Yearly Status Report - 2019-2020

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

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
National Seminar on Constitutionalism: Augmenting The Spirit of	**14-Mar-2020** **1**	**155**

Socio-Legal-Economic & Political Development		
3rd International Confernce on Innovative Technologies for Clean and Sustainable Development	19-Feb-2020 3	250
Workshop on Problem solving using green technologies	25-Sep-2019 3	120
FDP on AI and Mechine Learning	23-Dec-2019 5	30
Short term course on Green Manufacturing	03-Feb-2020 5	16
FDP on ICT tools for teaching, learning process and Institutes	13-Jan-2020 5	64
FDP on Natural Language processing	06-Jan-2020 5	25
FDP on Python programming with Industry Perspective	02-Dec-2019 5	29
FDP on Use of ICT in Life Sciences	28-Nov-2019 10	68
Research Methodology and Data Analysis	08-Jul-2019 7	50
[View File](#)		

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	50000
Year	2019

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

IQAC coordinate various activities of the University for creating conducive teachinglearning and research environment. For pursuing the said objective, IQAC ensures: ? Organizing FDP, Seminars, and Workshops time to time. ? Conducting extension and outreach activities inside and outside the University campus. ? Arrangement of Online teachinglearning through MSTeam Software. ? Arrangement of online examination through MSTeam Software. ? Faculty members are motivated to publish Research articles in High Impacted Journals. ? Considering feedback of all stakeholders while updating the course curriculum. ? Motivating students to participate in Cocurricular and extra Cocurricular activities.

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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
Establishment of IIC	"FOUR STAR CERTIFICATE" was conferred to IIC MAIT, Baddi, H.P for consistently participating in various activities organized by MICIIC, MHRD India.
Publication in High Impacted Journals	Faculty members have published significant number of Research papers in Scopus/ SCI journals.
Online Teaching-Learning and Examination	Online classes and examination are held on MS-Team software during Covid-19
Faculty Development Programme	Significant number of FDPs and Workshops are conducted in order to enrich faculty members in key areas of teaching and research.
Industry-Academia interactions	A number of guest lectures from Industry have been conducted to discuss the contemporary issues of Industry.
No Files Uploaded !!!	

14. Whether AQAR was placed before statutory body ?	Yes

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	2020
Date of Submission	24-Dec-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	Yes, the University is well equipped with an information system that takes care of various activities like admission, office management, accounts, attendance, student grievance redressal, and online classes through Microsoft Team App due to COVID19 Pandemic. In addition to this at the school level, an online group has been created for each class for smooth exchange of academic information, and for each group, a teacher of the concerned school, especially the mentors of the concerned proteges have been nominated as WhatsApp group admin by the director of the school. The Covid 19 pandemic has triggered new ways of learning. Digital learning has emerged as a necessary resource for students and schools all over the world. So, Maharaja Agrasen University has also opted for the online mode of teaching from March 2019 through Microsoft Team App. A Biometric system is also available in the University to mark the attendance of both teaching and nonteaching staff. University has a fully accessed internet facility via LAN and WiFi system. IPenabled CCTV cameras have been installed on primary locations of the campus. University has provided official email ids for students as well as for faculty members for centralizing learning, work, and various collaborations from March 2019.

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
BSc	USN	Science	31/05/2019
MSc	PPH	Physics	31/05/2019
LLB	ULL	Law	17/07/2019
BCom LLB	UCL	Commerce and Law	17/07/2019
BTech	UEC	Electronics & Communication Engineering	18/07/2019
Mtech	PEC	Electronics & Communication Engineering	18/07/2019
PhD or DPhil	DEC	Electronics & Communication Engineering	18/07/2019
BTech	UEE	Electrical & Electronics Engineering	18/07/2019
PhD or DPhil	DEE	Electrical & Electronics Engineering	18/07/2019
MSc	PMA	Mathematics	09/07/2019
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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
BPharm	Pharmacy	07/01/2019	Pharmaceutical Organic Chemistry III(BP401T)	07/01/2019
BPharm	Pharmacy	07/01/2019	Medicinal Chemistry I (BP402T)	07/01/2019
MSc	Chemistry	28/05/2019	Inorganic Chemistry Lab I MCHE151	28/05/2019
MSc	Chemistry	28/05/2019	Material Chemistry MCHE201	28/05/2019
BSc	Medical	29/05/2019	BCHE -101, Inorganic Chemistry I	29/05/2019

