



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	MAHARISHI MARKANDESHWAR UNIVERSITY
Name of the head of the Institution	Dr. Harish Kumar Sharma
Designation	Vice Chancellor
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	01712554500
Mobile no.	8059932404
Registered Email	info@mmambala.org
Alternate Email	vc@mmambala.org
Address	Maharishi Markandeshwar University Ambala Chandigarh Highway Sadopur
City/Town	Ambala City
State/UT	Haryana
Pincode	134007

2. Institutional Status																			
University			Private																
Type of Institution			Co-education																
Location			Urban																
Financial Status			private																
Name of the IQAC co-ordinator/Director			Dr. Praveen Ailawalia																
Phone no/Alternate Phone no.			01712554541																
Mobile no.			9466150117																
Registered Email			deanacademic@mmambala.org																
Alternate Email			registrar@mmambala.org																
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)			http://www.mmambala.org/pdf/aqar/2017-18.pdf																
4. Whether Academic Calendar prepared during the year			Yes																
if yes,whether it is uploaded in the institutional website: Weblink :			http://www.mmambala.org/pdf/academic-calendar-2018-19.pdf																
5. Accreditation Details																			
<table border="1"> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accreditation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> <tr> <td>1</td> <td>B</td> <td>2.01</td> <td>2016</td> <td>05-Nov-2016</td> <td>04-Nov-2021</td> </tr> </table>						Cycle	Grade	CGPA	Year of Accreditation	Validity		Period From	Period To	1	B	2.01	2016	05-Nov-2016	04-Nov-2021
Cycle	Grade	CGPA	Year of Accreditation	Validity															
				Period From	Period To														
1	B	2.01	2016	05-Nov-2016	04-Nov-2021														
6. Date of Establishment of IQAC			18-Dec-2014																
7. Internal Quality Assurance System																			
<table border="1"> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by IQAC</th> <th>Date & Duration</th> <th>Number of participants/ beneficiaries</th> </tr> <tr> <td>IQAC meeting</td> <td>25-Jul-2018</td> <td>11</td> </tr> </table>						Quality initiatives by IQAC during the year for promoting quality culture			Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries	IQAC meeting	25-Jul-2018	11					
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Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries																	
IQAC meeting	25-Jul-2018	11																	

	01	
IQAC meeting	17-Sep-2018 01	11
IQAC meeting	11-Jan-2019 01	12
IQAC meeting	19-Apr-2019 01	11
Review meetings with faculty	04-May-2019 01	37
meetings with students	15-Feb-2019 01	46
Faculty induction Programme	21-Jul-2018 01	14
Academic Audit	14-May-2019 05	75
Academic Audit	06-Dec-2018 08	72
Administrative Audit	15-May-2019 02	3
No Files Uploaded !!!		

8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	4
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	Yes

If yes, mention the amount	15000
Year	2019

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

1. Introduced soft skill and skill oriented courses. 2. Regular meetings with stake holders. 3. Wide range of activities planned and executed throughout the session. 4. Successful mentoring system in place. 5. Extension activities on regular basis.

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

Plan of Action	Achivements/Outcomes
To introduce soft skills courses.	Soft Skill Courses "English for Competitive Examinations, Employability Skills, Professional Skills" were introduced during the year.
Induction training programme for newly inducted faculty planned.	Induction training programme for new faculty members was arranged before the start of academic session. This is to apprise faculty members on academic and administrative regulations to take care of students regarding queries/grievances.
Academic Audit	Regular academic audit helps to improve academic standards. It also facilitates to take necessary steps to enhance the quality of education and delivery methods.
No Files Uploaded !!!	

14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing Body	28-Jan-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

Yes

Date of Visit

26-Sep-2016

16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	11-Jan-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>The University has an Enterprise Resource Planning (ERP) as a Management Information System (MIS). Each Academic and Administrative department manages its own established information system. ERP facilitates Student attendance through BIOMETRIC machines and Student and mentors have access to ERP system for monitoring attendance. Parents can also check the attendance of their wards through ONLINE mode. Leaves and salary details of staff is also maintained through ERP system. If the student remains absent during a particular class, message is sent to the parent regarding the absence. Documentation process related to academic activities like, registration process, sessional marks, research output etc. is processed through GOOGLE spread sheets for maintaining transparency. Fully operational University Science Instrumentation centre (USIC) is available in the University for Maintenance of lab equipment.</p>

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

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

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BCA	17UG02	Cloud Computing and Information Security	17/06/2019
BBA	11UG02	Financial Services	31/01/2019
BPharm	16UG01		25/06/2019
BSc (Agriculture)	16UG02		17/04/2019
BCom	11UG01		31/01/2019

BA	17UG01	JMC	31/01/2019
PG Diploma	17PG04	JMC	31/01/2019
MSc	11PG01	Chemistry	20/02/2019
MSc	16PG01	Physics	15/02/2019
MArch	17PG03		31/05/2019
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BCA	17UG02	23/07/2018	Professional Skills HUM(OE) - 03	23/07/2018
BCA	17UG02	23/07/2018	Employability Skills HUM(OE) - 04	23/07/2018
BBA	11UG02	23/07/2018	Professional Skills HUM(OE) - 03	23/07/2018
BBA	11UG02	23/07/2018	Employability Skills HUM(OE) - 04	23/07/2018
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
MSc (Agriculture)	Agronomy	23/07/2018
MSc (Agriculture)	Entomology	23/07/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
MSc	Physics	23/07/2018
MSc (Agriculture)	Agronomy	23/07/2018

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Human Values Professional Ethics In Society Higher Education	23/07/2018	271
Swachh Bharat Summer Internship	15/07/2018	43
Bee Keeping	21/06/2019	14

