

MAHARISHI MARKANDESHWAR UNIVERSITY

(Established under Haryana Govt. Act No. 29 of 2010 and
Approved by the UGC under Section 22 of the UGC Act, 1956)

SADOPUR-AMBALA, 134007 (HARYANA)



**NAAC's 50 POINTS
ASSESSMENT INDICATORS
for
UNIVERSITY ACCREDITATION**

Date: 28th February, 2016

Submitted

to

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
P.O. Box No. 1075, Nagarbhavi, Bangalore-560072**

MAHARISHI MARKANDESHWAR UNIVERSITY SADOPUR-AMBALA

(Established under Haryana Govt. Act No. 29 of 2010 and Approved by the UGC under Section 22 of the UGC Act, 1956)

S. No.	A. Core Indicators
1	<p>Percentage of courses where major syllabus restructuring was carried out during last 4 years?</p> <p>Even though the University was established in 2010 with introduction of newly designed syllabi of all the courses, yet 41% of the syllabi of the courses have also been restructured in the last four years.</p>
2	<p>Temporal Plan in more than 50% of programmes (CBCS/Semester/Annual)</p> <p>Credit Based Semester System is followed for all the programmes of the University. Further as per latest guidelines of the UGC, Choice Based Credit System has also been implemented for the programme of B.Com. w.e.f. the session 2015-16 and will also be adopted for other programmes of the University when templates of the same would be uploaded by the UGC on its website.</p>
3	<p>Percentage of teachers with Ph.D. qualification General Courses and Professional courses (For ex. MD/ DM for medicine and ME/MS for engineering)</p> <ul style="list-style-type: none">• Percentage of teachers with Ph.D. qualification for General Courses (M.Sc. and B. Com) = 62.5%.• Percentage of teachers for Professional Courses (other than B. Arch) who possess the minimum qualification of Master's degree in the relevant subject = 96.3%.• For Architecture programme, the minimum qualification norms for

	teaching as per Council of Architecture is B. Arch and all faculty members in the department fulfill this norm. However, 42% of the faculty members in the MM School of Architecture possess Master's Degree.
4	Student computer ratio
	The student-computer ratio in the University is 1.59:1 .
5	The number of departments with UGC/SAP/CAS/DST/FIST etc., in University
	Six (06) departments of the University namely Mechanical Engineering, Civil Engineering, Electronics & Communication Engineering, Computer Science & Engineering, Management Studies and Department of Applied Sciences & Humanities have submitted proposals for sanction of Research Projects by the various funding agencies like DST, Aeronautics Research and Development, etc.
6	Number of Post Doctoral Fellows/ Research Associates working a) Locals b) outsiders
	One Research Associate is working in the University to carry out research in the field of Wireless Network.
7	Number of ongoing research projects/per teacher
	<ul style="list-style-type: none"> • Project leading to the award of Ph.D. degree: 16 • Faculty pursuing Ph.D. from other Universities: 20 • Number of Projects applied: 08 • Number of Projects funded by University: 07 • Number of Ph.D. students of other Universities guided by the University Faculty: 11

	<ul style="list-style-type: none"> On an average of 62/113 Research Projects per faculty are under progress. 				
8	Number of completed research projects/per teacher (Funded by National/International Agencies)				
	Two research projects out of nine funded by the parent University have been completed.				
9	Coordinated/Collaborative projects (National and International)				
	<ul style="list-style-type: none"> Faculty members of the University have published 71 National/International research papers in collaboration with various reputed organizations like IIT Delhi; IIT Roorkee; NIT Kurukshetra; CSIO-CSIR, Chandigarh; UIET-Panjab University, Chandigarh; Thapar University; Punjabi University, Patiala; Punjab Technical University-Jalandhar; Baddi University of Emerging Sciences and Technologies-Himachal Pradesh; RIMT-IET, Mandi Gobindgarh-Punjab; GNIT Group of Institutions-Noida; SKUAST-Jammu; Punjab Institute of Technology-Hoshiarpur; City College-Banguluru; Chandigarh University-Chandigarh; C-DAC-Mohali, Punjab; Manav Rachna University-Faridabad; Lovely Professional University-Punjab, etc. One proposal of Research Project has been submitted by the Civil Engineering Department to the Science and Engineering Research Board, New Delhi in collaboration with the Civil Engineering Department of Thapar University, Patiala. 				
10	National recognitions for faculty for Teaching/ Research/ Consultancy/Extension (Reputed/ recognized bodies)				
	S.No	Name of Faculty Member	Name and Date of Programme	Name of the Distinction Awarding	Nature of Distinction Conferred.

			Agency	
1.	Dr. Manpreet Singh	Engineer's Day Celebration in Collaboration with The Institution of Engineers (15 th September, 2015)	The Institution of Engineers (India)	Eminent Personality in Engineering
2.	Dr. Manpreet Singh	2 nd World Summit on Accreditation (8 th -10 th March, 2014)	National Board of Accreditation	Certificate of Participation
3.	Dr. Manpreet Singh	4 th International Conference on Emerging Trends in Engineering & Technology (25 th -27 th October, 2013)	Geeta Institute of Management & Technology, Kurukshetra, Haryana. Co-sponsored by ACEEE	Certificate of Appreciation for Chairing a Technical Session.
4.	Dr. Manpreet Singh	International Conference on Advanced Information Communication Technologies in Engineering (ICAICTE –2K13), (22 th -23 th November, 2013)	The Technological Institute of Textiles & Sciences, Bhiwani, Haryana Co- sponsored by AICTE & CSI	Certificate of Appreciation for Chairing a Technical Session
5.	Dr. Manpreet Singh	2011	IACSIT (International Association of Computer Science	Member