BSc	Non-Medical	31/05/2019	BCHE -101, Inorganic Chemistry I	31/05/2019
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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
PhD or DPhil	Pharmaceutical Science	05/06/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
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	01/07/2019	20
Workshop on SPSS	01/07/2019	40
Technical Communication Skills (EAS - 700)	01/07/2019	13
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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
BSc	Bio Technology	18
LLB	Law	20
BPharm	Pharmacy	56
MBA	Management	42
BHM	HOTEL MANAGEMENT	22
BTech	CSE	33
BTech	Civil Engineering	9
BTech	ECE	15
BTech	EEE	8
BTech	ME	13
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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

We at MAU take feedback from different stakeholders to execute the suggested changes as per the requirement of industry-academia paradigm. Feedback from Students At the end of every semester, feedback from the Students is obtained through structured questionnaire regarding curriculum, teaching, learning evaluation. The complied suggestions are then channelized to IQAC through Director of the concerned school. The feedback from the students is also taken for general facilities contacting thirteen sections. Feedback from Faculty: Feedback about the curriculum is taken from the faculty member and the same is incorporated in the updating and designing curriculum at the end of every semester. Feedback about working conditions, academic facilities, and research environment is also taken from the faculty members. Feedback from Parents: Feedback from the parents is also taken to identify their satisfaction level and problem faced by them if any. It helps to identify the expectation gap of stakeholders. This is done by sending them feedback forms. Feedback from Employer: We have a prescribed format for the employer/ Industry feedback. Delegates who came for campus placement in the university can provide their valuable suggestions for upgradation the contents of the curriculum as per the need of the industry. University welcomes their suggestions and executes the same through proper channels. Feedback from Alumni: We also take feedback from alumni regarding the expectation of employers/ society from the university. Their suggestions about academic or nonacademic activities are kept into consideration while framing the academic structure and policies of the University. The IQAC analyze the feedback forms and recommend 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	32	32
BPharm	Pharmacy	120	100	100
BTech	CSE	60	34	34
LLM	Law	60	40	40
BCom LLB	Law	60	11	11
BAMS	Law	60	38	38
MBA	Business Administration	90	50	50
BHM	Hotel Management	40	23	23
BBA	Business Administration	60	40	40
BCom	Commerce	90	60	60
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1731	415	38	Nill	127

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	Numberof smart classrooms	E-resources and techniques used
127	127	15	25	3	9

[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)

MAU follows appropriate mentoring system in order to: ? Provide carrier counselling and guidance to the students. ? Handling their personal problems and grievances. ? Intimate the parents of students through telephone and postal letters time to time. ? Develop sense of responsibility among the students. ? Motivate the students to take participate in curricular and extracurricular activities. ? Keeping the complete record of the students. The practice: Mentoring committee of the institute allocates and displayed the mentor-mentee list in the beginning of every semester. Every faculty member is allocated 15-20 students as mentee. Faculty members are supposed to take at least one meeting with their respective mentees in a month. These meeting is arranged in order 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 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
2146	127	1:17

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
117	127	Nill	21	60

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Kunal Singh	Assistant Professor	Exceptional Contribution as Mentor, Smart India

2019	Kaushik Adhikary	Associate Professor	Beast Paper Award, Chandigarh group of Collages, Mohali, Punjab

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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
MBA	PBA	IV/2020	13/07/2020	02/09/2020
BBA	UBA	VI/2020	09/07/2020	02/09/2020
BCom	UCO	VI/2020	08/07/2020	02/09/2020
BTech	UCS	VIII/2020	01/07/2020	17/07/2020
BTech	UEC	VIII/2020	30/06/2020	17/07/2020
BTech	UEE	VIII/2020	30/06/2020	17/07/2020
BPharm	BPH	VIII/2020	09/07/2020	08/09/2020
BSc	USM	VI/2020	07/07/2020	02/09/2020
BSc	USN	VI/2020	07/07/2020	02/09/2020
MSc	PCM	VI/2020	08/07/2020	02/09/2020
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nill	1737	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
UCH	BCom	Commerce	38	38	100
UBA	BBA	BUSINESS ADMINISTRATION	25	21	84

