinical areas, instead of using individual transportation.

Plantation

- The University organizes periodical plantation drives to inculcate the values of plantation among the students and the faculties.

E waste management

- The University has a very big campus which is not only green but also have wide varieties of trees and plants. The University regularly conducts plantation drive to add to the existing bio-diversity by planting more trees. Every new building has the provision for rain-water harvesting. Students and staff are sensitized to save water and electricity. The use of plastics and plastic products is discouraged in campus.
- Seminars are arranged by experts for the proper waste disposal.
- Apart from this the university is in the process of creating a full-fledged operational "Vermin-Composting Plant", "Paper Recycling Plant" and STP
- Earth Day was celebrated in the campus on 21 April 2017
- Use of Automated software like Biometric Attendance to reduce usage of paper.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning

of the institution. Give details.

- Informing the parents through SMS sent by software, in case of absence of a student from any lecture so as to reduce irresponsible attitude of students towards classes & studies due to attendance shortage.

- Issuing complete set of the books to the top three students of each class for full semester. This practice will encourage the other students to improve their performance in academics and show their competency.

- ICT based teaching, Mentoring system, Linkstreet online portal. All the academic programmes offered by the University are technical and job oriented. The courses have been specified and approved by the State Govt. and regulatory bodies including UGC, AICTE, Pharmacy Council, ICAR, COA etc.

- The University has implemented online admission process w.e.f. June 2015 in all courses. Also the university has introduced B.Sc. (Hons) Agriculture course.

- Continuous Evaluation System

- Blended learning through Linkstreet

- Application Based & multi-disciplinary Projects

- Professional Skill Enhancement Programme

- Training programmes for faculty as well as students were organized from time to time:-
  - Workshop on Computer Aided Design & Drawing
  - Workshop on Geographical Information Systems & Remote Sensing
  - Workshop on Soft Skills development Program
  - Workshop on Learning through Teaching (LTT)
  - Survey Camp
  - Workshop on Industry Oriented Hands-on-Training

- Implementation of Academic calendar communicated prior to commencement of classes

- The University has introduced various innovations showing positive impacts on the functioning of the college/university

- Newspapers like Economic Times and Business Standard are subscribed in bulk for all the interested students at nominal charges. These facilities provided to students increase their knowledge about the Country's, Policy & Economy and secure a good job in "Indian Banking Sector" seeing a boom in this sectorial job.

- Integrated Software for Online assignments and attendance

- University is committed to provide the best facilities to its faculty and students with lots of commendable steps like access to Scopus, the World's largest research database. Wi-fi facility in hostel area. Arrangements for mass participation in games and sports and has created health and

fitness awareness among students. Number of student participation has increased every year. MMU regularly organizes and celebrate national and all religious festivals with new themes every year, to inculcate moral and spiritual values in students from a long term perspective such as Shahidi Diwas, Ganesh Chaturthi, Durgashtami, Id-Ul-Fitter, Gandhi Jayanti, Gurunanak Jayanti, Christmas, Basant Panchami, Akshya Tritya etc. The 500KW solar power plant working efficiently to cut down the university's power cost annually.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- University is committed to provide all best possible facilities for students and conducting special teaching programmes/ classes and arranging/ making all arrangements to participate and get placed at highest package with highly reputed and eminent recruitment firms/corporate sector.

- Monthly performance review meetings are conducted every month in University by authorities to have a review of University's progress in different sections from all faculty members and staff. Such meeting helps to know about need for reform/requirements in university.

- Timely and adequate Information to faculty members regarding FDPs / Workshops / Conferences/Call for Papers etc. to encourage Research & Development

- The University has succeeded in many spheres during the academic year. Internal Quality Assurance Cell of the University has been re-constituted to make it more effective to achieve the goal of imparting quality education to the students to make the University a pioneer Institute in the field of Science & Technology. The Academic Audit of all of teaching department for the session 2016-17 has been conducted and the reports have been submitted to the IQAC Cell. The renovation and up-gradation of Academic, Administrative blocks, & Class rooms with appropriate furniture and Teaching aids as per recommendations of NAAC Peer Team has been implemented. Also, the sports facilities has been developed. Yuvraj Singh Cricket academy has been established. The University launched Online Admission process for Admission to all under-graduate, post graduate and Ph.D Courses w.e.f June 2016 In order to check plagiarism the University has subscribed software "TURNITIN" for plagiarism check. Before submission of Ph.D thesis the draft of the thesis is checked through this software to prevent plagiarism. **Maternity Leave to Girl Students**:- Since girl students in the region married at an early age, the University has made a provision for 45 days maternity leave for such married girl students so that they can continue and complete their education.