				and Information Technology)	
6.	Dr. Manpreet Singh	2015		SDIWC (Society of Digital Information and Wireless Communications)	Member
7.	Dr. Manpreet Singh	2015		Institution of Engineers, India	Member
8.	Dr. Manpreet Singh	2015		Institute of Electrical and Electronics Engineers (IEEE)	Member
9.	Dr. Manpreet Singh	2011		IAENG (International Association of Engineers)	Member
10.	Prof. Aradhana Jindal	Art, Architecture and Aesthetics (21 st February 2015)		(A3 Foundation) for Architectural Journalism	Architectural Journalism Merit Award
11.	Prof. Aradhana Jindal	Since 2015		Indian Building Congress	Life Member
12.	Prof. Aradhana Jindal	Since 2013		Solar Energy Society of India	Life Member
13.	Prof. Aradhana Jindal	1992		Haryana Urban Development Authority	Registered Architect

	14.	Prof. Aradhana Jindal	2011	Indian National Trust for Art and Cultural Heritage	Associate Member
	15.	Dr. Manoj Kumar	2014	Bulgarian Chemical Communication, Bulgaria	Reviewer
	16.	Dr. Manoj Kumar	2014	Journal of Biological and Chemical Sciences	Editor
	17.	Dr. Ravinder Khanna	1994	Institution of Electronics & Telecommunication Engineer (IETE), New Delhi	Fellow
	18.	Dr. Ravinder Khanna	Since 1994	Institution of Engineers (India), Calcutta	Life member
	19.	Dr. Ravinder Khanna	Since 1998	Aeronautical Society of India, New Delhi	Life member
	20.	Dr. Ravinder Khanna	Since 1997	Indian Society for Technical Education (ISTE), New Delhi	Life member
	21.	Dr. Sonika Chaudhary	Since 2010	All India Management Association	Life Member
	22.	Dr. Sonika	1 st August, 2011	All India Management	Accredited Manageme

		Chaudhary		Association	nt Teacher
23.	Dr. Sonika Chaudhary	Since 2013		Chandigarh Management Association	Life Member
24.	Dr. Sonika Chaudhary	Since 2015		Punjab Commerce and Management Association	Life Member
25.	Mr. Raman Gupta	Since 2015		Indian Society for Technical Education (ISTE)	Life Member
26.	Mr. Raman Gupta	2015		Institute of Engineers (India)	Associate Member
27.	Dr. Bikram Jit Singh	Small Enterprises Association of Australia & New Zealand SEAANZ-2013 11 th -12 th July 2013		DST-New Delhi	Young Scientist Award
28.	Dr. Praveen Ailawalia	2009		MECCANICA, Italy	Reviewer
29.	Dr. Praveen Ailawalia	2010		Mechanics of Advanced Materials and Structures, USA	Reviewer
30.	Dr. Praveen Ailawalia	2015		Mechanics Based Design of Structures and Machines, UK	Reviewer

	31.	Dr. Praveen Ailawalia	2014	Canadian Journal of Physics	Reviewer
	32.	Dr. Praveen Ailawalia	National Conference on Innovative Trends in Mathematical Sciences (30 th March, 2015)	MM University, Mullana	Session Chair
	33.	Dr. Praveen Ailawalia	Since 2005	Indian Society for Technical Education (ISTE), New Delhi	Life Member
	34.	Dr. Praveen Ailawalia	Since 2011	Punjab Science Academy	Life Member
	35.	Dr. Praveen Ailawalia	2010	SIG Reflections	Editorial Member
	36.	Dr. Suresh Kumar	Since 2011	Materials Research Society of India	Life Member
	37.	Dr. Suresh Kumar	2012	Optical Society of India	Regular Fellow
	38.	Dr. Pankaj Sharma	Since 2012	Himachal Science Congress Association	Life Member
	39.	Dr. Pankaj Sharma	2014	Natural Product Research	Reviewer
	40.	Er. Balwinder Lallotra	Since 2015	Institute of Engineers, India	Life Member

	41.	Er. Parveen Bajaj	Since 2010	Indian Society for Technical Education (ISTE), New Delhi	Life member
	42.	Er. Parveen Bajaj	2014	Institution of Electronics & Telecommunication Engineers (IETE), New Delhi	IETE Students' Forum- Co-ordinator
	43.	Er. Parveen Bajaj	47 th Mid-Term Symposium on Modern Information & Communication Technologies for Digital India (9 th -10 th April 2016)	Institution of Electronics & Telecommunication Engineers (IETE), New Delhi & Chandigarh	Member of Research Publication Committee
	44.	Er. Parveen Bajaj	International Conference on Computing for Sustainable Global Development- INDIACOM-2016, sponsored by IEEE 2015	Bharati Vidyapeeth, New Delhi.	Reviewer
	45.	Er. Parveen Bajaj	2 nd International Conference on Information and Communication Technology for Competitive Strategies (ICTCS-2016), ACM	Rajasthan, India	Reviewer