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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
MSc	Chemistry	13
BArch	Ninth Semester	57
BArch	Sixth Semester	24
BPharm	Sixth semester	28
BSc (Agriculture)	SBSI	43
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>Transparent Feedback system is adopted by the University for all stake holders. Feedback from University stake holders' viz. Students, Teachers, Employers, Alumni and Parents is a regular feature implemented by the University. Different aspects of Feedback system are curriculum development, academic implementation, infrastructure and other campus facilities. The curriculum is designed keeping in view the feedback received from the stake holders and then it is approved by academic bodies. Feedback from the concerned faculty member(s) is also collected at the end of semester for analysis at the departmental level. Feedback on different aspects like contents and delivery of a particular course, infrastructure facilities, and hostel facilities is shared by the students at the end of each semester. This feedback is then analysed by a team of Experts. The relevant points on all the aspects received are placed before the departmental committee for discussion. The valuable suggestions, an outcome of these discussions are then placed before the academic bodies for revision in syllabi/curriculum. Feedback analysis indicates that a majority of students are satisfied with course curriculum and delivery system.</p>

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MSc (Agriculture)	Agronomy	30	8	3
MArch		20	5	4
MSc	Chemistry	40	13	10

BCA		40	54	26
BBA		40	49	19
BCom		20	17	7
BSc	Design	20	25	5
BArch		40	74	12
BPharm		60	96	60
BSc (Agriculture)		180	261	180
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1118	43	65	7	19

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
91	87	6	20	3	6

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

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

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

One of the highlights of the University is strong and effective mentoring system. Faculty members act as mentors to a small group of students (about 15) and maintain the complete academic record of their mentees. Information related to academic performance and attendance of the ward is compiled by the mentor and then conveyed to parents on regular basis. The mentors maintain all the records of students academic performances, participation in co-curricular and extra-curricular activities. Record of problems being faced by them and redressal of such issues/grievances during their academic tenure is also maintained by the mentor. The mentor regularly updates the parents about the progress of the mentees. Parent mentor meeting are also organised on regular basis

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1196	85	1:14

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
91	91	0	23	45

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National,

International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr. Manoj Kumar	Professor	CMI Qualification from Dudley College, Birmingham, United Kingdom
2018	Dr. Lokender Kashyap	Associate Professor	Best Teacher Award, ICFA 2018
2018	Dr. Pardeep Srivastava	Associate Professor	Best Teacher Award, ICFA 2018
2018	Dr. Akshay Kumar Vats	Assistant Professor	Best Thesis Award ATI Society Ghaziabad
2019	Dr. Praveen Ailawalia	Professor	MOTIVATOR Award received from Rotary and Blood Bank Society Resource Centre, Chandigarh
2019	Prof. Aradhana Jindal	Principal	Women Achiever Award for Excellence in Education by Idea House
2019	Prof. Aradhana Jindal	Principal	Award for Valuable Contribution in Architectural Education by Times of India Group
2019	Dr. Ridhima Arya	Assistant Professor	Best Oral Presentation AWARD, DBT sponsored conference
2019	Prof. Raman Gupta	Registrar	Appreciation by IIT, Bombay for holding Software Training Workshops
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BBA	11UG02	2nd	10/06/2019	27/06/2019
BSc (Agriculture)	16UG02	6th	20/06/2019	20/07/2019

)				
BPharm	16UG01	2nd	12/06/2019	09/07/2019
BCom	11UG01	6th	31/05/2019	18/06/2019
BCom	11UG01	4th	31/05/2019	18/06/2019
BCom	11UG01	2nd	06/06/2019	18/06/2019
BArch	11UG03	8th	20/06/2019	27/06/2019
BArch	11UG03	6th	30/05/2019	27/06/2019
BArch	11UG03	4th	01/06/2019	27/06/2019
BArch	11UG03	2nd	10/06/2019	09/07/2019
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	2074	00

2.6 – Student Performance and Learning Outcomes

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

http://www.mmambala.org/courses_curriculum.php

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
11UG05	BTech	ECE	9	9	100
11UG07	BTech	CE	11	10	90.9
11UG06	BTech	ME	14	14	100
11UG04	BTech	CSE	20	20	100
11PG02	MBA		6	5	83.3
11PG01	MSc	Chemistry	13	11	84.6
16PG01	MSc	Physics	2	2	100
11UG02	BBA		10	10	100
11UG01	BCom		6	6	100
11UG03	BArch		57	57	100

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2.7 – Student Satisfaction Survey

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

<https://www.mmambala.org/pdf/student-satisfaction-survey/2018-19.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

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

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Dr. Akshaya Vats	Best Thesis Award	22/10/2018	ATI Society, Ghaziabad
International	Dr. Manoj Kumar	CMI Qualification	08/02/2018	Dudley College, Birmingham, UK
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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
Research Associate	365	Maharishi Markandeshwar University, Sadopur
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3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Any Other (Specify)	01	APTI	0.1	0.1
Any Other (Specify)	01	NABARD	1.27	1.27
Projects sponsored by the University	365	Maharishi Markandeshwar University, Sadopur	1	1
Minor Projects	01	DBT	0.5	0.5
Interdisciplinary Projects	03	DST and The National Science Technology Entrepreneurship Development Board	0.2	0.2
Projects sponsored by the University	365	Maharishi Markandeshwar University, Sadopur	0.6	0.6
Projects sponsored by the University	365	Maharishi Markandeshwar University, Sadopur	0.4	0.4
Any Other (Specify)	01	National Commission for Women (NCW)	0.44	0.44
Any Other	01	Patent	0.3	0.3

(Specify)		Information Centre, Haryana DST		
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3.3 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Global Aspects of Intellectual Property Rights on Research Methodology	Pharmacy	19/04/2019
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Institute Innovation Council	MMU, Sadopur	AICTE	21/11/2018	xxxx
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
01	MM Incubation Centre	Maharishi Ma rkandeshwar Trust	Vermi Compost Unit	Agriculture	02/08/2018
01	MM Incubation Centre	Maharishi Ma rkandeshwar Trust	Saptakoshi Hatchery	Fisheries	05/07/2018
01	MM Incubation Centre	Maharishi Ma rkandeshwar Trust	Saurabh Mushroom	Mushroom Cultivation	22/08/2018
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Mathematics and Humanities	1
Computer Science and Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Pharmacy	2	0.07
International	Pharmacy	14	1.57
International	Physics	4	1.11
International	Mathematics and	4	0.83

	Humanities		
International	Architecture	2	3.11
National	Chemistry	2	0.45
International	Chemistry	8	1.77
International	Civil Engineering	1	4.05
International	Mechanical Engineering	1	3.54
International	Computer Science and Engineering	2	0.11
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Pharmacy	5
Agriculture	5
Chemistry	8
Physics	3
Mathematics and Humanities	3
Management	1
No file uploaded.	

3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Composition of High Compressive strength low calcium fly ash based geopolymer concrete incorporating Alccofine 1203	Published	201711012671	10/05/2019
A method for chemical solution processing of nano structured nickel sulfide thin films and method of deposition the same.	Filed	201911017633	02/05/2019
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Mechanical	B B Jindal	Constructi	2018	4.046	Maharishi	0

and micro structural properties of fly ash based geopolymer concrete incorporating alccofine at ambient curing		on and Building materials			Markandeshwar University, Sadopur	
Thermal comfort study in naturally ventilated school classrooms in composite climate of India	Aradhana Jindal	Building and Environment	2018	4.82	Maharishi Markandeshwar University, Sadopur	0
Investigation and analysis of thermal comfort naturally ventilated secondary school classrooms in the composite climate of India	Aradhana Jindal	Architectural Science Review	2019	1.397	Maharishi Markandeshwar University, Sadopur	0
Molecular dynamics insights for PI3K-d inhibition structure guided identification of novel PI3K-d inhibitors	Manish Sharma	Journal of Biomolecular Structure And Dynamics	2018	3.217	Maharishi Markandeshwar University, Sadopur	1
Synthesis, Molecular Docking and Biological Evaluation of 2-Mercaptoimidazo	Nidhi Rani	Current Computer-Aided Drug Design	2019	1.342	Maharishi Markandeshwar University, Sadopur	0

les using Solid Phase Synthesis						
Rosmarinic acid attenuates inflammation in experimentally induced arthritis in Wistar rats, using Freund's complete adjuvant (FCA)	Rupesh Gautam	International Journal of Rheumatic Diseases	2019	1.894	Maharishi Markandeshwar University, Sadopur	0
Fisetin and Quercetin: Promising Flavonoids with Chemopreventive Potential	Manoj Kumar	Biomolecules	2019	4.64	Maharishi Markandeshwar University, Sadopur	0
Mechanochemical Synthesis of a New Triptycene-Based Imines-Linked Covalent Organic Polymer for Degradation of Organic Dye	Harish Kumar Sharma	Crystal Growth and Design	2019	4.153	Maharishi Markandeshwar University, Sadopur	0
Investigation of optical, electrical and magnetic properties of Tb-doped ZnO nanorods	Nupur Aggarwal	Journal of Material Science: Materials in electronics	2019	1.76	Maharishi Markandeshwar University, Sadopur	2
A two dimensional problem on laser pulse	Praveen Ailawalia	Archives of Thermodynamics	2019	1.141	Maharishi Markandeshwar University, Sadopur	0

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Mechanical and microstructural properties of fly ash based geopolymer concrete incorporating alccofine at ambient curing	B B Jindal	Construction and Building materials	2018	129	0	Maharishi Markandeshwar University, Sadopur
Thermal comfort study in naturally ventilated school classrooms in composite climate of India	Aradhana Jindal	Building and Environment	2018	124	0	Maharishi Markandeshwar University, Sadopur
Investigation and analysis of thermal comfort naturally ventilated secondary school classrooms in the composite climate of India	Aradhana Jindal	Architectural Science Review	2019	27	0	Maharishi Markandeshwar University, Sadopur
Molecular dynamics insights for PI3K-d inhibition structure	Manish Sharma	Journal of Biomolecular Structure And Dynamics	2018	58	1	Maharishi Markandeshwar University, Sadopur

guided identification of novel PI3K-d inhibitors						
Synthesis, Molecular Docking and Biological Evaluation of 2-Mercaptoimidazoles using Solid Phase Synthesis	Nidhi Rani	Current Computer-Aided Drug Design	2019	24	0	Maharishi Markandeshwar University, Sadopur
Rosmarinic acid attenuates inflammation in experimentally induced arthritis in Wistar rats, using Freund's complete adjuvant (FCA)	Rupesh Gautam	Journal of Environmental Pathology, Toxicology and Oncology	2019	33	5	Maharishi Markandeshwar University, Sadopur
Fisetin and Quercetin: Promising Flavonoids with Chemopreventive	Manoj Kumar	Biomolecules	2019	37	3	Maharishi Markandeshwar University, Sadopur
Mechanochemical Synthesis of a New Triptycene-Based Imin e-Linked Covalent Organic Polymer for Degradation of Organic Dye	Harish Kumar Sharma	Crystal Growth and Design	2019	139	0	Maharishi Markandeshwar University, Sadopur
Investigation of optical,	Nupur Aggarwal	Journal of Material Science:	2019	63	2	Maharishi Markandeshwar Univer

electrical and magnetic properties of Tb-doped ZnO nanorods		Materials in electronics				sity, Sadopur
A two dimensional problem on laser pulse heating in thermoelastic microelongated solid	Praveen Ailawalia	Archives of Thermodynamics	2019	11	0	Maharishi Markandeshwar University, Sadopur

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	1	13	0	0
Presented papers	8	7	0	0
Resource persons	0	3	0	0

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Agriculture	Soil testing	farmers	11000
Computer Science and Engineering	Software Development	Krishan Chahal Research Pvt. Limited, Karnal	200000

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

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Department of Agriculture	Kisan Ghosti	Local Farmers	5750	23

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3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/	Number of teachers	Number of students
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	collaborating agency	participated in such activities	participated in such activities
Blood Donation Camp	MMU NSS UNIT in Association with Rotary Blood Bank Society, Chandigarh	34	160
Pariksha Pe Charchha	MMU NSS UNIT, Sadopur	14	105
Blood Donation Camp	MMU NSS UNIT, Sadopur	32	155
Anti-Terrorism Day	MMU NSS UNIT, Sadopur	15	80
Drug Free India	MMU NSS UNIT, Sadopur	5	55
Ekta Divas	MMU NSS UNIT, Sadopur	34	160
Surgical Strike Day	MMU NSS UNIT, Sadopur	5	65
Eat Right India	MMU NSS UNIT, Sadopur	32	40
Flag Day	MMU NSS UNIT, Sadopur	5	60
Environment Day	MMU NSS UNIT, Sadopur	5	35

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Blood Donation Camp on 11 Sep. 2018	Certificate of Appreciation for organising large blood donation camp	Rotary and Blood Bank Society, Chandigarh	160
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
UBA, Gov. of India	NSS UNIT, MMU, Sadopur	Adopted villages survey	5	55
UBA, Gov. of India	NSS UNIT, MMU, Sadopur	Tree Plantation in adopted villages	5	10
UBA, Gov. of India	NSS UNIT, MMU, Sadopur	Swachhta Abhiyan	35	150
Gender Sensitization	Women Cell	Debate Competition	2	13

Women Entrepreneurship	EDC	Seminar	4	132
Social Service	NSS UNIT, MMU, Sadopur	Cloth Donation	8	30
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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Joint Research	Manish Sharma	MMU, Sadopur	180
Joint Research	Rupesh Gautam	MMU, Sadopur	180
Joint Research	Isha Rani	MMU, Sadopur	180
Joint Research	Nupur Aggarwal	MMU, Sadopur	180
Joint Research	Aradhana Jindal	MMU, Sadopur	180
Joint Research	Harish Kumar Sharma	MMU, Sadopur	180
Joint Research	Manoj Kumar	MMU, Sadopur	180
Joint Research	Praveen Ailawalia	MMU, Sadopur	180
Joint Research	Deepak Ahlawat	MMU, Sadopur	180
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Summer Internship	Bee Keeping	Integrated Bee Keeping Development centre	21/06/2019	28/06/2019	14
Internship	Practical training	7-New Bhopalpura, Udaipur	01/01/2019	30/06/2019	2
Internship	Practical training	Somya Kriti Architects, 3/23 Kavita enclave, basement floor, Prabhati Devi marg, Chitrakoot scheme, Vaishali nagar, Jaipur	01/01/2019	30/06/2019	1
Internship	Practical	Samyar	01/01/2019	30/06/2019	1

	training	Sansthan Technical Consultants Pvt. Ltd. Panchkula, Sec 9			
Internship	Practical training	ANB CONSULTANTS 306, B- block, 3rd floor, Kasmanda regent apartment, 2 pak road, Lu cknow-226001	01/01/2019	30/06/2019	1
Internship	Practical training	Idea 2 Design, Unit no. 232-233, 2nd floor, Vardhaman sunrise plaza, Vasundhara enclave, New Delhi	01/01/2019	30/06/2019	1
Internship	Practical training	ADS, A-440, Logix Technova Sector-132 Noida	01/01/2019	30/06/2019	1
Internship	Practical training	JABCON CONSULTANTS, C/O Progressive point, No. 318, 3rd floor, Raipur (C.G-492001)	01/01/2019	30/06/2019	1
Internship	Practical training	Wallmakers, C, 34/633, Sameuls pyramid, Paadivattom, Ernakulam, Kerela - 682024	01/01/2019	30/06/2019	1
Internship	Practical training	Design Forum Internationa l, K-47, Kailash Colony, New Delhi-110048	01/01/2019	30/06/2019	1

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
INurture, Bangalore	28/02/2018	University-Industry partnership	55
Gulshan Kumar Film and Television Institute of India, New Delhi	25/06/2018	To train and produce the expert film makers, journalists media professionals , Fashion Designers, Artists and qualified technicians	0
Krishan Chahal Research Pvt. Limited, Karnal	09/10/2018	University-Industry partnership	232
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
101	227

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Newly Added
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Existing
Video Centre	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Soul (Software for	Partially	2.0	2015

University library)			
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4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	22437	5925960	2374	858308	24811	6784268
Reference Books	267	289576	64	82269	331	371845
Journals	66	230087	47	116595	113	346682
e-Journals	556	13570	0	13570	556	27140
Digital Database	1	17700	0	17700	1	35400
CD & Video	831	0	5	0	836	0
Others (specify)	2	50000	1	450	3	50450
Library Automation	2	68208	0	0	2	68208
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Sandeep Singh Rana	Data Structures	Krackin (LMS)	16/08/2018
Sandeep Singh Rana	IIoT	Krackin (LMS)	07/11/2018
Bhawana Saini	Network Administration	Krackin (LMS)	14/12/2018
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	452	96	40	80	150	64	22	45	0
Added	0	0	0	0	0	0	0	17	0
Total	452	96	40	80	150	64	22	62	0

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

62 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Print Media Lab	https://www.mmambala.org/e-content/e-content.php

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
2.5	2.04	11.5	124.12

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

? In order to maintain the physical infrastructure like scientific instruments and other physical machinery, the University has established a University Science Instrumentation Centre (USIC). It provides services such as repair of any kind of electrical/electronic/mechanical instruments including farm equipments and machines used in Agriculture, Pharmacy, Physics, Chemistry, Architecture etc. ? Internet connectivity @62Mbps bandwidth is available in the University campus. ? Wifi facility 24x7 is available for staff and students across the campus. ? Easy access to online educational resources like e-journals and e-books. ? Library has latest titles and volumes from different fields of specialization. Also daily newspapers in multiple languages, magazines are available in the library. ? Uninterrupted power supply. ? Research Labs do exist for research scholars, students Faculty. ? Sufficient manpower on full time basis for maintenance of Electrical, Civil, Mechanical, Electronics equipment. Institutional website : www.mmambala.org

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Merit cum Means	152	2641000
Financial Support from Other Sources			
a) National	PMS, CSSS, MINORITY, Umbrella Scheme	50	2515704
b) International	xxxx	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Mentor-Mentee system	23/07/2018	1196	MMU, Sadopur
Remedial Class	01/08/2018	37	Teaching Departments
Language Lab	23/07/2018	222	Department of Mathematics and

			Humanities
Professional Skills	31/07/2018	27	Department of Mathematics and Humanities
Employability Skills	31/07/2018	27	Department of Mathematics and Humanities
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Career Counselling	48	93	4	74
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
26	26	7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
3 organizations	14	9	61 organizations	65	65
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	1	B.Arch.	Architecture	Urban planning, VNIT, Nagpur	M.Arch
2018	1	B.Arch.	Architecture	School of Planning & Architecture, New Delhi	M.Arch
2018	1	B.Arch.	Architecture	Sushant school of Art and Arch	M.Arch

				itecture, Ansal university	
2018	1	B.Arch.	Architecture	Central University of Rajasthan	M.Arch
2018	2	M.Sc.	Physics	Thapar Institute of Engineering and Technolo gy (deemed to be University)	Ph.D
2018	1	BBA	Management	SUS Tangori, Punjab, Punjab Technical University	MBA
2018	2	BBA	Management	Galaxy Global Insti tutions, Shah bad, Kurukshetra University	MBA
2018	1	BBA	Management	Oriental University, Indore	MBA
2018	1	BBA	Management	Lucknow University, New Campus	MBA
2018	1	B.Tech	Mechanical	Idaho State University, Pocatello, Idaho, USA	M.Tech
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year
(eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	2
Any Other	2
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Tug of War (04 July, 2018)	Department Level	22
Ludo game (08 August, 2018)	Department Level	21
Ludo, Arm wrestling,	Department Level	37

chess and single leg race (13 September 2018)		
Gully Cricket (16 Jan. 2019)	Department Level	30
Techno Cultural Fest SwaroopMM, 05-06 April 2019	University	800
Best out of waste, 17 Sep. 2018	Department Level	50
Talent Hunt, 27 Aug. 2018	Department Level	26
Clay Modelling Competition, 24 Sep. 2018	Department Level	23
Basant Panchmi	Department Level	50
Photography Competition: Festival of India, 15 Nov. 2018	Department Level	19
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	2nd position in Badminton Singles Men Category organized by Architects Sports Club of India (ASCI)	National	1	0	75166003	Aarush Marwaha
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The University has active societies/clubs which hold various types of activities in the University/respective departments. The 'Student Council Elections' for the year 2018-19 were held on 19th September, 2018, before which the nominations for the election were made and the students from 2nd and 3rd year were all set and geared up to compete for elections. On 4th October, 2018, the elected students for the various posts of the student council were installed for various posts- Architecture Head Boy, Architecture Head Girl, Sports Head, Graphic Designer, Cultural Head Girl, Cultural Head Boy, Treasurer, press and Publicity and the Captains and Vice Captains of each of the four houses of MM School of Architecture. Sadopur Pharmaceutical Society Organised different activities in order to celebrate different occasions such

as World Pharmacist Day on 25th September 2018, Best Out of Waste Day (25th September 2018), Lohri Celebration (11th Jan 2019), Basant Panchmi (8th Feb 2019) and Tree Plantation Day on 10th April 2018. The students participated actively in all the activities. Further, Gender Champion Club organised one day seminar on Topic "Women Entrepreneurship in Patriarchal Society: Motivation and Challenges on 30th March 2019. Departmental Student Grievance Redressal Committee, Sadopur Pharmaceutical Society, Antiragging Committee and Library Committee constitution involves student participation. Various clubs and societies like Agro Club, Burning Comet Club, Management Club, Institute Industry Interaction cell etc. exists at department level. All academic and extra-curricular activities are organized by student members through these clubs and societies.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of registered Alumni:

701

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

4500

5.4.4 – Meetings/activities organized by Alumni Association :

02

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

MMU Sadopur functions in a well-structured and defined manner to ensure decentralization and participative management at all levels of decision making. It supplies the better environment to participating components in the decision making process, the administrative and academic structure of university in a manner to make the decision by participative arrangement. Chancellor is the Chairman of the Governing Body and Vice-Chancellor is the Academic and Administrative Head of the University, which oversees the University affairs. The Vice-Chancellor chairs the meetings of the Board of Management, Academic Council with Registrar as the Secretary of the Governing Body, Board of Management, Academic Council. He oversees the Academic matters of the University in close coordination with the Dean of Faculties, Dean Academic Affairs, Dean Research and Development, and Head of Departments. The Dean of each Faculty is responsible for execution of the decisions of the Faculty and coordination of teaching and research in Department forming part of the respective Faculty therein. The meetings of all the University Bodies and the Statutory Committees are held regularly. Dean Academic Affairs is responsible for academic advisory support to the Heads of various Departments who further handle the academic issues of the students. The Dean Students Welfare assisted by Sports Officer and Cultural activities incharge is responsible for all activities related to students including sports, extra-curricular, student's grievances and their redressal. The meeting of the Faculties and the Board of Studies are chaired by the respective Deans and HOD of the respective Department. Issues pertaining to the curriculum design and revision are taken up at the Departmental level in the Board of Studies. The recommendations of

the BOS are referred to the Faculty and the Academic Council for necessary action. The other entities of the University like examination, accounts, library and administration are administered by the Controller of Examination, Finance and Accounts Officer, Chief Librarian and Registrar respectively. Students, as an important stakeholders are also involved in various committees and departmental clubs. All departmental activities like academic, curricular, visits, extension etc. are being organized by students who are members of departmental clubs. To involve students and faculty members in department activities, department committees like discipline committee, literary committee, Library committee, Research committee are constituted. Planning and execution of all activities are managed by these committees.

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

Partial

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	Curriculum is updated at regular intervals as per the feedback/suggestions from the stakeholder i.e., Student, faculty and experts from academics as well as from industry. Curriculum development is carried out on regular basis so that the course contents kept updated as per the requirement of industry.
Teaching and Learning	? Teaching and learning of students is facilitated by using ICT and E-learning resources. MOOCs course are promoted and students are encouraged to enrol themselves for different available courses according to their need. Project Based Learning, Online Quiz are organized on regular basis. Special classes for campus recruitment and training are conducted to support students in their placements
Examination and Evaluation	1. In exam branch, Table Marking Centre (TMC) has been established under CCTV Surveillance for timely evaluation of Answer-Books. 2. A practice is to notify the date-sheet of end-semester examination well in advance so that students can prepare the subjects with appropriate planning. 3. The exam branch had adopted the policy for declaring the results within 30 days from the date of completion of examinations. Students can also see the evaluated answer sheets if he/she is not satisfied by re-evaluation of answer sheet. 4. A period of 30 days (after dispatch) given to students for any correction required in the DMC.

Research and Development	<p>1. Awareness seminars being conducted regularly for faculty and research scholars to improve academic integrity and anti plagiarism checks on research publications and presentations. 2. Only publications which fall under UGC CARE group of journals are recorded officially and are utilized for decision making in faculty recruitment, promotions, minimum paper publication in Ph.D thesis and otherwise. 3. Research Presentations for progress reports in Ph,D are conducted twice in an academic year.</p>
Library, ICT and Physical Infrastructure / Instrumentation	<p>Library, ICT and Physical Infrastructure / Instrumentation: MMU has a Central Library and additionally each constituent department/institute has departmental library and provides to its students and staff a chance to explore a world of knowledge. Both the Central Library and departmental libraries are constantly equipped with latest arrivals. The Libraries of the Campus are Air conditioned and computerized. The increased hours accessibility to the Central Library with large number of books, journals, magazines, (fortnights, weeklies) and newspapers ensure full support to research-scholars, students and faculty. Library has a collection of good number of books meeting the requirement of students and faculty. The Library has a large number of printed volumes including books, textbooks, standards, journals, thesis dissertations. University library has the membership of DELNET that offers access to more than 11.11 million bibliographic records, 33916 union list of current periodicals, 20235 records of union catalogues of periodicals, 912042 records of periodical articles and 48621 records of thesis and dissertations held by 2134 libraries in India and 22 overseas libraries. New titles and volumes of text books are added every year continuously, by allocating required budget to procure books and journals. The E-Learning Centre in the library provides access to the online educational resources. There is lounge area for browsing/IT zone for accessing E-Resources and Audio-Visual Lab for online lectures. Library has online public access catalogue (OPAC), which is used to</p>

search books and other documents. Each department has maintained a departmental library for easy access to information resources. Adequate number of fire extinguishers, and lift (Elevator) for differently-abled users has also been provided. Besides this, University also stipulates hardcopies of journals, magazines, newspapers to keep scholars updated on recent advancements. E-learning is also provided by through NPTEL video lectures. Envisioned with the need of competitive job market, the library has well segregated space for book bank, reading section, reference section, and study section with reprography facilities. ICT enabled Classrooms are available with internet connectivity for faculty and students. Adequate number of sophisticated lab instruments for practical courses are made available to the students. The labs are strengthened every year with addition of new and latest instruments.

Human Resource Management

The University has a well monitored biometric identification system. Feed backs are taken periodically so as to maintain appropriate work environment at every stage. 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 upcoming 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 the 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.

Industry Interaction / Collaboration

At campus, the students are exposed to the rigorous training modules during their last years. The training has been designed as per the advancement in the market and need of the companies. The designed programme is manipulated based upon market need and technology advancement. Our aims to get ready the student to serve in the industry at campus and trained in the way that the industry hires them on priority basis. A plan is in progress to engage companies with cutting edge technology to share their expertise with the students of our institution by setting centre of Excellence, workshops/lectures etc. Top notched companies shall also be approached for job based training of our students.