- The progress on the objectives set for that year has been reviewed periodically and ensures its Compliance.

- Action is initiated at all levels to save time and to get all necessary clearances and to make it fulfilled.

- National Pharmacy Week was planned as a part of Sadopur Pharmaceutical Society for three

days including extracurricular activities like-cultural, sports, rangoli, slogan and quiz competition.

- An extension lecture was organized by Sadopur Pharmaceutical Society with esteemed presence of Professor Dr. Poonam Piplani from University Institute of Pharmaceutical Sciences, Panjab University, Chandigarh. She shared her thoughts, ideas and knowledge with students and staff members on the topic "General Safety and Good Laboratory Practices".

- A one day industrial visit was organized for B .Pharmacy-2nd semester students on 14th February 2017 to an esteemed company of India i.e. Torque Pharmaceuticals Private Ltd. The motive of organizing this tour was to expose students to the standard operating procedures and working culture of pharmaceutical manufacturing unit.

7.3 Give two Best Practices of the institution *(please see the format in the NAAC Self-study Manuals)*

- To contribute towards **"Beti Bachao-Beti Padhao"** campaign of the Hon'ble Prime Minister of India and also towards Women Empowerment, the University has created women cell. **Also the** University has made a provision for 45 days **MATERNITY LEAVE TO MARRIED GIRL STUDENTS,** so that they can continue and complete their education.

- Academic audits are conducted in University regularly and periodically to keep a check on 'quality of studies and teaching' in University and to get notice of any shortcoming. So as timely correct measures may be ensured to remove those hurdles and improve quality of academics in University campus.

- Mentoring System

7.4 Contribution to environmental awareness / protection
- In various Tree plantation campaigns, various trees of diverse field economic importance- ornamental, horticultural trees and medicinal need based trees are planted in the campus with a focus to maintain lush green campus, to create a feeling of 'love for nature and plants' among our youth and spread 'awareness towards environment and its protection'. University's agriculture departments plays a vital role in all this.

- University authorities took immense care to protect our environment and being eco-friendly. Establishment of STP, implementation of solar system, conducting various tree plantation drives and formation of herbal gardens are some steps or commendable measures towards 'Protect the Environment Campaign'.

- Earth day was celebrated in MM University, Sadopur on April 21, 2017 in ECE department. A large number of students participated with great zeal and enthusiasm in an event- 'Collage-making with leaves, herbs and markers' to spread awareness among youth about importance of 'green cover' and need of a afforestation and their protection on earth in todays polluted environment.

- A seminar on "Energy Conservation in Domestic and Transportation Sector" was organised in University campus on February 14, 2017 with an objective to encourage students for conserving energy in transport and domestic sector by maximizing the use of renewable sources of energy.
- A planter competition was also organised by Agriculture department in University campus to create awareness regarding 'recycling of waste products' and green cover' in life - a commendable step towards environment protection.
- Some other commendable steps showing our consciousness towards environment protection:-
  - Establishment of Herbal Garden
  - Fuming hoods provided in Chemistry labs
  - Introduction and teaching of 'Environment Science' subject to all students in semester I or II as per UGC guidelines.
- University has a separate Environmental Policy document which highlights key points of University's commitment towards environment protection and spreading awareness and consciousness regarding same through organizing different campaigns, plantation drives, awareness programmes workshops and seminars etc.

7.5 Whether environmental audit was conducted?   Yes √   No ☐

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)
Strengths:

- State-of-art infrastructure.
- Qualified faculty as per UGC Norms
- Administrative procedure compliance
- Ethical approach
- Academic discipline
- Students Chapter of IE(I)
- Excellent Infrastructure
- Adequate computing facilities available in laboratories.
- Credit based evaluation system
- Continuous updation of Syllabus
- A long list of highly placed, widely recognized and responsive alumni.
- The University promotes rootedness in traditional values in tandem with ideological advancement.
- More autonomy in admission procedure to attract international students
- A convenient class schedule, research climate, focus on writing research and review articles, well

equipped labs, motivation towards co-curricular activities for their overall development, healthy student teacher relationship, counselling through mentor-mentee meetings.