			Udaipur Chapter, 2015		
46.	Mr. Amit Goyal	2015		Institute of Electrical and Electronics Engineers (IEEE)	Member
47.	Dr. Deepali Gupta	2015		Associate Editor- MMU Journal of Management & Technology	National
48.	Er. Jitender Grover	4 th IEEE International Conference on Reliability, Infocom Technologies and Optimization (2 th -4 th September, 2015)		Amity University, Noida	Best Paper Award
49.	Er. Jitender Grover	2015		Elsevier Editorial System (EES) - Simulation Modelling Practice and Theory	Reviewer
50.	Er. Jitender Grover	Since 2015		Computer Society of India (CSI)	Life Member
51.	Er. Jitender Grover	2014		Institute of Electrical and Electronics Engineers (IEEE)	Member
52.	Er. Jitender Grover	2014		Association for Computing Machinery	Member

				(ACM)	
53.	Er. Varunika Arya	2015		McGraw Hill Education India	Reviewer
54.	Er. Varunika Arya	2015		EURASIP Journal on Image and Video Processing, (Springer Open Journal)	Reviewer
55.	Er. Varunika Arya	2015		International Journal of Electronics and Communication Technology	Reviewer
56.	Er. Varunika Arya	2015		The Research Journal (International Institute of Organized Research)	Reviewer
57.	Er. Deepak Dhadwal	National Conference on "ETCSIT-2015" RIET 2015		Faridabad	Best Paper Award
58.	Ms. Cheshta Kashyap	"International Conference on Research and Sustainable Business" 2014		IIT Roorkee	Best Paper Award
59.	Mr. Parmod Kumar	International Conference on Newest Drift in Mechanical		MM University, Mullana	Best Paper Award

			Engineering ICNDME-2014 December 2014			
11	Number of Patents (last 5 years)					
	Two Patents have been published by the faculty of the University.					
	Sr. No	Name of the teacher	Title of Patent and Number	Date on which the Patent was filled	Date of publication of patent in official journal of patent office of India	Status
	1	Dr Manoj Kumar	A hydrazone Schiff base ligand and method thereof. 2416/DEL/2013	14-08-2013	20-09-2013	Published
	2	Dr Manoj Kumar	A detergent powder and method thereof 1177/DEL/2014	01-05-2014	06-06-2014	Published
12	Output of M. Phil & Ph.D. per faculty					
	<ul style="list-style-type: none"> • Number of Ph.D. Guided: 07 • Number of M.Phil. Awarded: 15 • Number of M. Tech. Awarded: 43 					
13	Revenue generated from consultancy per year					
	The revenue generated from consultancy during financial years 2015-16 and 2014-15 is Rs. 19,06,500 and Rs. 3,00,000 respectively.					

14	Number of MoUs with International recognized bodies.	
	<p>The University has collaboration with the following for various activities of the University:</p> <ul style="list-style-type: none"> • Indian Institute of Technology, Bombay • Tata Consultancy Services • Institution of Electronics & Telecommunication Engineers • Institution of Engineers, India • Indian Green Building Council • KPIT Technologies Ltd. • Videocon • Yuvraj Singh Centre of Excellence 	
15(a)	<p>- Publications per faculty</p> <p>- Total number of publications of the University:</p>	
	<p>Total number of publications of Faculty (Comprehensive)</p>	<p>Total number of publications of Faculty (After Joining this University)</p>
	<p>Number of papers: 644</p>	<p>Number of papers: 209 (Journal and Conferences)</p>
	<p>Others (including books): 11</p>	<p>Others (including books):09</p>
	<p>Number of Faculty: 113</p>	<p>Number of Faculty: 113</p>
15(b)	<p>Percentage of papers published in journals listed in well known international databases</p>	
	<p>The percentage of Research Papers published in reputed international</p>	

	database is 84.7% of the total Research papers published by the faculty of the University in Research journals.			
16	Average impact factor of publications			
	The average impact factor of SCI publications is 1.213 .			
17	Number of papers with more than 10 citations			
	Currently there are 27 research papers of the faculty with more than 10 citations.			
18	Number of book titles per student (in the central library) excluding book bank			
	3196/725 ~ 4.4			
19	Percentage of annual allocation for library spent on purchase of journals (national & international) and other library resources (CDs, Cassettes, etc.)			
	Total budget allocation of the financial year 2015-16 for the University Library is Rs. 28.00 Lacs out of which an estimated of 35.71% of the total allocation has been allocated on purchase of journals and other library resources.			
20	Number of national/international conferences /workshops organised per department per year and names of experts participated.			
	On an average, one national/international conferences/workshops/seminars per Department per year has been organized by the Departments of the University and the details are mentioned as below:			
	S.No	Department/ School	Name of Conference	Workshop/ Date

1.	Mechanical Engineering	Workshop -Pro-E / Solid Works and its Applications	8 th - 9 th Feb, 2016
2.	Management Studies	Workshop -Role of effective Communication in Career Building	5 th Feb, 2016
3.	Computer Science & Engineering	Workshop - Python	2 nd Feb, 2016
4.	Computer Science & Engineering	Workshop - Free Heartfulness Meditation	28 th Jan, 2016
5.	Management Studies	Workshop -Research Methodology	27 th Jan, 2016
6.	Computer Science & Engineering	Workshop - Big data and Data Analytics	19 th Jan, 2016
7.	Management Studies	Workshop -Investment Awareness	7 th Jan, 2016
8.	Electronics & Communication Engineering	Workshop -MATLAB & its Application in Signal Processing and Control Systems	5 th Jan, 2016
9.	Mechanical Engineering	Workshop -Modern Materials and Machining Processes	31 st Dec, 2015
10.	MM School of Architecture	Workshop -Self Defense	5 th Nov, 2015
11.	Engineering & Management Studies	ICT Based FDP - Sustainable Development: Challenges and Opportunities	12 th -16 th Oct, 2015
12.	Management Studies	Workshop -Financial Planning for Young Investors	12 th October, 2015