Admission of Students

Information sharing through Digital Mediums like Facebook, You Tube, Twitter etc., Education Fairs, School Connect Programmes, Conducting Seminars/Workshops at neutral venues, Outreach programmes especially in rural pockets, Expert talks Through Radio/TV have been the strategies adopted for mass connect

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

E-governance area	Details
Planning and Development	1. Regular online Feedback is taken from students to identify the area of improvement. 2. Enterprise Resource Planning software is used 3. Parents of

	the students can also track the attendance of their ward online through University ERP system 4. Online grievance redressal mechanism is in place
Administration	1. Biometric attendance system is in operation and the same can be monitored through ERP system 2. Various informations are being circulated/collected through online mode with the use of GOOGLE SHEETS etc.
Finance and Accounts	All accounts related matters are taken care of with use of Accounts software TALLY.
Student Admission and Support	Availability of Prospectus through Website, Online filling of Application Forms and Documents, Online submission of Tuition fee and Hostel fee, 24x7 Toll-Free Support number. Biometric attendance system is in operation for students and they can monitor the same through ERP system. Calculation of student internal marks is in a transparent manner with the use of indigenous online mode.
Examination	1. For timely declaration of examination results of students and for preparing DMCs, more emphasis is being put on computerization work. 2. Date-sheet of end-semester examination is displayed on official website. 3. Students have been given full access through internet to contact exam branch for any of their problems like requirement of Duplicate DMC/Degree, Provisional Degree Certificate etc. It helps the students especially pass-out students to get their problem solved. 4. An ERP system is being installed very soon for paper free work in total. 5. Appointment of paper setter is made through panel of paper setters recommended by Board of Studies and approved by Academic Council. 6.The University has an agreement with INFLIBNET for uploading dissertations and Ph.D theses. 7. the University has also signed an MoU for uploading DMC/Degrees on National Academic Depository (NAD) portal.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended	Name of the professional body for	Amount of support
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		for which financial support provided	which membership fee is provided	
2018	Dr. Surbhi Soni	2nd International Conference on innovations in Chemical, Biological and Environmental Sciences	xxxxxx	2500
2019	Dr. Dharmbir Singh	7th International conference on Multidisciplinary Research	IEI, Chandigarh	2500
2019	Dr. Pratima	International Workshop on 'Climate Change and Extreme Events in Himalayan Region'	xxxxxxx	5000
2019	Dr. Chestha Kashyap	ICAESMT 2019	xxxxxxx	5500
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6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Faculty Development Programme on Teaching Pedagogy in digital Age: Opportunities and Challenges	Effective way of Using MS EXCEL	04/05/2019	15/06/2019	13	11
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration

Cloud Computing	1	27/05/2019	31/05/2019	05
Artificial Intelligence and Machine Learning	1	17/12/2018	21/12/2018	05
Teaching Pedagogy in Digital Age	4	04/05/2019	04/05/2019	01
NPTEL Online Certification Programmes: Effective Engineering Teaching in Practice	1	28/01/2019	22/02/2019	26
NPTEL Online Certification Programmes: Housing Policy and Planning	1	28/01/2019	22/03/2019	54
Teaching Pedagogy in digital Age: Opportunities and Challenges	13	04/05/2019	04/05/2019	01
No file uploaded.				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
23	23	5	5

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
1. Subsidised medical treatment at MM Hospital at Mullana, owned by MM Trust 2. Concession in school fee to the wards of the staff in any of the MM International Schools owned by MM Trust 3. Transport Facility on concessional rates from Chandigarh, Panchkula, Ladwa, Karnal, Kurukshetra, Yamunanagar, Ismilabad etc. 4. In campus residential facility at subsidised rates.	1. Subsidised medical treatment at MM Hospital at Mullana, owned by MM Trust 2. Concession in school fee to the wards of the staff in any of the MM International Schools owned by MM Trust 3. Transport Facility on concessional rates from Chandigarh, Panchkula, Ladwa, Karnal, Kurukshetra, Yamunanagar, Ismilabad etc. 4. In campus residential facility at subsidised rates.	1. Subsidised medical treatment at MM Hospital at Mullana, owned by MM Trust 2. Transport Facility on concessional rates from Chandigarh, Panchkula, Ladwa, Karnal, Kurukshetra, Yamunanagar, Ismilabad etc. 3. Subsidised boarding and lodging in Hostels. 4. Every year, Merit cum means scholarships are provided to Academically bright students.

6.4 – Financial Management and Resource Mobilization

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

External financial audit is conducted by approved Chartered Accountant at the end of each financial year.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
MMT	38570837	Payment
No file uploaded.		

6.4.3 – Total corpus fund generated

30000000

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	IQAC of MM(DU) , Mullana	Yes	IQAC, MMU-Sadapur
Administrative	Yes	IQAC of MM(DU) , Mullana	No	

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

NA

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

• The Parent – Teacher Association effectively works for the welfare of the students, and institutes. • It helps in the smooth working and the progress of the institute and for maintaining good discipline and high academic standards. PTA is arranged during orientation programmes to welcome the first year students and their parents on the day of commencement of the first year classes. • Regular Parents-Teacher Meetings (PTMs) are also conducted department-wise after every mid semester test (MST) to discuss the overall progress of the students with their parents. In general these meetings are fruitful to get feedback/suggestions from the parents, these feedbacks are further scrutinized and actions are taken for their implementations. The parents which are not available physically for such PTMs are also contacted telephonically by mentors to get their response. • Parents also share their feedback on academic and general facilities within the campus. The feedback is analyzed and remedial measures are taken to implement the suggestions given by parents.

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

? Workshop on "Effective use of Fire Fighting Equipment" was organised by School of Pharmacy on 12 Sep. 2018. ? Expert Lecture on Research Paper Research Report Writing using MS Word by Dr. Dinesh Gupta, Prof. Deptt. of Library Sciences, Kurukshetra University on 3rd April 2019. ? Workshop on "Effective way of Using MS EXCEL" was organised on 15 June 2019 for Administrative staff.

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

? Regular meetings with stake holders. ? Implementation of Choice Based Credit

System. ? Organising wide range of social activities on regular basis under NSS unit. ? MOOC Courses made available to students as offered by UGC. ? Remedial Classes are arranged for slow learners. ? Coaching for competitive examinations is arranged.

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	IQAC Meeting	25/07/2018	25/07/2018	25/07/2018	11
2018	IQAC Meeting	17/09/2018	17/09/2018	17/09/2018	11
2019	IQAC Meeting	11/01/2019	11/01/2019	11/01/2019	12
2019	IQAC Meeting	19/04/2019	19/04/2019	19/04/2019	11
2018	Academic Audit	14/05/2019	14/05/2019	18/05/2019	75
2018	Academic Audit	06/12/2018	06/12/2018	13/12/2018	72
2019	Review meetings with faculty	04/05/2019	23/07/2018	10/05/2019	37
2019	Meetings with students	15/02/2019	23/07/2018	10/05/2019	46
2018	Faculty induction Programme	21/07/2018	15/06/2018	10/05/2019	14
2019	Administrative Audit	15/05/2019	15/05/2019	16/05/2019	3
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Essay Writing Competition	09/10/2018	09/10/2018	8	5
Debate Competition on Gender Sensitization	30/01/2019	30/01/2019	10	3

Inter-House Debate competition on Women Empowerment	06/03/2019	06/03/2019	31	16
International Women's Day Celebration	08/03/2019	08/03/2019	10	4
Seminar on "Women Entrepreneurship in Patriarchal Society: Motivation and Challenges	30/03/2019	30/03/2019	100	32

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

Percentage of power requirement of the University met by the renewable energy sources
1.University have Solar panel plant of 500 KW capacity for generation of Green Energy to meet the power demand 2.Biogas Plant 3. Segregated waste Collection 4.VERMICOMPT UNIT for decomposition of Organic waste 5.Open and Closed composting unit for decomposition of different types of wastes produced in Campus 6. Sewage Treatment Plant for treatment of Effluents. 7. Sufficient Rain Water Harvesting wells are made available in the campus for recharging of the ground water

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	5
Ramp/Rails	Yes	10
Braille Software/facilities	No	0
Rest Rooms	Yes	10
Scribes for examination	No	0
Special skill development for differently abled students	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	3	2	04/12/2018	80	UBA, household village survey	Survey	60

2019	1	1	05/06/2019	1	World Environment Day, Tree Plantation	Save Environment	15
2019	1	1	29/06/2019	1	Seminar on Agro-food processing for students and farmers	Awareness on food processing	34
2019	1	1	30/06/2019	1	Kisan Ghosti	Educated farmers for agriculture related problems	175
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Human Values, Professional Ethics in Society and Higher Education	23/07/2018	It resulted in creating bonds of humanity between classmates, seniors and faculty members. Students were inspired to be accountable for their own actions and learnt to respect and treat others kindly. It also helped to work as a team member and explore new ideas.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Distribution of cloth and food items to needy children of labourers at construction site as Charitable Activity	09/08/2018	09/08/2018	7
Swachh Bharat Abhiyan	28/09/2018	28/09/2018	15
Rashtriya Ekta Diwas	31/10/2018	31/10/2018	59
A Visit to Kusht Ashram	25/01/2019	25/01/2019	22
Road Safety Awareness Drive	04/02/2019	08/02/2019	18

Saksharta Abhiyaan	15/04/2019	15/04/2019	11
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Best out of Waste activities at regular intervals 2. Eat right and Fitness program 3. Tree Plantation in Campus by students and staff 4. Production of chemical free vegetables 5. General cleaning camp like Swachh Bharat Abhiyan

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Mentoring system : Effective mentoring system is a regular practice of university for continuous improvement of education , proper record is maintained and action plan is implemented based on the analysis to improve and create effective learning environment by incorporation of more value added educational practices 2. Academic Audit: For improving academic standards, a very effective academic audit is conducted regularly. Course files are maintained by subject teachers clearly mentioning the Evaluation criteria , Lecture Plan , Books referred for the subjects , sample assignments , sessional question papers and Previous Year final question paper for reference apart from this study material from Educational sites Like NEPTel is maintained for quality teaching and helping students.

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

<https://www.mmambala.org/pdf/best-practices.pdf>

7.3 – Institutional Distinctiveness

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

The University has been working towards the overall development of the area. Under "Unnat Bharat Abhiyan", University has adopted five villages. NSS unit of University has conducted various social awareness programmes in the villages to aware the people about social schemes launched by the Government of India. University has initiated "Save Environment" campaign through following initiatives and activities: • Generating solar power and utilizing it within the campus. • Visiting nearby villages to interact with farmers and providing information on Government policies and other social initiatives. • Rain water harvesting. • Promoting organic farming through counselling sessions among farmers. • Helping farmers to setup vermi compost unit in villages.

Provide the weblink of the institution

<https://www.mmambala.org/pdf/institutional-distinctiveness.pdf>

8. Future Plans of Actions for Next Academic Year

1. To improve industry and academic interaction 2. Ensure participation of students in international and national conference/symposium /workshop 3. Conducting workshops and Symposium of national and international repute for exposure of students 4. Making more tie up with reputed industries and Leading institutes in India and Abroad for broader exposure of students 5. Up gradation of Laboratories by adding modern and scientific equipments 6. Conducting Faculty Development programmes for improvement and continuous learning of teaching staff. 7. Initiate internal academic audit of departments by IQAC. 8. Implementation of Research Promotion policy to promote research culture. 9. Organize Research sensitizing program for faculty and students. 10. Introduce Life Skills curriculum at UG level. 11. Apply for accreditation to ICAR. 12. Concentrating on

submission of more research projects to different national research funding agencies like ICAR, UGC, NABARD, DRDO etc.