PBA	MBA	BUSINESS ADMINISTRATION	52	46	88
UBH	BHM	HOTEL MANAGEMENT	13	13	100
UBL	BA LLB	LAW	20	20	100
PLL	LLM	LAW	35	31	89
USM	BSc	MEDICAL	12	12	100
PCM	MSc	CHEMISTRY	49	49	100
UCS	BTech	CSE	33	33	100
BPH	BPharm	PHARMACY	58	50	86
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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 fellowship	Name of the award	Date of award	Awarding agency
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	730	Maharaja Agrasen University
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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
Projects sponsored by the University	365	Maharaja Agrasen University	470000	470000
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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 Python programming with Industry Perspective	School of Basic Applied Sciences	02/12/2019

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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Smart India hackathon 2019	Kunal Singh	MHRD AICTE	05/07/2019	Exceptional Contribution as Mentor
Beast Paper Award	Kaushik Adhikary	Chandigarh group of Collages, Mohali, Punjab	02/12/2019	Best Paper 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 Basic Applied Sciences	4
School of Law	1
Institute of Technology	2
School of Management	4

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	16	1.48
National	School of Law	9	4.06
International	School of Law	8	3.21
International	Institute of Technology	30	3.02
National	School of Management	1	Nill
International	School of Management	16	Nill
International	School of Pharmacy	9	3.07

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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 Basic Applied Sciences	5
School of Law	10
Institute of Technology	9
School of Management	2
School of Pharmacy	5
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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
4×4 and 3×3 Switching Element Configuration	Published	201911012996A	10/01/2020
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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
Vibrations of a nonlocal thermoelastic cylinder with void	DK Sharma, PC Thakur, N Sarkar M Bachher	Acta Mechanica	2020	5	Department of Mathematics, Maharaja Agrasen University, Baddi, Solan, Himachal Pradesh 174103, India	5
Microbial Bioremediation of Heavy Metals: Emerging Trends and Recent Advances	Zango Usman U., Yadav Mukesh, Sharma Vandana, Sharma J.K., Panwar Sanjay, Dan Sidhartha and Sharma Anil K	Research Journal of Biotechnology	2020	3	School of Basic and Applied Sciences, Maharaja Agrasen University, Atal Shiksha Kunj, Kalujhanda, Barotiwala, Solan – 174103, Himachal Pradesh, INDIA	3

Age Hardening in COR-Ten Steel	Vandana Sharma, J. K. Sharma, Suresh Kumar, Sanjay Panwar	International Journal of Innovative Technology and Exploring Engineering	2020	0	School of Basic Applied Sciences, Maharaja Agrasen University, Atal Shiksha Kunj, Kalujhanda, Barotiwala, Solan – 174103, Himachal Pradesh, India,	Nill
Modification and Management of lignocellulosic waste as an ecofriendly biosorbent for the application of heavy metal ions sorption	V. Thakur, E. Sharma, A. Guleria, S. Sangar, Kulvinder Singh	Material Today: Proceeding	2020	8	Department of Chemistry, Maharaja Agrasen University, Baddi 174103 India	8
Recent Progress on Heterostructures of Photocatalysts for Environmental Remediation	E. Sharma, V. Thakur, S. Sangar, Kulvinder Singh	Material Today: Proceeding	2020	1	Department of Chemistry, Maharaja Agrasen University, Baddi 174103 India	1
Visible light driven photocatalysis of organic dyes using SnO2 decorated MoS2 nanocomposites	A. Rani, Kulvinder Singh, A.S. Patel, A. Chakraborti, S. Kumar, K. Ghosh, P. Sharma	Chemical Physics Letters	2020	18	Department of Physics, School of Basic Applied Sciences, Maharaja Agrasen University, H.P., India	18
Solvothermal	D. Vashisht,	Spectrochimica	2020	9	Department	9