- MMU, Sadopur is first state university in northern region
- Spacious and eco-friendly campus located in the vicinity of the city offers easy and concessional transportation access to the students coming from far off places.
- Reservation policy in terms of seats allotment in each stream is strictly followed as per UGC rules and norms.
- Research & Development (R&D), counselling and placement cell actively helping the students in placements.
- Industrious administrative staff.
- Spacious library
- Existence of various effective and efficient mandatory & voluntary organizations/ cells for moral and social orientation of our students' learning.
- Good academic ambience.
- Availability of meritorious and enthusiastic students.

Weaknesses:
- Lack of Industry-Academia interface
- Departmental journals yet to be published.
- Industry – University linkage needs to be strengthened.
- Limited facility to the faculty for research & Development
- Updating of Library facilities needed.
- Adequate number of PhD's, Senior Faculty at Associate Professor level are required.
- Lack of industry/service sector -institutional partnership.

Opportunities:
- More integration with local industry
- Collaboration with foreign universities
- Opportunity to enhance Corporate Culture
- Creating world class facilities for research
- To organize workshop and conferences of International level.
- Provision for faculty to upgrade their qualification/research skills through financial assistance.
- To promote Interdisciplinary collaboration.
- Flexibility for choosing electives.
- Ample scope of Improving Employability & Professional skills of students.
- Increased learning inputs for the students.

- Implementation of academic & non-academic reforms.
- Improving interaction with industry.
- Enhancement of research & consultancy activities.
- Strengthening of existing UG and PG Programs & initiating new PG programs.
- Scope for enriching co-scholastic activities like debate, quiz, declamation, panel discussion and monitored coaching to improve communication skills etc. was to enhance confidence and help the students to improve their soft skills.

Threats:

- To deal with diversified mix of students
- To keep students updated with the latest technology so as to meet the challenge of declining employment opportunities.
- Mushrooming of more number of private colleges and Universities
- Downfall in employment causes negative drift in admission
- Lack of innovations in content based curricula has resulted in inertia in both the teacher and the taught.
-

8. **Plans of institution for next year**
   - To strengthen the Industry-Academia interface
   - Ensuring maximum participation of the faculty in Research-oriented activities
   - Introduction of new specializations
   - To conduct MDPs/EDPs in collaboration with domain experts
   - Planning to establish SOIL TESTING LABORATORY in the Agriculture department so that the farmers from the nearby areas may be benefitted. Also planning to establish a high level Research and Development (R&D) facility.
   - Also planning to establish demonstration plots in the fields.
   - Up-gradation of laboratories. Focus to procure some sophisticated instruments.
   - Focus on submission of Projects to external funding agencies like DRDO, ISRO, DST etc
   - Establishing a Centralized Incubation Centre for applied research, technology development and entrepreneurship.
   - Enrollment of students in live projects by external funding agencies.
   - To ensure more participation from students/staff in research activities.
   - Introduction of New Integrated courses
   - To increasing International Linkages and tieups for exchange of Faculty and Students.
   - To enhance the scope of Consultancy and MDPs.
   - To strengthen existing linkages with National Professional bodies, viz., ISTE, ISTD, NHRD,

NEN, AIMS, etc.

- To aspire to get our students placed at highest starting packages in placements.
- Focus on Faculty and Staff Development.
- Quality improvements wherever possible in Administration, Examinations and other Processes.
- Various activities have been planned for the session (2017-2018) viz. Quiz competition, Group discussion, Essay writing, Teachers day, Fresher's, Alzheimer's day, Pharmacist day, Anti obesity day, World Arthritis day, Osteoporosis day, Educational tour to IISER Mohali and National Pharmacy Week.
- Construction/Establishment of two laboratories.
- Construction/Establishment of a new library, well-equipped with all modern facilities and technologies.

_____
Name

_____
Signature of the Principal

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Annexure I

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission