



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution		MAHARAJA AGRASEN UNIVERSITY
Name of the head of the Institution		Rakesh Kumar Gupta
Designation		Vice Chancellor
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		01722772791
Mobile no.		9988186326
Registered Email		vc@mau.ac.in
Alternate Email		registrar@mau.ac.in
Address		Atal Shiksha Kunj, Kalujhanda Barotiwala
City/Town		Baddi Distt Solan
State/UT		Himachal pradesh
Pincode		174103

2. Institutional Status																			
University	Private																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	Self financed																		
Name of the IQAC co-ordinator/Director	Dr. Dharamveer																		
Phone no/Alternate Phone no.	09318029217																		
Mobile no.	9896214966																		
Registered Email	chairpersoniqac@mau.edu.in																		
Alternate Email	dharamveer.narwal@gmail.com																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	https://mau.ac.in/aqar/																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	https://mau.ac.in/notification-updates/																		
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B</td> <td>2.13</td> <td>2019</td> <td>18-Oct-2019</td> <td>17-Oct-2024</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B	2.13	2019	18-Oct-2019	17-Oct-2024
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	B	2.13	2019	18-Oct-2019	17-Oct-2024														
6. Date of Establishment of IQAC	06-Jul-2013																		
7. Internal Quality Assurance System																			
Quality initiatives by IQAC during the year for promoting quality culture																			
Item /Title of the quality initiative by IQAC		Date & Duration		Number of participants/ beneficiaries															
Court Visit to District & Session Court, Panchkula (HR)		18-Sep-2018 1		48															

Workshop on Publication Ethics and Writing a Research Grant Proposal	04-Oct-2018 1	35
Transformation of Business through Digitalization and Innovation: Revitalizing Economy by 2025	09-Oct-2018 1	80
International Conference of Pharmacology & Drug Discovery	04-Oct-2018 3	1040
National Seminar on Gender Inequality and child Abuse in India: Problems and Solutions	23-Mar-2019 1	162
Legal Aid Camp at The Nalagarh Truck Operator Union at Nalagarh, Solan HP	25-Feb-2019 1	45
Workshop on ROBOMECH by SIEMENS	13-Sep-2018 2	45
FDP on IPR-Aspect for business startups	10-Sep-2018 5	35
Stress Management Talk, FDP on Quality and Excellence in Teaching, Learning and Practices	10-Jul-2018 1	40
National Workshop on Research Methodology and Data Analysis	09-Jul-2018 7	48
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
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

Yes

decisions have been uploaded on the institutional website	
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	20000
Year	2018

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

IQAC coordinate various activities of the University which indeed enhance the facilitation for creating conducive teaching, learning and research environment. To attain the above said objective, IQAC regularly ensures: ? To review the feedback forms from all stakeholders and Analyze students result. ? Conducting meeting of BOS for updating curriculum ? Quality research publications ? Organize workshops, FDPs and Conferences. ? Mentoring system of the University.

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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
Strengthen the research activities	Appropriate facilities have been provided to the faculty members and students to enrich research activities
Conduct Workshops and Conferences	Workshops and Conferences are conducted at the University and School level from time to time
Faculty Development Programme	FDPs are conducted at the University and School level to enrich the faculty vitality in their key areas including teaching and research
Conduct Green Audit	Green Audit have been conducted in order to identify the environmental impact of university's actions and to ensure that all the laws and legislations are complied with.
Establishment of IIC	To create vibrant local innovation ecosystem. Start up sporting mechanism. To develop cognitive ability for technology students

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14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">Name of Statutory Body</th> <th style="width: 50%; text-align: center;">Meeting Date</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Board of Management, Maharaja Agrasen University-Baddi</td> <td style="text-align: center;">20-Mar-2021</td> </tr> </tbody> </table>		Name of Statutory Body	Meeting Date	Board of Management, Maharaja Agrasen University-Baddi	20-Mar-2021
Name of Statutory Body	Meeting Date				
Board of Management, Maharaja Agrasen University-Baddi	20-Mar-2021				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2019				
Date of Submission	26-Apr-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>Maharaja Agrasen University has an appropriate MIS system. Microsoft Teams is the platform used by the University. On the Instructions of the Directors, Head of Department prepare Online Time Table of each Class which is circulated to Faculty members and Students. IT Department handles the server and login accounts of all the faculty and students. Each student is given an id which is rollno@mau.edu.in along with the password by IT Department. Link is provided to each student to attend class from computer/laptop/mobile. Each teacher is given an id which is teachername@mau.edu.in along with a password by IT Department. The teacher organizes the online lecture by sending links. Portal is a dynamic one where students are being taught through Video Lectures. Two way communication is possible through Video Conferencing. Notes are being shared with students. Assignments are being given to students. MCQ's based tests are also conducted through this portal. A Bio metric system is also available in the University to mark the attendance of both teaching and non teaching staff. University also has a Microsoft Outlook facility in which all mails are sent to staff members and students through an</p>				

internal server. University has a fully accessed internet facility via LAN and WiFi system. IP enabled CCTV cameras have been installed on primary locations of the campus. IP enabled telephones are also put in the offices of the Vice Chancellor, Registrar, Deans, Directors, and other Dignitaries of the University. MIS also caters to the needs of the library by providing information support for research and educational purpose. Softwares like KOHA, Inlibnet, and Urkund(Original) are an intergral part of the library MIS.

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
MSc	PZL	ZOOLOGY	17/05/2018
MSc	PBT	BIO TECHNOLOGY	20/06/2018
BCom LLB	UCL	COMMERCE & LAW	15/05/2018
LLM	PLL	IPR LAW	15/05/2018
BCom	UCO	COMMERCE	15/05/2018
BTech	UEC	ELECTRONICS & COMMUNICATION	21/07/2018
Mtech	PEC	ELECTRONICS & COMMUNICATION	21/07/2018
BTech	UCS	COMPUTER SCIENCE	21/07/2018
BTech	UME	MECHANICAL ENGINEERING	21/07/2018
MBA	PBA	BUSINESS ADMINISTRATION	15/05/2018

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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
MSc	Chemistry	02/07/2018	Inorganic Chemistry VIII MCHE441	07/08/2018
MSc	Bio-Technology	02/07/2018	Immunology and immune technology MBT-203	20/06/2018
MSc	Zoology	02/07/2018	Lab Course	17/05/2018

			Based on cytogenetics MZOO 106	
BPharm	Pharmacy	02/07/2018	Pharmaceutical Organic Chemistry II (BP301T)	06/08/2018
BCom	Commerce	02/07/2018	Goods & Service Tax(BC-501)	15/05/2018
Mtech	Electronics & Communication Engineering	02/07/2018	ECE-902(Image and Video Processing)	21/07/2018
PhD or DPhil	Electronics & Communication Engineering	02/07/2018	ECE-902(Advanced Computer Networks)	21/07/2018
MSc	Chemistry	02/07/2018	Physical Chemistry VIII MCH442	07/08/2018
MSc	Zoology	02/07/2018	Biostatistics and computer applications MZOO-202	17/05/2018
BPharm	Pharmacy	02/07/2018	Pharmaceutical Microbiology (BP303T)	06/08/2018
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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
No Data Entered/Not Applicable !!!		
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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
No Data Entered/Not Applicable !!!		