						of Chemistry, School of Basic and Applied Sciences, Maharaja Agrasen University, Baddi 174103, India	
assisted phosphate functionalized graphitic carbon nitride quantum dots for optical sensing of Fe ions and its thermodynamic aspects	E. Sharma, M. Kaur, A. Vashisht, S.K. Mehta, Kulvinder Singh	Acta Part A: Molecular and Biomolecular Spectroscopy					
Catalyst free enantioselective amination via SN2 nucleophilic substitution reaction: a computational study	A. Singh, Chayawan, S.K. Mehta, Kulvinder Singh	Molecular Simulation	2020	0		Department of Chemistry, School of Basic and Applied Sciences, Maharaja Agrasen Baddi, India	Nill
Systematic Assessment on Extreme Heat Events and its Impact on Health	Amit Awasthi, Mamta Bansal, Prabhjot Kaur and Nirankar Singh	International Journal on Emerging Technologies	2020	0		School of Basic and Applied Sciences, Maharaja Agrasen University (Himachal Pradesh), India.	Nill
Exceptionally tunable electronic, optical and transport properties of two dimensional GaS doped with group II and group IVa elements	Munish Sharma, P.K. Ahluwalia	Physica E: Low Dimensional Systems and Nanostructures	2020	1		Department of Physics, School of Basic and Applied Sciences, Maharaja Agrasen University, Baddi 174103, India	1
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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
Vibrations of a nonlocal thermoelastic cylinder with void	DK Sharma, PC Thakur, N Sarkar M Bachher	Acta Mechanica	2020	74	5	Department of Mathematics, Maharaja Agrasen University, Baddi, Solan, Himachal Pradesh 174103, India
Microbial Bioremediation of Heavy Metals: Emerging Trends and Recent Advances	Zango Usman U., Yadav Mukesh, Sharma Vandana, Sharma J.K., Panwar Sanjay, Dan Sidhartha and Sharma Anil K	Research Journal of Biotechnology	2020	17	3	School of Basic and Applied Sciences, Maharaja Agrasen University, Atal Shiksha Kunj, Kalujhanda, Barotiwala, Solan - 174103, Himachal Pradesh, INDIA
Age Hardening in COR-Ten Steel	Vandana Sharma, J. K. Sharma, Suresh Kumar, Sanjay Panwar	International Journal of Innovative Technology and Exploring Engineering	2020	40	Nill	School of Basic Applied Sciences, Maharaja Agrasen University, Atal Shiksha Kunj, Kalujhanda, Barotiwala, Solan – 174103, Himachal Pradesh, India,
Modification and Management of lignoce	V. Thakur, E. Sharma, A. Guleria,	Material Today: Proceeding	2020	47	8	Department of Chemistry,

Title	Authors	Journal	Year	Volume	Issue/Page	Affiliation
llulosic waste as an ecofriendly biosorbent for the application of heavy metal ions sorption	S. Sangar, Kulvinder Singh					Maharaja Agrasen University, Baddi 174103 India
Recent Progress on Heterostructures of Photocatalysts for Environmental Remediation	E. Sharma, V. Thakur, S. Sangar, Kulvinder Singh	Material Today: Proceeding	2020	47	1	Department of Chemistry, Maharaja Agrasen University, Baddi 174103 India
Visible light driven photocatalysis of organic dyes using SnO2 decorated MoS2 nanocomposites	A. Rani, Kulvinder Singh, A.S. Patel, A. Chakraborti, S. Kumar, K. Ghosh, P. Sharma	Chemical Physics Letters	2020	235	18	Department of Physics, School of Basic Applied Sciences, Maharaja Agrasen University, H.P., India
Solvothermal assisted phosphate functionalized graphitic carbon nitride quantum dots for optical sensing of Fe ions and its thermodynamic aspects	D. Vashisht, E. Sharma, M. Kaur, A. Vashisht, S.K. Mehta, Kulvinder Singh	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy	2020	123	9	Department of Chemistry, School of Basic and Applied Sciences, Maharaja Agrasen University, Baddi 174103, India
Catalyst free enantioselective amination via SN2 nu	A. Singh, Chayawan, S.K. Mehta, Kulvinder	Molecular Simulation	2020	57	Nill	Department of Chemistry, School of Basic and

cleophilic substituti on reaction: a computat ional study	Singh					Applied Sciences, Maharaja Agrasen Baddi, India
Systematic Assessment on Extreme Heat Events and its Impact on Health	Amit Awasthi, Mamta Bansal, Prabhjot Kaur and Nirankar Singh	Internat ional Journal on Emerging T echnologie s	2020	6	Nill	School of Basic and Applied Sciences, Maharaja Agrasen University (Himachal Pradesh), India.
Exceptio nally tunable el ectronic, optical and transport properties of two dim ensional GaS doped with group II and group IVa elements	Munish Sharma, P.K. Ahluwalia	Physica E: Low Dim ensional Systems and Nanost ructures	2020	94	1	Department of Physics, School of Basic and Applied Sciences, Maharaja Agrasen Un iversity, 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/Semi nars/Workshops	11	75	Nill	Nill
Presented papers	10	30	Nill	Nill
Resource persons	Nill	10	Nill	Nill

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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)
Dr. Sunil Kumar Bansal/ MAIT	IT Solutions	Lehri Solutions Pvt. Ltd.	25000
Dr. Kiran Chanda/ MASOM	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 Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Mr. Pankaj Bhateja/ Department of Pharmacy	Intellectual property rights	Aptus Pharma Pvt limited	20000	5
Dr. Vineet Mehan/ MAIT	Search Engine Optimization Training	K.K. Web Service	24000	6
Dr. Vinay Chamoli/ MASOM	Menu Planning establishment of Hygine standard while handling food	Hotel Chandigarh Grand	16000	4
Mr. Pankaj Nanglia (MAIT)	Link Budgeting Transmission Planning	Ceregon Network	20000	4
		No file uploaded.		

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
Independence Day	NSS	5	200
Vijay Divas	NCC	4	95
Voters Day	NSS	8	150
Vasantotsav-2020	MAU	10	600
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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 HACKATHON	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/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
National Pharmacy Week	Maharaja Agrasen	Educate Before You	5	195

	University	Medicate			
Aids Awareness	Maharaja Agrasen University	Anti Drug Regime	3		57
Swachh Bharat	Maharaja Agrasen University	Swachata Abhiyan	4		36
Tree Plantation	Maharaja Agrasen University	Tree Plantation day	5		70
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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
Academic Alliance	20	NITTTR	5
FDP	5	AICTE	7
Academic Alliance	1	IIT-ROPAR	1
Workshop	1	DST	1
Conference	30	NITTTR	3
Educational Tour	36	TYNOR ORTHOTICS	1
Educational Tour	24	CENTRAL RESEARCH INSTITUTE- KASAULI	1
Educational Tour	20	CSIR-IMTECH-CHANDIGARH	1
Research	1	REGIONAL CENTRE FOR URBAN ENVIORNMENTAL STUDIES-LUCKNOW	1
No file uploaded.			

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
Internship	Specialisation Training	Holiday Inn, Panchkula	01/01/2020	30/06/2020	3
Internship	Specialisation Training	Best Western Maryland, Zirakpur	01/01/2020	30/06/2020	2
Industrial Training	Internship	The Kangra Central Co-Operative	01/06/2020	15/07/2020	4

Industrial Training	Internship	Daxen Agritech India Pvt Ltd.	01/06/2020	15/07/2020	2
Industrial Training	Internship	Action Medical Institute	01/06/2020	15/07/2020	1
Industrial Training	Internship	Ripton Solutions Inc	20/01/2020	20/07/2020	4
Industrial Training	Internship	Infowiz Industry Private Limited	20/01/2020	20/07/2020	6
Industrial Training	Internship	Himachal Pradesh Public Works Department	20/01/2020	20/07/2020	4
Industrial Training	Internship	Federal-mogul Anand Bearings India Limited	20/01/2020	20/07/2020	3
Industrial Training	Internship	EME Technologies	20/01/2020	20/07/2020	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 students/teachers participated under MoUs
Central Inland Fisheries Research Institute West Bengal	06/03/2020	Research activities	2
Dr. Prashant Gautam PU Chandigarh	15/02/2020	PhD Co-Supervisor	2
Dr. Jaswinder Kumar PU Chandigarh	29/02/2020	PhD Co-Supervisor	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
200	210.28

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
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	2014

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	19220	11954972	815	501062	20035	12456034
e-Books	2914412	47000	980	Nill	2915392	47000
Journals	43	19686	25	8076	68	27762
e-Journals	41347	46000	545	Nill	41892	46000
CD & Video	160	Nill	43	Nill	203	Nill
Library Automation	1	Nill	2	Nill	3	Nill

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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
No Data Entered/Not Applicable !!!			
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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)

60 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
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/IdBar8vfmnq
Microsoft Teams Platform	https://www.youtube.com/watch?v=rxxYd6kAPyI&t=288s

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 incurredon maintenance of physical facilites
300	291	100	74

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)

Regular maintenance and periodic replenishment of infrastructure are essential for effective institutional functioning. 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. There have been tree plantation drives in the University to enhance its green cover. University has its own committees to ensure the proper look after the infrastructure. Those are as follows: Technical committee: Roles Responsibilities of technical committee are as follows: • Planning and conduction of technical lectures, seminars, workshop,s and conferences. • Technical committee will advise on technical aspects of policy development and producing or advising on technical guidance to strengthen academic research and will provide guidance, advise responses on technical matters in accordance with the university charter. Transport Committee: A committee has also been constituted for the day-to-day maintenance of the University vehicles. Functions Procedure of the committee: The full-fledged Transport committee functions in University with 18 buses to provide transport facilities to students and staff from various places. This committee Obtains necessary clearance certificates, insurance, permits, etc. for the University vehicles from RTA and routine checking of the condition of the

vehicles. There is a proper procedure for the Appointment of well trained and experienced drivers. Maintenance Committee: A committee has also been constituted for Maintenance. Functions Procedure of the committee: • Maintenance of Diesel Generators, UPS systems and its batteries, • Measurement of earth resistance at regular intervals, ensuring the proper earth connection for various equipments in the labs and classrooms. • The members will check the working condition of all the equipment at the end of each academic year and report any deficiencies found. • Sweepers and a supervisor are also regularly allotted to every area of the university. 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 in the college campus. Literary and Cultural Committee Responsibilities of Literary and Cultural Committee: 1. Conduct meeting also record the minutes of the meeting. 2. Minutes of the meetings will be submitted within 10 days of the meeting. 3. Committee will encourage students for participation in various literary events. 4. To ensure prior intimation and approval by concerned subject expert before participating in posters/presentations/quiz. 5. To identify the talented student for various events/competitions

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	Maharaja Agrasen University	1805	30882150
Financial Support from Other Sources			
a) National	Maharaja Agrasen Institute of Technology	8	792000
b)International	Maharaja Agrasen Institute of Technology	1	25000
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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
Remedial coaching	10/12/2019	307	MAU SCHOOL OF LAW, Maharaja Agrasen University
Newspaper Analysis	22/08/2019	157	School of Management, Maharaja Agrasen University
Group Discussion Classes	20/08/2019	257	School of Management, Maharaja Agrasen University

Competitive Examination Classes	15/08/2019	30	School of Pharmacy, MAU
Competitive Examination Classes	14/08/2019	108	School of basic and applied sciences, Maharaja Agrasen University
Personality Development	06/08/2019	267	Institute of technology, Maharaja Agrasen University
Career counselling	02/09/2019	60	Institute of technology, Maharaja Agrasen University
Competitive Examination classes	08/08/2019	64	School of Management, Maharaja Agrasen University

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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 passedin the comp. exam	Number of studentsp placed
2019	Career Counselling Competitive Exam Class	202	273	3	119
2019	Technical Communication Skills	70	50	2	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
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
40	170	156	8	9	9

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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
2020	3	BHMCT	Tourism Hotel Management	Maharaja Agrasen University, Baddi	MBA
2020	7	BBA	Management	Maharaja Agrasen University, Baddi	MBA
2020	1	BBA	Management	PIET	MBA
2020	1	BBA	Management	USOL, Panjab University	MBA
2020	1	B.Com (H)	Commerce	DAV College, sec 10, Chandigarh	M.COM
2020	1	B.TECH	MAIT	TIET, PATIALA	M.TECH
2020	1	B. Tech	MAIT	PEC, CHANDIGARH	M.Tech
2020	1	B.Sc	School of Basic and applied science	H.P.U. Shimla	M. Sc Chemistry
2020	4	M. Sc Zoology	School of Basic and applied science	H.P.U. Shimla/ Kurukshetra University, Kurukshetra	B. Ed
Nill	1	M. Sc Mathematics	School of Basic and applied science	H.P.U. Shimla	B. Ed

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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	1
GATE	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

Teacher's Day	Department	413	
World Tourism Day	Department	150	
Vasantotsav-2020	University	600	
CATALYSTICO - 2K19	Institutional	50	
150th birth anniversary of mahatama gandhi	Department	198	
Childrens day	Department	179	
National voters' day	Department	196	
Vasant panchmi	Department	210	
Internationa lwomen's day	Department	215	
Science Day	Department	313	
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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
2019	Volleyball/ II Position	National	1	Nill	MAU17PBA002, MAU16UBA017, MAU17PBA011 MAU17PBA001, MAU18PBA014, MAU17PBA013	Neetin Mehta, Vishal Chauhan, Akshay, Rohit, Arun, Mohil Thakur, Amit Kumar, Puneet Sharma
2019	Volleyball/ I Position	National	1	Nill	MAU17PBA002, MAU16UBA017, MAU17PBA011 MAU17PBA001, MAU18PBA014, MAU17PBA013	Neetin Mehta, Vishal Chauhan, Akshay, Rohit, Arun, Mohil Thakur, Amit Kumar, Puneet Sharma
2019	Singing competition	National	Nill	1	Nill	Paramjeet Singh
2019	Paper presentation	National	Nill	1	P.hd scholar	Anupriya thakur