13.	Electronics & Communication Engineering	Workshop -Proteus Software for Electronics Simulation	17 th Sep, 2015
14.	Management Studies	Workshop - Fundamentals of MS Office & Internet Applications	11 th Sep, 2015
15.	Computer Science & Engineering	Workshop -Cloud Computing Using Bluemix	28 th Aug, 2015
16.	MM School of Architecture	FDP on Recent Advances in Architecture and Construction	15 th – 19 th Jun, 2015
17.	Management Studies	Workshop -Modern Techniques for Social Science Research	15 th May, 2015
18.	Mechanical Engineering	Workshop -Optimization Techniques	12 th May 2015
19.	Electronics & Communication Engineering	Workshop -Simulation on Vissim Software	11 th May, 2015
20.	Computer Science & Engineering	Workshop -Semantic Analysis of Big Data using Python	22 nd Apr, 2015
21.	MM School of Architecture	National Conference on Re-Discovering Cities-2015	10 th -11 th Apr, 2015
22.	Engineering & Management Studies	National Conference on Advances in Engineering, Technology and Management (AETM-2015)	4 th Apr, 2015
23.	Computer Science & Engineering	Workshop -Ethical Hacking	12 th -13 th Feb, 2015

24.	MM School of Architecture	Workshop- Calligraphy	20 th Jan. 2015
25.	Management Studies	Workshop - IRDA (IC-33)	20 th -21 st Nov, 2014
26.	Civil Engineering	Workshop -Software Skills (on SAP-2000 & ETABS)	10 th Sep, 2014
27.	Electronics & Communication Engineering	Workshop -PCB Designing using EAGLE CAD Software	2 nd -3 rd Sept, 2014
28.	Mechanical Engineering	Workshop -Production Planning and Control	11 th June, 2014
29.	Engineering & Management Studies	National Conference on Advances In Engineering and Technology (AET-2014)	29 th Mar 2014
30.	MM School of Architecture	National Seminar - Sustainable Architecture	25 th March 2014
31.	Computer Science & Engineering	Workshop -Network Security	21 st Mar, 2014
32.	Computer Science & Engineering	Workshop -Applications of Quantitative Techniques	20 th Feb, 2014
33.	Mechanical Engineering	Workshop -Teaching Pedagogy	20 th Nov, 2013
34.	Management Studies	Workshop - Current Trends in Intellectual Property Rights	9 th Oct, 2013
35.	Electronics & Communication Engineering	Workshop - Robotics & Matlab (Robogalaxy)	7 th -8 th Oct, 2013

36.	MM School of Architecture	Workshop -Art in Architecture- II	26-28 th Sep, 13
37.	Electronics & Communication Engineering	Workshop - Robotics	1 st -2 nd Mar, 2013
38.	Computer Science & Engineering	Workshop -Cyber Crime Awareness	27 th Feb, 2013
39.	Management Studies	Workshop -Rural Marketing-Prospects and Challenges	25 th Feb, 2013
40.	MM School of Architecture	Workshop -Art In Architecture-I	2 nd May'12
41.	Electronics & Communication Engineering	Workshop -MATLAB & Its Applications in Engineering	20 th -21 st Apr, 2012
42.	Computer Science & Engineering	Workshop -Web Development Using CMS	24 th – 25 th Feb, 2012
Some of the renowned experts who have participated in the conferences/workshops are enlisted below:			
Sr. No.	Names of External Experts		
1.	Dr. Gurvinder Shergill, Massey University, Auckland		
2.	Dr. S.K. Angra, Chairman IETE, Chandigarh Centre and Ex. Associate Director, CSIR-CSIO, Chandigarh.		
3.	Dr. Amod Kumar, Director, CSIO, Chandigarh.		
4.	Dr. Neelesh Kumar, Sr. Scientist, Central Scientific Instrument Organisation, Chandigarh		
5.	Dr. Buta Singh Sidhu, Dean Academics, PTU Jalandhar		

6.	Prof. Garima Saini, National Institute of Technical Teachers Training and Research, Chandigarh
7.	Mr. Ranjit Singh, Manager, UV Soft Technologies Pvt. Ltd. in association with AAYAM, Indian Institute of Technology, Varanasi
8.	Dr. S. S. Patnaik, Head, Electronics & TV Dept., National Institute of Technical Teachers Training and Research, Chandigarh
9.	Mr. Rahul Jain, Manager, Technical, Robosapians Technologies Pvt. Ltd. Noida in association with IIT, Delhi
10.	Mr. Pardeep Nagpal, Chief General Manager, BSNL Haryana Circle
11.	Mr. Kuljeet Sandhu, Manager, IQBri Telecom. Pvt. Ltd, Chandigarh
12.	Dr. H.K. Sardana, Scientist, CSIO, Chandigarh
13.	Dr. Shyam S. Pattnaika, Professor and Head of Educational Television Centre-National Institute of Technical Teachers Training and Research, Chandigarh
14.	Prof. Manoj Sharma, UIET, Chandigarh
15.	Mr. Sajjad Hussain and Mr. Shubham, Texplora Laboratories, Chandigarh
16.	Mr. Mani Madhukar, Member of IBM Eco-System Development Team, IBM India Pvt. Ltd.
17.	Mr. N.K. Dhamija, CEO, Texplora Laboratories, Chandigarh
18.	Mr. Hitansh Kataria, Director, Creative Tabs, Bangalore
19.	Mr. Gaurav Mangal, Project Manager, Netmax Technologies, Chandigarh
20.	Dr. Kanwaljeet Singh, Director, University Computer Centre Punjabi University, Patiala

21.	Dr. Vijay Katiyar, Professor of Computer Engineering & Dean Academic Affair, MMU Mullana
22.	Mr. Yogesh, Soneil Tech Solutions, Chandigarh
23.	Mr. Ravdeep Sodhi, eCore Technosolutions Pvt limited, Chandigarh
24.	Dr. Manjri Tejpal, Professor, RIMT-IMCT, Mandi Gobindgarh, Punjab
25.	Dr. K.S. Guman, Campus Director, Satyug Darshan Technical Campus, Faridabad (Haryana)
26.	Mr. Mukesh, iSec Systems, Delhi
27.	Prof. Upain Bhatia, Head of Civil Engineering Department MMU, Mullana
28.	Mr. Dharmesh Gera, Nahar Industries, Lalru
29.	Dr. Amit Mittal, Dean Research, Chitkara Univesity, Banur, Punjab
30.	Ms. Prachi Kapil, Shoolini University, Solan
31.	Mr. Devendra Singh, SEBI, Chandigarh
32.	Ms. Monika Aggarwal, Director Skill Sigma, Chandigarh
33.	Dr. D. Khanduja, Professor, NIT, Kurukshetra
34.	Dr. P.C. Tiwari, Professor, NIT, Kurukshetra
35.	Ar. Surinder Bahga, Principal Architect in Saakaar Foundation, Chandigarh
36.	Prof. Mauricio, Professor, University of Venezuela, Venezuela
37.	Ar. Anil Thakur, Professor, University of Melbourne, Melbourne (Australia)
38.	Ar. Himanshu Pareikh, Professor at the School of Planning, CEPT

	University, Ahmedabad										
39.	Ar. Jeet Kr. Gupta, Member of IIA Chd, Panjab Chapter, Town Planner Chandigarh.										
40	Ar. S S Bhatti, Former Principal, Chandigarh College of Architecture, Chandigarh										
41.	Prof. Sangeeta Bagga, Professor Chandigarh College of Architecture, Chandigarh										
42.	Artist Anand Shinde, Govt. College of Arts, Chandigarh										
43.	Ar. Sanjay Goel, Principal Architect in DESIGNEX Architects, Ludhiana, Punjab										
44.	Ar. Namita Singh, Principal Architect in Satnam Namita Associates, Chandigarh										
21	<p>Student performance in national/international level examinations (eg: ET/SLET/GATE/GMAT/CAT, GRE/TOFEL, Civil Services)</p> <p>Students performance in national/international level examinations is:</p> <table border="1"> <thead> <tr> <th>Name of Examination</th> <th>Number of Students</th> </tr> </thead> <tbody> <tr> <td>UGC NET</td> <td>01</td> </tr> <tr> <td>GATE</td> <td>04</td> </tr> <tr> <td>XAT</td> <td>01</td> </tr> <tr> <td>CAT</td> <td>01</td> </tr> </tbody> </table>	Name of Examination	Number of Students	UGC NET	01	GATE	04	XAT	01	CAT	01
Name of Examination	Number of Students										
UGC NET	01										
GATE	04										
XAT	01										
CAT	01										
22	<p>Student-Teacher Ratio (average across all disciplines)</p> <p>Average student-teacher ratio in the University is 6.4:1.</p>										
23	<p>University has the following i) IQAC ii) Accreditation by national body iii) International accreditation/ISO certification iv) AAA</p>										

	<ul style="list-style-type: none"> • An Internal Quality Assurance Cell (IQAC) has been established which regularly monitors the progress of various academic activities of different Departments/Institutes of the University. The IQAC ensures the quality parameters such as curriculum development, academic audit, faculty development schemes, smooth & timely conduct of examinations, etc. • M. M. University trust has been recognized as Scientific and Industrial Research Organization (SIRO) by the Department of Scientific and Industrial Research (DSIR), Govt. of India, New Delhi. 																				
24	<p>Outstanding Achievements/ Recognition by faculty/alumni both at national and international level.</p> <p>Achievements and Recognitions attained by Faculty have already been mentioned under point No. 10. However, the information in respect of alumni are listed below:</p> <table border="1" data-bbox="321 932 1370 1843"> <thead> <tr> <th data-bbox="321 932 428 1010">S.No.</th> <th data-bbox="428 932 727 1010">Name of Alumni</th> <th data-bbox="727 932 1013 1010">Designation</th> <th data-bbox="1013 932 1370 1010">Organization</th> </tr> </thead> <tbody> <tr> <td data-bbox="321 1010 428 1209">1.</td> <td data-bbox="428 1010 727 1209">Jagsir Singh</td> <td data-bbox="727 1010 1013 1209">Project Engineer,</td> <td data-bbox="1013 1010 1370 1209">Wipro Limited, Doddakannelli, Sarjapur Road, Bangalore</td> </tr> <tr> <td data-bbox="321 1209 428 1388">2.</td> <td data-bbox="428 1209 727 1388">Pooja Munjal</td> <td data-bbox="727 1209 1013 1388">SEO</td> <td data-bbox="1013 1209 1370 1388">CLEARPATH Technology, Noida</td> </tr> <tr> <td data-bbox="321 1388 428 1587">3.</td> <td data-bbox="428 1388 727 1587">Rahul Raj Singh</td> <td data-bbox="727 1388 1013 1587">GENPACT</td> <td data-bbox="1013 1388 1370 1587">GENPACT, Delhi Information Technology Park, Shastri Park Delhi</td> </tr> <tr> <td data-bbox="321 1587 428 1843">4.</td> <td data-bbox="428 1587 727 1843">Saurabh Verma</td> <td data-bbox="727 1587 1013 1843">Software Development Engineer</td> <td data-bbox="1013 1587 1370 1843">Click Labs Private Limited. Plot No. 5, CDCL, Sector 28-B, Chandigarh, INDIA</td> </tr> </tbody> </table>	S.No.	Name of Alumni	Designation	Organization	1.	Jagsir Singh	Project Engineer,	Wipro Limited, Doddakannelli, Sarjapur Road, Bangalore	2.	Pooja Munjal	SEO	CLEARPATH Technology, Noida	3.	Rahul Raj Singh	GENPACT	GENPACT, Delhi Information Technology Park, Shastri Park Delhi	4.	Saurabh Verma	Software Development Engineer	Click Labs Private Limited. Plot No. 5, CDCL, Sector 28-B, Chandigarh, INDIA
S.No.	Name of Alumni	Designation	Organization																		
1.	Jagsir Singh	Project Engineer,	Wipro Limited, Doddakannelli, Sarjapur Road, Bangalore																		
2.	Pooja Munjal	SEO	CLEARPATH Technology, Noida																		
3.	Rahul Raj Singh	GENPACT	GENPACT, Delhi Information Technology Park, Shastri Park Delhi																		
4.	Saurabh Verma	Software Development Engineer	Click Labs Private Limited. Plot No. 5, CDCL, Sector 28-B, Chandigarh, INDIA																		

	5.	Akshat Semwal	Infosys	Placement in Infosys
	6.	Ankit gupta	Managing Partner	Sunder Printing Press, Ambala Cantt
	7.	Insha Hafiz	Technical Support	IBM, Noida
	8.	Sandeep Kaur	Junior Analyst	eClerx, Chandigarh
	9.	Abhinav Thakur	Sales Executive	Clearpath Technologies, Dwarka, New Delhi
	10.	Priyanka	Junior Recruiter	Spectraforce Technologies, Chandigarh
	11.	Manish	Mobile Manufacturing	MCM Telecom Private Ltd. , Noida
	12.	Savita	Sales Executive	Clearpath Technologies, Dwarka, New Delhi
	13.	Mohsin	Site Engineer	Reliance 4G, Pulwama, Srinagar, Jammu & Kashmir
	14.	Aviral Chahal	Pursuing MBA	Delhi School of Economics, Delhi University, Delhi
	15.	Suraj Sharma	Pursuing MBA	UIAMS, Panjab University, Chandigarh
	16.	Shiv Kumar	System Engineer	Infosys Limited, Rajiv Gandhi Technology

				Park, Chandigarh
17.	Shravan Kumar Sharma	Associate (Technical operations)		Wipro Limited, Noida
18.	Dholpuriya Jayraj Mohan Kumar	Management Executive Trainee		GVK EMRI, Andhra Pradesh
19.	Amit Kumar Singh	Product Support		HCL Technologies, Noida
20.	Akash Singh Rana	Technical Support Officer		Digicall Teleservices, Noida
21.	Avinash Behera	Junior Recruiter		Spectra Force Technologies, Chandigarh
22.	Monica Verma	Technical Support Advisor		Teleperformance India, Jaipur
23.	Mohd. Hussan Mir	Entrepreneur		Export Business, Srinagar (J&K)
24.	Mohd. Wahiduzzaman Khan	Executive Trainee		ITC Group, Bangladesh
25.	Rahul Singh	Business Associate		Appco Group of India, New Delhi
26.	Col. G.P. Singh	Colonel		Indian Army
27.	Shiv Kumar	Executive Trainee		AV Finance Zirakpur
28.	Juhi Koul	Customer Service Executive		Spicejet Ltd., Jammu & Kashmir.

	29.	Jagdeep Singh	Entrepreneur	Kocchar Reality Solutions, Patiala
	30.	M. Amir Shah Akhoon	Site Engineer	Assad Said for Contracting Company Limited, Kingdom of Saudi Arabia
	31.	Karishma Swami	Assistant Professor	Maharani College of Engg. , Kalwada Jaipur
	32.	Ashish Vashishth	Graduate Engineer Trainee	Era Infra Engineering Ltd. Sector-62, Noida
	33.	Nadiya Shah	Site Engineer	Govt. Project, J & K
	34.	Pawan Singh Negi	Site Engineer	Eco Environment Project, Mohali

B. Desirable Indicators

25	Outstanding performance of students in sports/cultural activities at national level			
	Participation of Students of University in Cultural and Sports Activities			
	S. No	Name of the Activity/ Date	Organized by	Position
	1.	10 th NATIONAL LEVEL TECHNO CULTURAL FEST 4 th -5 th November 2015	C.G.C. Landran	2 nd position in (Project Display and ROBOS)
2.	ZONASA 2 nd – 4 th October 2015	Jagannath University, Jaipur	Landscape Trophy	

	3.	MISS GLOBAL INDIA 11 th February 2015	Goa	Miss Photogenic Fashionable	and
	4.	SINGING COMPETITION 1 st -2 nd March 2014	Amity Global Business School, Chandigarh	1 st	
	5.	PIRATES OF SURVEY	Chandigarh University, Gharuan	1 st	
	6.	ANR PHOTOGRAPHY TROPHY 27 th October 2013	National Association of Students of Architecture	1 st	
	7.	MEENAKSHI TROPHY 27 th October 2013	National Association of Students of Architecture	2 nd	
	8.	Cambridge-Debate UNIVERSUMM'12, 10 th -12 th April 2012	M.M.U. Mullana	1 st	
	9.	Photography-UNIVERSUMM' 14, 24 th -26 th February 2014	M.M.U. Mullana	1 st	
	10.	Folk Dance- UNIVERSUMM' 14, 24 th -26 th February 2014	M.M.U. Mullana	1 st	
	11.	Ultratech –Concrete Quiz-14 18 th February 2014	NIT, Kurukshetra	3 rd	

	12.	Treasure Hunt- UNIVERSUMM' 14, 24 th -26 th February 2014	M.M.U. Mullana	2 nd	
	13.	Nukkad Natak- UNIVERSUMM'14 24 th -26 th February 2014	M.M.U. Mullana	3 rd	
	14.	VIDEOCON YOUNG MUNCH CITY FINALLE 8 th October 2013	Videocon, Ambala	2 nd Prize	
	15.	ARCHOTSAV 30 th October-1 st November 2015	Sunderdeep College of Architecture, Ghaziabad	Participation	
	16.	YV-SOCIAL SUMMIT'15, 27 th -31 st October 2015	L.P.U. Jalandhar	Participation	
	17.	TREASURE HUNT 6 th October 2015	Chandigarh College of Architecture	Participation	
	18.	A3 FOUNDATION FEST 11 th September 2015	Museum, Sector- 10, Chandigarh	Participation	
	19.	UNIVERSUMM' 15, 17 th -19 th March 2015	M.M.U. Mullana	Participation	
	20.	TRANSPARENCE 2014	Saint – Gobain Class India Limited, Malaysia	Participation	
	21.	INSDAG 6 th – 7 th February 2014	Institute for Steel Development & Growth.	Participation	

			Kolkatta		
22.	ALL INDIA GOA GOLD CUP T 20 CRICKET CHAMPIONSHIP-2015 19-20 October 2015		T 20 Cricket Association of India	Participation	
23.	YOUTH VIBE 2015 (CRICKET) 27-31 October 2015		Lovely Professional University, Jalandhar	Participation	
24.	UNIVERSUMM-15, 17-19 March 2015		M.M.U., Mullana	Participation	
25.	CHALLENGER TROPHY 3-9 October 2014		M.D.C.A. (Sec-16 Stadium, Chandigarh)	Participation	
26.	UNIVERSUMM-14 24-26 February 2014		M.M.U., Mullana	Participation	
27.	19 TH ALL INDIA CHAUDHARY RANBIR SINGH HOODA UNDER-17 NATIONAL 9-12 May 2013		Cricket Federation of Haryana	Participation	
28.	UNIVERSUMM-12 10-12 April 2012		M.M.U., Mullana	Participation	
29.	ARENA 56 th NASA PANEL DISCUSSION 4 TH -5 TH October 2013		School of Architecture, Meenakshi College of Engineering,	Participation	

			Chennai		
	30.	UNIVERSUMM'12, 10 th -12 th April 2012	M.M.U. Mullana	Participation	
	31.	POSTER PRESENTATION COMPETITION 12 th October 2011	M.M.U. Mullana	Participation	
26	<p>Feedback received from different stakeholders on syllabi etc.</p> <p>(i) Students (ii) Alumni (iii) Parents (iv) Employers (v) Peers</p> <p>Feedback on syllabi and other facilities of the University is regularly taken from students, alumni, employers and experts of various academic and administrative bodies. To cite:</p> <ul style="list-style-type: none"> • Feedback from students is taken during mentors-mentees meetings as well as at the end of each semester. • Alumni meet is held in the University which is a vital means to gather feedback from the alumni of the University. • Mentors are regularly in contact with the parents of their mentees via e-mail, post, telephonically when feedback regarding various aspects of the University is also collected. • Interaction/discussion with industry executives in workshops/seminars and other meetings. 				
27	<p>Percentages of recommendations of the stakeholders implemented</p> <p>The feedback on various aspects of the University is obtained from time to time which is analyzed and discussed at Departmental/Institutional level; and at University Level in the meetings of academic and administrative bodies of the University. Almost all suggestions are implemented with modifications,</p>				

	wherever required.						
28	<p>Number of interdisciplinary course combinations introduced during last five years as percentage of total programmes</p> <p>Out of total 574 courses, 132 are interdisciplinary courses, which is approximately 23% of the total courses.</p>						
29	<p>Percentage of Departments conducting tutorial classes</p> <p>Tutorial classes are conducted in all Departments of the University.</p>						
30	<p>Number of courses, where continuous assessment of student performances is structured into the system.</p> <p>Continuous assessment of students' performance is structured as an inbuilt system in all the UG and PG courses.</p>						
31	<p>Percentage of faculty availing international fellowship for advance studies</p> <p>One faculty member has availed the Travel Assistance Grant from DST to attend an International Conference in Sydney, (Australia) in the year 2013.</p>						
32	<p>Percentage of courses/programmes that formally integrate e-learning resources from National Programmed Teaching Enhanced Learning (NPTEL) Digital library retrieval</p> <p>Percentage of courses which formally integrate e-learning resources from NPTEL are as under:</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Programme & Discipline</th> <th>% of courses integrating e-learning resources from NPTEL</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	S. No.	Programme & Discipline	% of courses integrating e-learning resources from NPTEL			
S. No.	Programme & Discipline	% of courses integrating e-learning resources from NPTEL					

	1	B.Tech.	Electronics & Communication Engineering	66.66%	
			Computer Science & Engineering	64.70%	
			Mechanical Engineering	93.75%	
			Civil Engineering	86.53%	
	2	BBA		35.89%	
	3	B.Com.		39.28%	
	4	M.Tech.	Electronics & Communication Engineering	66.66%	
			Computer Science & Engineering	62.50%	
			Mechanical Engineering	95.23%	
			Civil Engineering	94.11%	
	5	M.Sc.	Chemistry	76.00%	
	6	MBA		25.86%	
	<p>In addition to the above mentioned courses, 80% contents of basic subjects on Physics, Chemistry and Mathematics in B. Tech programme are also available on NPTEL.</p>				
	33	<p>Percentage of annual budget allocated for augmentation of infrastructure facilities (average of last 3 years)</p>			
Year		Total Budget Estimates for recurring & non-	Provision of budget for augmentation of	Percentage of annual budget for infrastructure	

	recurring Exp. (Rs.in lacs)	infrastructure facilities (Rs. in lacs)	facilities (Rs.in lacs)	
	2013-14	902.97	84.00	9.30%
	2014-15	1096.60	296.00	26.99%
	2015-16	1280.82	288.00	22.48%
	Total	3280.39	668.00	20.36%
34	Total number of class rooms, seminar halls with LCD/OHP etc.			
	Out of 46 classrooms in the University, 18 are equipped with LCD projectors. In addition, 06 seminar halls have also been provided with LCD projectors. Along with this, there are 08 studios for the B. Arch Programme.			
35	Declaration of results within			
	Results are generally declared within 30 days of the last day of examinations.			
36	Average pass percentage of students			
	The average pass percentage of students across all the programmes is 69.23% .			
37	Student Placement percentage average per year			
	The average percentage of placement of students of the University for the last year is 76.1% .			
38	Percentage of student progression to higher education			
	In Engineering programme, the average percentage of student progression from undergraduate to Post graduate programmes is nearly 2.85% and from			

	Postgraduate to Ph.D., it is nearly 2.04% .
39	Average drop-out percentage of students
	Average drop-out percentage of students across all the programmes since 2011 is 5.67% .
40	Unit cost of education (excluding salary)
	The Unit Cost of education excluding the component of salary : 0.37 lacs
41	Aggregate percentage of seats filled against seats reserved for various categories as per applicable reservation policy
	As per the decision of the Hon'ble Supreme Court, reservation policy is not applicable on self financing institutions. Since MM University, Sadopur is also a self financing University, the reservation policy is not applicable. However, aggregate percentage of students admitted from reserved categories of SC/ST/OBC/PH is 36.17% .
42	Number of differently abled persons on roll: Teaching/Non-Teaching/Students
	The number of differently abled persons on roll in different segments of the University are as under: <ul style="list-style-type: none"> • Teaching : Nil • Non-Teaching : Nil • Students : 02
43	Percentage representation of staff (teaching/ nonteaching) in decision making bodies
	The percentage of representation of staff in various decision making bodies


	like Governing Body, Board of Management, Academic Council, Faculties, Finance Committee, Board of Studies, etc. is 65.1% .
44	* Percentage of autonomous colleges to the total number of colleges The UGC scheme of Autonomous Colleges is not applicable in the case of constituent Institutes of the Private State Universities.
45	Percentage of teachers from other states 37.16% of teachers of the University are from other states.
46	Donations received for institution of Chairs, endowments, seminars, and lecture series in crores of INR in last 5 years. The University has received voluntary contributions amounting to Rs. 3,62,359 from various private sources for organizing different academic activities.
47	Contribution of Alumni/parents (average of last 5 years) for development of University in lakhs. An amount of Rs 0.6 Lac has been contributed by the University Alumni in the last two years.
48	Percentage of Female students There are 29% female students in various courses of the University.
49	Programme for professional development of staff per year Usually two to three programmes related to Computer Literacy, Office Procedures and Language Proficiency are conducted for staff per year.

50	<p>Projection of successful innovative practices</p> <ul style="list-style-type: none"> • Student Mentoring. • Credit Based Semester System. • Restructuring of curriculum as per Industry needs. • Personality Development Programme as a part of Curriculum. • Academic Audit. • Conferences/Workshops/Expert Lectures/Industrial Visits, etc. on regular basis. • Emphasis on Communication Skills.
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** Applicable only to the affiliating Universities.*

Place: Sadopur- Ambala

Date: 28-02-2016


 Vice Chancellor
 Maharishi Markandeshwar University
 Sadopur (Ambala)-134007

Sushama
 VICE-CHANCELLOR
 M. M. UNIVERSITY
 SADOPUR-AMBALA

Core/Desirable Indicators