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
Workshop on Tally	04/09/2018	20
Workshop on SPSS	04/09/2018	40
English speaking Soft Skill	02/07/2018	34
English speaking Soft	01/01/2019	44

Skill

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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
BA LLB	LAW	23
BPharm	PHARMACY	56
MBA	BUSINESS ADMINISTRATION	42
BBA	BUSINESS ADMINISTRATION	18
BHM	HOTEL MANAGEMENT	22
MTTM	TRAVEL & TOURISM	9
BTech	ELECTRICAL & ELECTRONICS	12
BTech	CIVIL ENGINEERING	23
BTech	MECHANICAL ENGINEERING	37
BTech	ELECTRONICS & COMMUNICATION	4

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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

Maharaja Agrasen University has a formal mechanism to obtain feedback from all stakeholders regarding the curriculum and other facilities. Feedback from Students: Student feedback is taken at the end of the semester. A structured questionnaire consisting of questions related to curriculum, teaching-learning paradigm is prepared at 5 Likert scales. Open-ended questions related to the introduction of any subject, change in the content of any subject are also part of this questionnaire. Apart from the teaching-learning indicators, questions are also asked about general facilities like Library, Hostel, Internet, Medical, Mess, Sports, Transportation, etc. in order to seek the satisfaction level of students. Feedback from Faculty: After the end of every semester, Feedback about the curriculum is taken from the faculty member and the same is incorporated in the updating and designing curriculum. Providing congenial, creative and healthy environment to the faculties feedback regarding available facilities in the University is continuously taken at the end of each semester. The feedbacks are duly considered by the university management time to time for further improvement. Feedback from Parents: MAU takes the feedback from the parents about accomplishment of their expectations from the University. This is done by sending feedback form to the parents and after filling the same they

send back. Feedback from Employer/ Industry: We have a prescribed format for taking the employer feedback. Feedback about the student performance, their expectations and industry-academia gap is taken as and when the delegates from Industry visit the University for Campus Placements. The university welcomes the suggestions for bridging this gap. Feedback from Alumni: University also takes the feedback from the passed-out students. Feedback from the alumni is taken during Alumni meets regarding the latest/innovative contents of the industrial practices, so that the same can be implemented in the University. The IQAC analyze the feedback forms and recommend for any changes/ up gradation, if necessary.

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
BSc	Non-Medical	60	37	37
BSc	Medical	40	14	14
BPharm	Pharmacy	60	60	60
BTech	CSE	60	50	50
LLM	Law	30	30	30
LLB	Law	60	27	27
BHMCT	Hotel Management	40	14	14
MBA	MBA	90	75	75
BBA	BBA	60	44	44
BCom	B.COM	60	59	59

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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	1816	431	42	Nil	144

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
144	144	20	40	2	13

[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)

Objectives of the Practice: ? Provide carrier counseling and guidance to the students. ? Handling their problems and grievances. ? Intimate the parents of students through telephone time to time. ? Develop a sense of responsibility among the students. ? Motivate the students to take participate in curricular and extra-curricular activities. ? Keeping the complete record of the students. The practice: Mentoring committee of the University allocates and displayed the mentor-mentee list at the beginning of every semester. Every faculty member is allocated 15-20 students as the mentee. Faculty members are supposed to take at least two meetings with their respective mentees in a month. These meetings are arranged to counsel the students or to overcome their problems if any. Mentors are also responsible to communicate with the parents regarding the performance of the students at least once a month. While allocation is done, efforts are made to keep the same students as a mentee to the same mentor during the complete tenure of the course.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2247	144	1:16

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
226	144	82	21	58

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. Urvashi Tandon	Assistant Professor	Outstanding Paper by Emerald publishing
2018	Dr. Kailash Chandra Yadav	Assistant Professor	Young Scientist Award
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BCom	UCO	VI/2019	30/05/2019	02/07/2019
BBA	UBA	VI/2019	30/05/2019	15/06/2019
MBA	PBA	IV/2019	30/05/2019	15/06/2019
BA LLB	UBL	X/2019	31/05/2019	13/06/2019
LLB	ULL	VI/2019	23/05/2019	13/06/2019
BTech	UCS	VIII/2019	04/07/2019	13/07/2019
BPharm	BPH	VIII/2019	03/06/2019	15/06/2019
BSc	USM	VI/2019	23/05/2019	12/06/2019

BHMCT	UBH	VIII/2019	10/07/2019	15/07/2019
MSc	PCM	IV/2019	23/05/2019	12/06/2019
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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
Nil	1705	0

2.6 – Student Performance and Learning Outcomes

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

<https://mau.ac.in/program-objectives-program-specific-objectives-and-course-objectives/>

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
BPH	BPharm	PHARMACY	31	24	77
UEC	BTech	CE	24	24	100
UCS	BTech	CSE	29	28	97
PPH	MSc	PHYSICS	12	12	100
USM	BSc	MEDICAL	12	11	92
PLL	LLM	LAW	24	24	100
UBL	BA LLB	LAW	24	23	96
UBH	BHMCT	HOTEL MANAGEMENT	13	10	77
PBA	MBA	BUSINESS ADMINISTRATION	44	44	100
UBA	BBA	BUSINESS ADMINISTRATION	18	12	67

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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://mau.ac.in/notification-updates/>

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	Name of the award	Date of award	Awarding agency
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fellowship			
No Data Entered/Not Applicable !!!			
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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 Aid- Maharaja Agrasen University	1095	Maharaja Agrasen University-Baddi
Research Aid- Maharaja Agrasen University	1095	Maharaja Agrasen University-Baddi
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3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Industry sponsored Projects	365	Crenza Pharmaceuticals Private Limited, Hyderabad Telangana	2	2
Projects sponsored by the University	365	Maharaja Agrasen University	6.75	6.75
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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
FDP on IPR-Aspect for business startups	Maharaja Agrasen University-Baddi	10/09/2018
No file uploaded.		

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
Analysing Customers Satisfaction: Users Perspective towards online shopping	Dr. Urvashi Tondon	Emerald Publishing	02/07/2018	Outstanding Paper
Young Scientist of the year 2018	Dr. Kailash Chandra Yadav	International Foundation for Environment Ecology, Kolkata	02/07/2018	Young Scientist Award

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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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
School of Law	1
School of Management	2

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)
International	School of Basic Applied Sciences	7	2.46
National	School of Law	3	0
International	School of Law	2	0
International	Maharaja Agrasen Institute of Technology	23	2.83
International	School of Management	8	0
National	School of Pharmacy	2	0
International	School of Pharmacy	10	2.74
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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
School of Management	6
Maharaja Agrasen Institute of Technology	6
School of Law	9
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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Portable desktop milling CNC machine made of plywood	Filed	294569	12/06/2019
44 and 33 Switching Element	Filed	201911012996A	31/03/2019

Configuration

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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
An overview on mixture design of self-compacting concrete.	Deepankar Kumar Ashish	Structural Concrete	2019	18	Department of Civil Engineering, Maharaja Agrasen Institute of Technology, Maharaja Agrasen University, Baddi, India	18
High Strain Rate Behavior of Epoxy Graphene Oxide Nano composites	Dr. Suneev Anil Bansal	International Journal of Applied Mechanics 10(1) SCI (IF1.9)	2018	26	Department of Mechanical Engineering, Maharaja Agrasen University, Baddi, Himachal Pradesh, 174103, India	26
Ytterbium-Doped ZnO Flowers Based Phenyl Hydrazine Chemical Sensor	Y. Al-Hadeethi, A. Umar, Kulvinder Singh, A. A. Ibrahim, S. Al-Heniti, B. M. Raffah	Journal of Nanoscience and Nanotechnology	2019	5	Department of Chemistry, School of Basic and Applied Sciences, Maharaja Agrasen University, Baddi 174103, India	4
Biosynthesis of silver nanocrystals, their	S. Sangar, S. Sharma, V.K. Vats, S.K.	Journal of Cleaner Production	2019	10	Department of Chemistry, School of	5

kinetic profile from nucleation to growth and optical sensing of mercuric ions	Mehta, Kulvinder Singh				Basic and Applied Sciences, Maharaja Agrasen University, Baddi 174103, India	
Facile synthesis of sulfur and nitrogen codoped graphene quantum dots for optical sensing of Hg and Ag ions	E. Sharma, D. Vashisht, A. Vashisht, V.K. Vats, S.K. Mehta, Kulvinder Singh	Chemical Physics Letters	2019	10	Department of Chemistry, School of Basic and Applied Sciences, Maharaja Agrasen University, Baddi 174103, India	5
Reinforcing Graphene Oxide Nanoparticles to Enhance Viscoelastic Performance of Epoxy Nanocomposites	Dr. Suneev Anil Bansal	Journal of Nanoscience and Nanotechnology 19(19):4000-4006 SCI(1.0)	2019	25	Department of Mechanical Engineering, Maharaja Agrasen University, Baddi, Himachal Pradesh, 174103, India	25
Concrete made with waste marble powder and supplementary cementitious material for sustainable development.	Deepankar Kumar Ashish	Journal of Cleaner Production	2019	34	Department of Civil Engineering, Maharaja Agrasen Institute of Technology, Maharaja Agrasen University, Baddi, India	34
Experimental study to prevent the	Kunal Singh	Springer) International	2018	18	Department of Mechanical	18

warping of 3D models in fused deposition modeling		Journal of Plastics Technology			Engineering, Maharaja Agrasen University, Baddi, Himachal Pradesh, 174103, India	
Bearing ratio and leachate analysis of pond ash stabilized with lime and lime sludge	Dr. ManjushuSuthar	Journal of Rock Mechanics and Geotechnical Engineering	2018	10	Department of Civil Engineering, Maharaja Agrasen Institute of Technology, Maharaja Agrasen University, Baddi, India	10
Cementing efficiency of flash and rotary calcined metakaolin in concrete.	Deepankar Kumar Ashish	Journal of Materials in Civil Engineering	2019	6	Department of Civil Engineering, Maharaja Agrasen Institute of Technology, Maharaja Agrasen University, Baddi, India	6
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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
Concrete made with waste marble powder and supplementary cementitious material for sustainable deve	Deepankar Kumar Ashish	Journal of Cleaner Production	2019	173	34	Department of Civil Engineering, Maharaja Agrasen Institute of Technology, Maharaja Agrasen Un

lopment.						iversity, Baddi, India
Determin ation of optimum mixture design method for self- compacting concrete: Validation of method with exper imental results.	Deepankar Kumar Ashish	Construc tion and Building Materials	2019	170	3	Department of Civil E ngineering , Maharaja Agrasen Institute of Technol ogy, Maharaja Agrasen Un iversity, Baddi, India
High Strain Rate Behavior of Epoxy Graphene Oxide Nano composites	Dr. Suneev Anil Bansal	Internat ional Journal of Applied Mechanics 10(1) SCI (IF1.9)	2018	35	26	Department of Mechanical Engineerin g, Maharaja Agrasen Un iversity, Baddi, Himachal Pradesh, 174103, India
Hit opti mization studies of 3-hydroxy- indolin-2- one analogs as potential anti-HIV-1 agents	S. Chander	Bioorganic Chemistry	2018	55	5	Maharaja Agrasan School of Pharmacy, Baddi, Himachal Pradesh
Highly Sensitive Enzyme- Less Glucose Biosensor Based on ?- Fe2O3 Nano particles	A. Umar, Kulvinder Singh, S. K. Mehta, H. Fouad, and O.Y. Allothman	Nanoscie nce and Na notechnolo gy Letters	2018	28	7	Department of Chemistry, School of Basic and Applied Sciences, Maharaja Agrasen Un iversity, Baddi 174103, India
Highly	Y. Al-	Journal	2019	95	1	

Sensitive Picric Acid Chemical Sensor Based on Samarium (Sm) Doped ZnO Nanorods	Hadeethi, A. Umar, Kulvinder Singh, A. A. Ibrahim, H. S. Al-Heniti, B.M. Raffah, A. Cochis	of Nanoscience and Nanotechnology				Department of Chemistry, School of Basic and Applied Sciences, Maharaja Agrasen University, Baddi 174103, India
Ytterbium-Doped ZnO Flowers Based Phenyl Hydrazine Chemical Sensor	Y. Al-Hadeethi, A. Umar, Kulvinder Singh, A. A. Ibrahim, S. Al-Heniti, B. M. Raffah	Journal of Nanoscience and Nanotechnology	2019	101	4	Department of Chemistry, School of Basic and Applied Sciences, Maharaja Agrasen University, Baddi 174103, India
Biosynthesis of silver nanocrystals, their kinetic profile from nucleation to growth and optical sensing of mercuric ions	S. Sangar, S. Sharma, V.K. Vats, S.K. Mehta, Kulvinder Singh	Journal of Cleaner Production	2019	173	5	Department of Chemistry, School of Basic and Applied Sciences, Maharaja Agrasen University, Baddi 174103, India
Facile synthesis of sulfur and nitrogen codoped graphene quantum dots for optical sensing of Hg and Ag ions	E. Sharma, D. Vashisht, A. Vashisht, V.K. Vats, S.K. Mehta, Kulvinder Singh	Chemical Physics Letters	2019	229	5	Department of Chemistry, School of Basic and Applied Sciences, Maharaja Agrasen University, Baddi 174103, India

Electron transport and thermo electric performance of defected monolayer MoS ₂	Munish Sharma, A. Kumar, P.K. Ahluwalia	Physica E: Low Dimensional Systems and Nanostructures	2019	88	3	Department of Physics, School of Basic and Applied Sciences, Maharaja Agrasen University, Baddi 174103, India
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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	6	7	Nil	Nil
Presented papers	4	32	Nil	Nil
Resource persons	3	4	Nil	Nil

No file uploaded.

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Maharaja Agrasen Institute of Technology	IT Solutions	Lehri Solutions Pvt. Ltd.	25000
Maharaja Agrasen School of Management	Resource Management	XEAMS Ventures	25000

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

Name of the Consultant(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Dr. Mona Piplani (MASOP)	Good Laboratory Practices	NDB Healthcare ltd. Parwanoo	32000	8
Mr. Pankaj Nanglia (MAIT)	Link Budgeting Transmission Planning	Ceregon Network	48000	8

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3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
NSS volunteer visit to Blind school Sector 26, Chandigarh	Maharaja Agrasen University	2	40
NSS Camp	Maharaja Agrasen University	6	94
Health checkup camp Patient Counseling	Maharaja Agrasen University	5	92
Blood donation Camp (NSS NCC)	Maharaja Agrasen University	4	56
Legal aid	Maharaja Agrasen School of Law	4	50
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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
Project Development	SMART INDIA HACKTHON-2019	MINISTRY OF AYUSH (GOVERNMENT OF INDIA)	5
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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/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Environmental Awareness	Maharaja Agrasen University	International environment day	6	43
Health Awareness	Maharaja Agrasen University	Walkathon for Healthy and Stress Free Life	8	226
Aids Awareness	Maharaja Agrasen University	Anti Drug Campaign	12	345
Swachh Bharat	Maharaja Agrasen University	Swatch Bharat Pakhwada	4	96
Tree Plantation	Maharaja Agrasen University	Tree Plantation Drive	4	60
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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
No Data Entered/Not Applicable !!!			
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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
Industrial Training	Internship	Satluj Jal Vidyut Nigam Limited	15/07/2018	15/12/2018	1
Industrial Training	Internship	SML ISUZU Limited	15/07/2018	15/12/2018	1
Industrial Training	Internship	Himachal Pradesh Power Corporation Limited.	20/01/2019	20/07/2019	2
Industrial Training	Internship	Ripton Solutions Inc.	01/06/2018	15/07/2018	11
Industrial Training	Internship	Neo Majestic Hotel , Goa	01/06/2018	15/07/2018	6
Industrial Training	Internship	Himalayn Trips, Shimla	20/01/2019	20/07/2019	3
Industrial Training	Internship	H.P.P.W.D	20/01/2019	20/07/2019	7
Industrial Training	Internship	Delbrec Industries Pvt Ltd.	20/01/2019	20/07/2019	4
Industrial Training	Internship	COSCO (INDIA) LIMITED	20/01/2019	20/07/2019	5
Industrial Training	Internship	Best Western Maryland, Zirakpur	20/01/2019	20/07/2019	3

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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
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			students/teachers participated under MoUs
Himalayan Forest Research Institute, Shimla (HP)	18/03/2019	Research activities for Scholars, MSc and BSc students	2
Red Hat Academy	10/09/2018	Industry academia cooperation to further upgrade the skills and employability of professionals, so trained by the academic institutions	2
No file uploaded.			

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
250	244.02

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Koha	Fully	18.05.08.000	2013

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
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Text Books	18458	11477198	762	477774	19220	11954972
e-Books	290332	46000	1080	Null	291412	46000
Journals	38	18762	5	924	43	19686
e-Journals	40510	46000	837	Null	41347	46000
CD & Video	157	Null	3	Null	160	Null
Library Automation	1	Null	Null	Null	1	Null
No file uploaded.						

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
Dr. Vishal Kumar	Organisational Behaviour: Meaning and Concept	MOOCs	01/08/2018
Dr. Vishal Kumar	Roles and Skills of Manager	MOOCs	08/08/2018
Dr. Vishal Kumar	Field of OB: Individual groups and System as building blocks	MOOCs	15/08/2018
Dr. Vishal Kumar	Evaluation of Organisation Behaviour	MOOCs	22/08/2018
Dr. Vishal Kumar	Perception and Personality	MOOCs	29/08/2018
Dr. Vishal Kumar	Learning: Concept and Theory	MOOCs	05/09/2018
Dr. Vishal Kumar	Attitude: Meaning and Concept	MOOCs	12/09/2018
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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	474	9	474	2	2	5	1	60	0
Added	0	0	0	0	0	0	0	0	0
Total	474	9	474	2	2	5	1	60	0

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

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
Paperback Book Titled Implementing RDBMS using Oracle	https://www.amazon.com/Implementing-RDBMS-using-Oracle-Vineet/dp/1076801676/ref=tmm_pap_swatch_0?encoding=UTF8&qid=1620799417&sr=8-5
Kindle Book Titled https://www.amazon.com/Implementing-RDBMS-using-Oracle-Vineet/dp/1076801676/ref=tmm_pap_swatch_0?encoding=UTF8&qid=1620799417&sr=8-5	https://www.amazon.com/Implementing-RDBMS-using-Oracle-Vineet-ebook-dp-B07TPFB4MH/dp/B07TPFB4MH/ref=mt_other?encoding=UTF8&me=&qid=1620799417
DLP Projector 1, Screen 1, UPS 1, Audio Amplifier 1, Audio Mixer 1, Speakers 2, Wireless Mic. 1, Recording Camera 1, Tripod 1	https://youtu.be/TVZbDfeny00
DLP Projector 1, Screen 1, UPS 1, Audio Amplifier 1, Audio Mixer 1, Speakers 2, Wireless Mic. 1, Recording Camera 1, Tripod 1	https://youtu.be/UArtrxCc_Jo
DLP Projector 1, Screen 1, UPS 1, Audio Amplifier 1, Audio Mixer 1, Speakers 2, Wireless Mic. 1, Recording Camera 1, Tripod 1	https://youtu.be/JmMfu_v2HRo https://odp.inflibnet.ac.in/index.php/module_details?course=tourism%20planning%20and%20sustainable%20development&source=swayam&subsource=UGC
Column Chart in Excel	https://www.youtube.com/watch?v=d5cDCRAWs5g
Bar Chart / Bar Graph in Excel	https://www.youtube.com/watch?v=0IeSnq3Fw5Q

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
275	285.26	125	131.12

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)

Having adequate infrastructure is not enough for the effective functioning of the University, but regular maintenance and periodic replenishment of infrastructure is essential. The University has allocated sufficient resources for regular upkeep of the infrastructure. The University has a structured system for the creation and maintaining of infrastructure to facilitate effective teaching and learning. The University has the policy of replacing or upgrading the existing equipment's/systems to meet the changes in the syllabus

made by the university from time to time. The University has an estate officer and other supporting staff to look after the maintenance of infrastructure like buildings, classrooms, laboratories, hostels, etc. The University has a sewerage treatment plant, where the treated water could be used for irrigation purposes. Many initiatives have been undertaken to improve the physical ambiance in the University. There have been tree plantation drives in the University to enhance its green cover. University has its committees to ensure the proper look after the infrastructure. Those are as follows: 1. Technical Committee: Roles and Responsibilities of the technical committee are as follows: • Planning and conduction of technical lectures and seminars etc. • Conduction of workshops and conferences. • Technical committee will advise on technical aspects of policy development and advising on technical guidance. • Technical committee will work to strengthen academic research. • It will provide guidance, advise responses on technical matters as per the University charter. 2. Transport Committee: A committee has also been constituted for the day-to-day maintenance of the University vehicles. The Transport committee functions in University with AC and Non-AC buses to provide transport facility to students and staff from various places. This is a boon for the day scholars, hostlers, and staff coming from different localities as they can reach the campus in time. 3. Sports Committee: Responsibilities of the Sports Committee: 1. Keep the record of previous and current years' sports goods. 2. Committee works to Place order for sports goods on basis of quotations. 3. Work to arrange the venues for sports events. 4. Plan to organize different sports activities. 5. Take permission to hold sports events on the University campus. 6. Take steps to conduct intra-oriented- college sports events. 7. Resolve any sports-related issues (team selections, objections, quarrels, etc.) 8. Keep records of reports of sports events participated outdoor or in the University. 9. Prepare strategies for the participation in sports events outside the University

<https://mau.ac.in/procedure-policy-for-physical-academic-and-support-facilities/>

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	MAU Scholarship/ Financial Support to Students	1762	30439916
Financial Support from Other Sources			
a) National	Institute of Technology	2	198000
b) International	NIL	Nil	Nil
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Personality Development	01/08/2018	442	School of Management, MAU
Personality Development	01/08/2018	87	School of Pharmacy, MAU

Competitive Examination classes	01/08/2018	140	School of Management, MAU
Competitive Examination Classes	01/08/2018	23	School of Pharmacy, MAU
Career counselling	01/08/2018	31	School of Pharmacy, MAU
Personal counselling	01/08/2018	40	School of Management, MAU
Personality Development	20/08/2018	75	Institute of Technology, MAU
Personal counselling	03/09/2018	75	Institute of Technology, MAU
Personality Development	01/08/2018	331	School of Basic and Applied Science, MAU
Competitive Examination classes	01/08/2018	107	School of Basic and Applied Science, MAU
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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 Competitive Exam Class	270	221	4	132
2019	Technical Communication Skills	55	50	3	72
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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
12	12	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
45	191	184	32	62	62

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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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	1	M.Sc Chemistry	Chemistry	Maharaja Agrasen University, Baddi	Ph.D
2018	2	M. Sc Physics	Physics	Maharaja Agrasen University, Baddi	Ph.D
2018	8	BALLB	LAW	Maharaja Agrasen University, Baddi	LLM
2018	3	B. Tech	MAIT	Maharaja Agrasen University, Baddi	M.Tech
2018	1	B. Pharmacy	Pharmacy	Panjab Uni versity- Chandigarh	M. Pharmacy
2018	4	B.Com (H)	Commerce	Panjab Uni versity- Chandigarh	M.COM
2018	5	B.Com (H)	Commerce	Maharaja Agrasen University, Baddi	MBA
2018	1	BBA	Management	University of Delhi	M.A Buddhist studies
2018	1	BBA	Management	L.R Institute of Management	MBA
2018	5	BBA	Management	Maharaja Agrasen University, Baddi	MBA

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	4
SET	1
GMAT	1

Any Other	1
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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
National Waters fay	University	634
Teacher's Day	University	1269
Farewell	Department	618
Diwali Celebrations	Department	731
Sports Meet Hunar Literary Fest	University	611
Baisakhi (Cuisine Competition)	Department	212
Walkathon for Healthy and Stress Free Life held on 6th Oct., 2018	Department	226
National Pharmacy Week (18th -24th Nov., 2018)	Department	326
Engineers Day	Department	256
Children Day	Department	875
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	I Position	National	1	Nil	MAU17PBA013, MAU17PBA002, MAU16UBA017	Akshay, Neetin Mehta, Mohil Thakur
2018	I Position	National	1	Nil	MAU17PBA002, MAU16UBA017	Neetin Mehta, Mohil Thakur
2018	Winner	National	1	Nil	MAU17PBA002, MAU16UBA017, MAU17PBA013 MAU17PBA001	Neetin Mehta, Vishal Chauhan, Mohil thakur, Puneet Sharma
2019	Winner	National	1	Nil	MAU17PBA002, MAU16UBA017	Neetin Mehta, Mohil thakur

2019	Algorithm 2018 picraaz	National	Nil	1	MAU15UBL 041	SHASHANK GUPTA
2018	II Position	National	1	Nil	MAU17PBA 011, MAU16 UBA017, MA U17PBA002, MAU17PBA01 3	Vishal Chauhan, Mohil thakur, Akshay, Neetin Mehta
2018	I Position	National	1	Nil	MAU17UCO 034, MAU17 UCO015, MA U15UAR010	Gargi, Akanksha Parmar, Jyoti
2019	I Position	National	1	Nil	MAU17PBA 002, MAU16U BA017, MAU 17PBA011 M AU17PBA001 , MAU18PBA 014, MAU17P BA013	Neetin Mehta, Vishal Chauhan, Akshay, Rohit, Arun, Mohil Thakur, Amit Kumar, Puneet Sharma
2019	I Position	National	1	Nil	MAU17PBA 001, MAU18 PBA014 MAU1 6UBA017	Puneet Sharma, Amit Chandel, Mohil Thakur
2018	I Position	National	1	Nil	MAU18PBA 014, MAU16U BA017, MAU 17PBA002 MA U17PBA011, MAU17PBA00 1	Amit Chandel, Neetin Mehta, Vishal Chauhan, Mohil thakur, Puneet Sharma

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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)

Student's voice significantly contributes to the growth and development of the University. Therefore, students must be allowed to express their views on various issues of concern in the University system. It is equally important that they are listened to and encouraged to take an active part in promoting the aims and objectives of the University. University has established the Central Students Council (CSC) at the central level and School Students Council (SSC) in each school. University facilitates the students to actively

participate in various activities through student council. Keeping in view, the academics and cultural involvement of the students, the teacher-in-charge of the particular class recommends the names of the students to be nominated as Class Representatives (CR) in the School Student Council to the Director of the concerned school. Out of these class representatives, the Director at his/ her discretion nominates two members to the Central Students Council (CSC). The nominated class representatives participate and inform the class about the University activities related to academics, co-curricular, and extra-curricular activities. MAU-SSC has members from all the departments of the school and they significantly contribute towards various tasks assigned. Students' council acts as the motivator for other students to take part in the activities conducted by the University. The students' council is a strong connecting link between faculty, students, and the administrative office. Student Council provides necessary support to the council members in organizing and coordinating the events. It encourages the students to develop their leadership skills through various activities viz. Organization of Fresher's Party, Farewell Party, Annual Fest, National, and International event celebrations, Social awareness programs, etc. The class representatives help ensure the participation of their classmates in various academic, cultural, and sports activities conducted by the concerned School. Composition of Central Students Council: The Dean, Student's Welfare (DSW) will be the Head of the Students Council. The Student Council will have an Executive Committee which consists of the following Office Bearers, Presidents Vice President Secretary Joint Secretary Members to be nominated from amongst Department Representatives from each school. School Student Council in the year 2018-19, helped in organizing the following activities in the School of Management: • Teacher's Day • Diwali Celebrations • Baisakhi Celebrations • Farewell Party • Guest Lectures School Student Council in the year 2018-19, helped in organizing the following activities in the School of Pharmacy: • Teacher's Day • Walkathon for Healthy and Stress-Free Life • National Pharmacy Week • Farewell Party School Student Council in the year 2018-19, helped in organizing the following activities in the Institute of technology: • Teachers Day • Engineers Day • Guest Lectures School Student Council in the year 2018-19, helped in organizing the following activities in the School of Law: • Teacher's Day • Children's Day

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

5.4.2 – No. of registered Alumni:

560

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

56000

5.4.4 – Meetings/activities organized by Alumni Association :

5

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

Practice 1: The University has transformational decentralization and participative management practices spread from Students to Industry

Representatives. This is evident in such a way that the students are members of the Placement Committee, Class Representatives, Coordinators of Sports and Cultural activities. The faculty members can initiate their insights about the Course Curriculum as Members of the Academic Council, Board of Studies, Administrative and Technical Committee, Member of DRC, etc. Practice 2: The University works on the principle of decentralization where all stakeholders are given equal opportunity. Academic Experts from outside the University are also the member of BoS and Academic council. Likewise, Regular feedback about the Course Curriculum is taken from Industry Experts, Alumni, and Parents of the students. The faculty members have been provided full autonomy to organize any activities or invite experts from Industry and Academia for smooth conducting of the events.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	<p>The curriculum of all courses is drafted as per the model curriculum prescribed by the regulatory bodies along with the requirement of the Industry. After the end of every semester, feedback about the curriculum is taken from the students and faculty members. Feedback from Industry representatives is also taken from time to time. The proposed improvement and changes are first examined by the IQAC and the Director of the concerned School. Then the same is/are put in the Departmental BoS (Board of study) meeting, where internal members and external members from other Universities discuss the proposed changes. The recommendations of BoS are placed in the meeting of the Academic Council where the experts from academic and industry review the suggested matter before final approval. The review and up-gradation are done periodically in the University depending on the suggestion of all stakeholders. To augment the curriculum school conducts several value-added courses. Students are asked to present seminars on new developments during class hours. Further, extra practical labs are conducted to prepare students for exams. Industrial visits are organized for students to let them know things practically through interaction, working methods, and employment practices.</p>
Teaching and Learning	The University follows the Academic

Calendar prepared well in advance before the commencement of the session. Experts from the Academic and industry are also invited from time to time for covering the practical and technical aspects of the subjects. Every faculty member acts as a mentor of 15-20 students as well, who conducts the meeting with students periodically and communicates with their parents about the performance of their ward regularly. Industrial visits are arranged continuously to develop the management skills of the students especially required in the practical implementations of the learned theoretical concepts. For better teaching and learning Microsoft Teams learning management system is used. The platform is used for uploading PPTs, preparing question papers, model answers, conducting mock quizzes, giving assignments, etc. Students are motivated to give seminars on the latest developments in the topics being studied. The student works on mini projects from the second year onwards. Personality Development Practice (PDP) sessions are also organized for the students in each semester for the overall holistic development of the students including their complete personality enhancement, which includes the sessions for enhancing their soft skills. In addition to the conventional teaching methods, innovative and ICT-based teaching-learning methods are also adopted. The University is running syllabi under the Choice Based Credit System (CBCS) to ensure the outcome-based curriculum and to promote employability.

Examination and Evaluation

The University follows a well-balanced evaluation process concerning both the theoretical and the practical prospects. The credit-based evaluation system is followed by the University. The whole evaluation process is achieved through a mix of internal and external evaluations. The internal evaluation includes attendance, assignments, midterm assessments, class participation, internal practicals, etc., while the external evaluation includes theory examination, external practicals, internships, research projects, etc. Mock tests are conducted to prepare the students for the final

examination. The paper setter is appointed by the Controller of Examination in consultation with the Vice-Chancellor. Full confidentiality is maintained while sending a question paper for setting. The answer sheet of the students is marked with a security code for sake of hiding the identity of the students.

Research and Development

The University has a well-defined policy for the promotion of research and innovation activities. The Departmental Research Committee (DRC) monitors the research work of the scholars of the department. The committee evaluates the worth and can make necessary recommendations in the research work of the scholars. To encourage the faculty members towards research activities, Financial and non-financial support are also provided. An IPR cell has also been constituted to promote research activities. Maharaja Agrasen University has successfully established the Institute Innovation Council (IIC) on 21 st November 2018 as per the norms and directives of Innovation Cell, Ministry of Education, Government of India for motivating Innovation and Implementation among students.

Library, ICT and Physical Infrastructure / Instrumentation

University has a spacious and well-furnished library equipped with all kinds of textbooks, reference books, magazines, and reputed national and international Journals, with separate reading rooms, digital library with access to e-journals, e-books, case studies, articles, and research papers. The central library of the University has more than 18,000 textbooks besides the accessibility of e-books. University has a modern library with KOHA software, DELNET, Manupatra, and National Digital Library facility. University uses the plagiarism detection software named Urkund as a tool for the detection of plagiarism in research articles, thesis, and papers. University has signed MoU with Information and Library Network Centre under UGC. The thesis and dissertations of research scholars of the University are submitted into the central repository 'Shodhganga'. University is fully Wi-Fi with adequate firewall and security measures like Nebero. 455

Computer Systems are installed in the University. The student to computer ratio is 1:4. LAN Connection with fiber optic cables and coaxial cables (CAT-6) is available throughout the Campus. A bandwidth of 60 Mbps is available for accessing the web. 48 printers are available in the University including one colored printer. 13 Uninterrupted Power supplies are available within the Campus. The total land of the University is 12.65 Acre and the total covered area is 70146 Sq.mtr. The University has a well-furnished infrastructure having 112 classrooms, 58 laboratories, 4 seminar halls with ICT teaching aids.

Human Resource Management

At the end of every academic year, the Schools send the requirement of Faculty to the HR Department of the university. Based on such requirements, posts are advertised in various newspapers and university websites. The candidates are shortlisted and called for an interview on a specified date. The interview panel comprises of Director of the Department, Professors, HoD, and experts from other universities. Minimum Qualification: The procedure and guidelines prescribed by AICTE, UGC other regulatory bodies on minimum qualification for appointment of teachers and other academic staff are followed by the University. Designation and Scale: For designation and scale of employees, University follows all the norms prescribed by UGC from time to time and duly mentioned at the time of recruitment. Promotion Policy: The Vice-Chancellor and the Board of Management approve the promotion policy and review the same periodically. The policy followed for the promotion is CAS (Career Advancement Scheme). Faculties seeking promotion are required to apply in the respective Performa. The expert committee at the university level screens them and they are interview for the same. Faculty members are encouraged to attend conferences, seminars, and workshops.

Industry Interaction / Collaboration

Each department has one faculty responsible for industry interaction. University also organizes seminars, technical fests, hackathons, etc. where students are exposed to industry

experts in their respective fields. During internship training, the faculty members act as Guides and keep in constant touch with industry guides of the students and seek their suggestions about the performance of the students.

Moreover, industrial visits are conducted for students to get closer exposure to industrial practices. University has signed many MoU since its inception with organizations given below: Organisation with which MoU is signed Year of signing MoU Red Hat Academy 2018 IATC Siemens, TSP North, Panchkula (Haryana) 2018 Bennett University for Deep Learning and AI Skills, Noida(U.P.) 2018 H.P. National Law University, Shimla(H.P.) 2018 Central Depository Services Ltd. (CDSL), Mumbai (Maharashtra) 2018 Indian Council of Agricultural Research, New Delhi(National Bureau of Fish Genetic Resources) 2017 Indian Council of Agricultural Research, New Delhi (Indian Institute of Sugarcane Research) 2017 XEAM Ventures Private Limited, Mohali (Punjab) 2017 Groupe Insec, France 2017 Ghana Technology University College (GTUC) Ghana 2014

Admission of Students

Admission of students is done as per rules and regulations specified by HPPERC and other regulatory bodies. The fee for the courses is charged as per the approvals from Directorate Higher Education (DHE). All applicants are considered without any difference of sex, color, religion, etc. Before admission, admission notices are advertised in regional and national newspapers, so that the aspirants from across the country get equal chances to appear. Fee concession and scholarships are given to students with an excellent academic record at the time of admission.

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

E-governance area	Details
<p>Planning and Development</p>	<p>ICT resources are used for planning University activities and events. Press releases are put on the website of the University as well as social media platforms like Facebook, Instagram, and Twitter. The Board of Management (BoM) is the principal body for the planning and development of the University. Every year BoM meeting is held</p>

regarding the planning and development activities to be done. Online feedback is also taken from various stakeholders in this regard.

Administration

The Administration of the University is functioning with an appropriate E-governance system. The agenda and minutes of meetings conducted at the Vice-Chancellors office are circulated to the concerned on their official e-mail IDs. Necessary communication with Regulatory and Statutory government bodies is done through official e-mails. Maximum administrative functions are now digitized using ERP software. The attendance of Teaching and Non-teaching staff is done through a Biometric machine. The University campus is equipped with CCTV Cameras at every place of need with adequate security arrangements.

Finance and Accounts

All financial transactions are conducted through "Tally" and are integrated with ERP software. The majority of transactions are now conducted through e-banking and online mode to ensure speed, better security, and monitoring. The University has a mechanism for internal and external audits. It has a full-time Finance Officer to ensure maintenance of annual accounts and preparation of balance sheet of the University and audit thereof. The University's finances are regularly audited by qualified independent auditors.

Student Admission and Support

University has its Toll free number for assisting the students in admission, depositing online fees, filling examination forms, etc. These services are provided free of cost. Online admission forms, online fee payment options are also available on the official website of the University. Students and parents can also log in on ERP to monitor student performance.

Examination

The Controller of the Examinations (CoE) is responsible for all the arrangements connected with the conduct of the examinations. Primarily, the question papers are set by the external examiner. CoE sends the syllabus and instructions for setting paper by electronic mode. Examiner can send the question paper through email with a password-protected file. The

examination committee of the University is well equipped with the necessary ICT tools required for the smooth conduct of the examination.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Dr. Varinder Singh	13th Annual Canadian Neuroscience Meeting 22nd -25th May 2019	Science and Engineering Research Board	189368
2019	Dr. Dinesh Kumar Sharma	International Congress on Thermal stresses in the department of Mechanics, Zhejiang University Hangzou China (31 May -06 June 2019)	CSIR, New Delhi. CCSTDS, Chennai Maharaja Agrasen University Baddi, HP	65000
2019	Dr. Subhash Chander	20th TETRAHEDRON SYMPOSIUM 18th-21st June 2019	Science and Engineering Research Board	64228
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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)
2018	One Week National Workshop on "RESEARCH METHODOLOGY DATA ANALYSIS"	Nil	09/07/2018	15/07/2018	18	Nil
2019	Short Term Course on	Nil	10/06/2019	14/06/2019	33	Nil

	Intellectual Property Rights- Aspects for Business Starts-Ups					
2019	Nil	Legal Aid Camp at The Nalagarh Truck Operator Union at Nalagarh, Solan HP	25/02/2019	25/02/2019	Nil	10

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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
One Week National Workshop on "Research Methodology Data Analysis"	18	09/07/2018	15/07/2018	7
workshop on "Continuum Mechanics: Principles and Applications" Department of Mathematics, Panjab University Chandigarh.	1	19/11/2018	24/11/2018	6
Faculty Development Programme on Machine Learning Data Analytics with Python	1	27/12/2018	31/12/2019	5
Workshop on "Disaster management to commemorate 1905 Kangra Earthquake (DMKEA-1905)"	1	03/04/2019	04/04/2019	2

Short Term Course on Linux Based Administration Using CentOS	2	13/05/2019	17/05/2019	5
Faculty Development Programme on Deep Learning Applications	2	27/05/2019	31/05/2019	5
Short Term Course on Intellectual Property Rights-Aspects for Business Starts-Ups	33	10/06/2019	14/12/2019	5
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
144	144	102	102

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • Group Medical Assurance • Academic leaves for attending conferences, seminars and delivering expert lectures, etc. • Duty leaves for attending the meetings of statutory bodies or Govt. regulatory bodies and agencies. • Financial Incentives for participating in National/International Conferences. • Interest-Free Loan to the faculty for meeting their requirements like purchasing of laptop. • Free Corporate mobile connections are provided to all the staff members. • Mess facility at a very nominal rate. • On-campus dispensary where medicines and consultation are given free of cost by a specialist doctor. 	<ul style="list-style-type: none"> • Group Medical Insurance • EPF and ESI facility for Class IV employees. • Free uniforms are provided to drivers, gardeners, and security guards. • Free Corporate mobile connections are provided to all the staff members. • Mess facility at a very nominal rate. • On-campus dispensary where medicines and consultation are given free of cost by a specialist doctor. • Transportation facility at a very nominal rate. • Interest-Free Loan to the staff for meeting their requirements like purchasing of laptop. • Medical Leaves, Yoga Camps, Free Psychological Counselling from the experts. 	<ul style="list-style-type: none"> • Group Medical Insurance • In-door and Out-door sports facilities • Transportation facility from nearby cities. • Free Internet/Wi-Fi facility to all the students • Yoga facility for male and female students separately. • Medical facility • Separate hostels for boys and girls • Canteen and Mess Facility • Various services like NSS, NCC are run by University to provide hands-on experience to young students in delivering community service.

Transportation facility at a very nominal rate. • A free Wi-Fi and internet facility is provided to all staff members.

6.4 – Financial Management and Resource Mobilization

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

The University has a mechanism for internal and external audits. The University accounts are audited regularly by both Internal and statutory audits. It has a full-time Finance Officer to ensure maintenance of annual accounts and preparation of balance sheet of the University and audit thereof. The University has also a separate internal audit department, consisting of qualified chartered accountants and experienced audit personnel. The University's finances are regularly audited by qualified independent auditors. Yearly statutory auditing of accounts is done by G A M S Associates LLP, Chartered Accountants, New Delhi.

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
Governing Body of the University	48627772	For Maintance, research project and Scholarship of the students
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6.4.3 – Total corpus fund generated

568098288

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	Yes	IQAC
Administrative	Yes	Administrative Committee	Yes	IQAC

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

N.A

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

? On the day of re-opening of the University, an Orientation Program along with Havan is arranged for both parents and students of the first year about the University and its functioning with rules and regulations. The Havan is followed by a community Langar along with students and faculty members. ? There is a constant interaction between staff and parents through phone calls throughout the year. ? Mentor-Mentee Counseling is done for identifying the problems that students are facing in academics and otherwise. If the need arises then parents are also informed related to the same.

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

? A training session on "Interaction with computer" was organized for the Support staff. ? Yoga Camp is organized on 21st June, 2019. ? Free Health Check up Camp is organized for the support staff.

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

Setting of Institution Innovation Cell by the University Enhancement in IQAC initiatives More focus in the area of research like filing patents, writing papers in SCI Journals etc. Motivating students for Higher studies

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	National Workshop on Research Methodology and Data Analysis	09/07/2018	09/07/2018	15/07/2019	48
2018	FDP on IPR-Aspect for business startups	10/09/2018	10/09/2018	14/09/2018	35
2018	Workshop on Publication Ethics and Writing a Research Grant Proposal	04/10/2018	04/10/2018	04/10/2018	35
2018	International Conference of Pharmacology Drug Discovery" on the theme "Pharmacology for Future: Towards Translational Approach for Next Generation Pharmacologists	04/10/2018	04/10/2018	06/10/2018	1040

2019	National Seminar on "Gender Inequality and child Abuse in India: Problems and Solutions"	23/03/2019	23/03/2019	23/03/2019	162
2019	Short Term Course on Intellectual Property Rights-Aspects for Business Starts-Ups	10/06/2019	10/06/2019	14/06/2019	33
2018	Transformation of Business through Digitalization and Innovation: Revitalizing Economy by 2025	09/10/2018	09/10/2018	09/10/2019	80
2018	Workshop on ROBOMECH by SIEMENS	13/09/2018	13/09/2018	14/09/2018	45
2019	Legal Aid Camp at The Nalagarh Truck Operator Union at Nalagarh, Solan HP	25/02/2019	25/02/2019	25/02/2019	45
2018	Expert Talk on Constitutional Status of Article 370 35A	15/10/2018	15/10/2018	15/10/2018	100
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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
1. Allotment	10/08/2018	10/08/2018	18	Nil

of NCC Sub Unit (Girls Sr.Wing)				
2. National Seminar on Gender Inequality & Child Abuse in India: Problems & Solutions	23/03/2019	23/03/2019	108	54
3. International Women's Day	08/03/2019	08/03/2019	254	94

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
? Solar Energy Panels installed in the university campus with an average annual generation of 427200 kWh. ? There are five rain harvesting points on the campus located in the front lawn of the Architecture Block, Examination Centre, Pharmacy Block, and International Boys Hostel and behind Boys Hostel. ? Effective measures have been taken to make the campus free from the use of plastic. Awareness drives are frequently conducted by different schools to appraise the students/employees about the evil effects of plastic goods on human health. ? The University has modernized the offices in the campus with appropriate equipment and auxiliaries to make it paperless in compliance with the global trend. ? The NSS volunteers take special initiatives to clean the campus and plant saplings at various places on the campus. They also organize various Tree Plantation Programs in the University as well as in the surrounding villages to promote tree plantation and create awareness about safeguarding trees and forests. ? The percentage of the power requirement of the University met by the renewable energy sources is 49.73.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Rest Rooms	Yes	1
Scribes for examination	Yes	Nil
Any other similar facility	Yes	1

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	1	1	22/08/2018	1	Industry-Academia	Understanding need of	110

					Interface	the industry	
2018	1	1	12/09/2018	1	Anti-drug rally	Awareness drive	357
2018	1	1	01/10/2018	1	Anti Drug Campaign	Drug Abuse	17
2018	1	1	04/10/2018	3	International conference of Pharmacology Drug discovery	Pharmacology for future	1040
2018	1	1	15/10/2018	1	Expert Lecture	Constitutional Status of Article 370 and 35A	200
2018	1	1	18/11/2018	7	Pharmacy week	Pharmacist for a healthy India	326
2019	1	1	17/02/2019	11	NSS camp	Tree Plantation, Cleanliness Drive and many literary events	64
2019	1	1	25/02/2019	1	Legal Aid Camp	Motor Vehicle Provisions	50
2019	1	1	28/02/2019	1	Science Day	Incorporate awareness about space science	135
2019	1	1	09/04/2019	1	Visit to "Institute for blind, Sec 26, Chandigarh" by NSS candidates	To sensitize students regarding visually impaired people	43

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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)
Student's handbook on code of ethics and conduct	01/07/2018	<p>? Students of the University should seek prior permission from the subject teacher or Director about absence in the class. ? Appear for various University examinations/tests/tutorials/terminal examination, etc .</p> <p>? Students should participate in curricular, co-curricular, and extension activities organized regularly by the University.</p>
Staff Member's handbook on code of ethics and conduct	01/07/2018	<p>Teachers and their responsibilities: ? To have a responsible pattern of conduct and should be aware of the expectations of the society from them. ? Should try to improve academic performance through study and research. ? Should perform their duties with dedication. ? Participate in extension, co-curricular and extracurricular activities including community service organized by the University. Teachers and the Students: ? The right and dignity of the students in expressing opinions should be respected by the teachers. ? Impartial behavior with the students. ? To inculcate scientific outlook and respect for ideals. ? To help and guide University students to understand the national heritage and national goals. Weblink: https://mau.ac.in/Static/V1/Files/Documents/636929469740959163.pdf</p>

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
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Faculty Orientation Programme	17/07/2018	18/07/2018	200
Swatch Bharat Pakhwada	01/08/2018	15/08/2019	100
Hawan pooja for starting of new academic session	10/08/2018	10/08/2018	350
Independence Day	15/08/2018	15/08/2018	380
Teacher's Day	05/09/2018	05/09/2018	1269
Anti Drug Rally	12/09/2018	12/09/2018	357
Engineer's Day	13/09/2018	14/09/2018	150
Surgical Strike Day	29/09/2018	29/09/2018	200
Walkathon for Healthy and Stress Free Life	06/10/2018	06/10/2018	226
Maharaja Agrasen Jayanti	10/10/2018	10/10/2018	250
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Rainwater harvesting Rainwater Harvesting System consists of an elaborate network of rainwater harvesting wells spread all over the campus. 2. Solid Waste Management Separate bins have been provided for non-biodegradable waste and biodegradable waste. These have been kept at strategic locations on the University campus. The students are advised not to bring plastic items on the campus. Food in the University mess is prepared in appropriate quantity to minimize its wastage. Leftover food, if any, is sent to animal shelters and under no circumstances it is thrown in the waste bins. 3. Liquid Waste Management A proper sewerage system is in place in the University. The kitchen sinks, dishwashers, floor drains, toilets, washrooms, and laboratories are properly connected to sewers. The installed Septic tank is used to collect the liquid/semi-liquid waste material. This waste is passed on to the Treatment Plant for separating the liquid from solids. The solid waste is used to manufacture manure, to be used later on in the University lawns/gardens. Clean water is used for watering the plants in lawns. Water sprinklers are installed in the garden area to reduce and optimize the consumption of water. 4. e-Waste Management Flip flops, memory chips, motherboard, compact discs, cartridges, etc installed in electronic equipment such as Computers, TV, Phones, Printers, and Photocopy machines are recycled properly. The University follows optimum utilization of the electronic items to reduce e-wastage. 5. Plastic Free Campus Effective measures have been taken to make the campus free from the use of plastic. Awareness drives are frequently conducted by different schools to appraise the students/employees about the evil effects of plastic goods on human health. In case any student or staff member brings any plastic item to the campus, he/she is instructed to dump it in the trash box provided for this purpose. Plastic-free Posters/Banners highlighting the importance of keeping the campus green and free from plastic have been put up at various places within the campus.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

? Providing Community Services to nearby Villages on regular basis such as : 1. Legal awareness camps 2. Hygiene awareness camps 3. Yoga and Health awareness 4. Swatchhta Abhiyan 5. Anti Drug Campaign 6. Female right awareness 7. Charity of Rs.1 lakh towards cancer treatment of a child ? Adopted 5 nearby villages under Unnat Bharat Mission ? Faculty Advancement Programs

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

<https://mau.ac.in/best-practices/>

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

? Renewable source of energy (Solar Panels with average annual generation of 427200 kWh) University has installed solar energy panels on the roof of the Campus buildings for solar power generation. This leads to the generation of clean energy and to address the environmental sustainability issue also. ? Institution Innovation Council (IIC) establishment for motivating Innovation and Implementation among students Maharaja Agrasen Institute of Technology, (MAU) Baddi, successfully established the Institute Innovation Council (IIC) as per the norms and directives of Innovation Cell, Ministry of Human Resource Development (MHRD), Government of India. Institution Innovation Council, MAIT was constituted by Hon'ble Vice-Chancellor, Prof. (Dr.) R. K. Gupta, Sh. Suresh Gupta, Project Director and Prof. (Dr.) Aparna N. Mahajan Director MAIT. Dr. A. N. Mahajan was appointed as President of the Institution Innovation Council. Dr. Vineet Mehan, Associate Prof. Computer Science and Engg. and Mr. Kunal Singh, A.P. Mechanical Engg. was appointed as Convener and Coordinator respectively. Ms. Surabhi, student Electronics and Communication Engg. was chosen as Student Coordinator of IIC. Union HRD Minister Sh. Prakash Javadekar launched the 'Institution's Innovation Council (IIC) program under the Innovation cell of MHRD at All India Council for Technical Education (AICTE) headquarters in New Delhi on 21st November 2018. ? Mobile Medical Van Facility for villagers (in collaboration with ONGC) The University firmly believes in inclusive growth of one and all. It is running a mobile dispensary service (in collaboration with ONGC) in the nearby villages to provide medical facilities at their doorsteps. As a part of this mobile dispensary a qualified MBBS Doctor and a dispenser go to the neighboring villages and after examining the patients, gives them the medicines free of cost. Last year medicines worth Rs.3,00,000 (approx.) were provided to the patients. The residents of the adjoining villages have been immensely benefited from this mobile medical van service as the doctor and the medicines are now available at their doorstep.

Provide the weblink of the institution

<https://mau.ac.in/institutional-distinctiveness/>

8.Future Plans of Actions for Next Academic Year

Future plan of Maharaja Agrasen University-Baddi for Academic Year 2019-20 is as follows: ? To conduct academic audit every semester so as to have regular and strategic view of university's teaching learning process and ensure its quality as well. ? To create "Research promotion cell" in the university to provide research conducive environment and make an individual cell that will solely focus on the research and development. ? To Organize / National level Conferences, Paper Presentations project competitions. ? Faculty members will be motivated to submit Research Proposals to various funding agencies. ? Students will be motivated to take active participation in curricular and co-curricular activities. ? More extension and outreach activities would be conducted. ? To

Organize Legal Aid Camp in the premises of the Nalagarh Truck Union to impart knowledge to truck operators, drivers and cleaners the rules and regulations under the Motor Vehicle Act, consequences of drug and drive, rash and negligence drive, punishment and compensation thereof. ? To improve placement ratio with the help of Alumni/Industry experts. ? To put more efforts on soft skills and latest technologies to make students industry ready. ? To conduct more number of development programs for non-teaching staff.