	at b.r.amb edkar centre p.u .chandigar h					
2019	Slogan writing at b.r.ambedk ar centre p.u.chandi garh	National	Nill	1	Mau19ucl 002	Simran kaur

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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, it is important that students shall be given the opportunity 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. MAU has established the Central Students Council (CSC) at the university level and School Students Council (SSC) at each school. MAU facilitates the students to actively participate in various activities through the 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. The 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. organize Fresher's Party, Farewell Party, MAU Annual Fest, National and International event celebrations, social awareness programs etc. The class representatives are helpful in ensuring 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 2019-20, helped in organizing the following activities in the School of Management: • Teacher's Day • World Tourism Day • Vasantotsav-2020 • 150th birth anniversary of Mahatma Gandhi • Childrens day • National voters' day • Vasant Panchami • Science Day • International women's day • Guest Lectures • Webinars

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

5.4.2 – No. of registered Alumni:
690

5.4.3 – Alumni contribution during the year (in Rupees) :
69000

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)

The University has a mechanism of providing operational autonomy to various functionaries in order to ensure a decentralized governance system. A. Top Level VC is the chairperson of the IQAC. The VC constitutes different committees for planning and implementation of different academic, student administration, and related policies. All academic and operational policies are based on the unanimous decision of the governing body, the IQAC. 2. Faculty level: Faculty members are also involved in the preparation of various Role Responsibilities for various activities. Faculty members are given representation in various committees/cells nominated by VC like the IQAC and other committees. Every year, the composition of different committees is changed to ensure uniform exposure of duties for the academic and professional development of faculty members. Following are the different committees/Cells at the University level: ? Board of Management ? Governing Body ? Academic Council ? Advisory Board ? Planning Board ? University Development Committee ? Finance Committee ? Examination Committee ? Research Advisory Committee ? Maintenance Committee ? Technical Committee ? Transport Committee ? Sports Committee ? Literary and Cultural Committee ? Student Grievance Redressal Committee ? Student Welfare Committee ? Sexual Harassment Prevention Committee ? Alumni Relation Committee ? Internal Quality Assurance Cell ? Gender Sensitisation Cell ? Training Placement Cell ? Anti-Ragging Cell ? Anti-Ragging Squad ? Minority cell ? SC/ST Cell ? OBC Cell Following are the different sub-committees at the school level: ? Academic committee ? Administrative committee ? Technical committee ? Departmental Research Committee ? Board of Studies ? Anti-ragging committee

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	The model curriculum has been drafted for all courses recommended by Regulatory bodies with the requirements of the Industry. At the end of every semester feedback based on curriculum has been collected from the students and faculty. Also the feedback from the representatives of Industry has been

	taken time to time. The recommended developments and amendments in curriculum are first examined by the IQAC and the Director of the concerned School. After that the proposed amendments are put in the departmental Board of Studies (BOS) meetings, where the external and internal members of parent University and other Universities discussed the proposed changes. Before final approval the recommendations of Board of Studies (BOS) meetings are placed in the meeting of the Academic Council where the experts from academic and industry review the suggested. The review and up-gradation are done periodically in the University depending on the suggestion of all stakeholders.Students are asked to present seminars on new developments during class hours. To augment the curriculum school conducts several value-added courses. Further, extra practical labs are conducted to prepare students for exams. Visits to Industrial have been organized for students to let them know things practically working methods, through interaction, and employment practices.
Teaching and Learning	Before the start of the session University follows the Academic Calendar prepared well in advance. Experts from the industry and Academic are also invited from time to time for covering the practical and technical aspects of the subjects. For every group of 15 – 20 students, a faculty member is assign as a mentor, who also organized the meeting with students regularly and communicates with their parents about the performance of the students. Industrial visits are arranged continuously to enhance the management skills of the students in the practical implementations of the learned theoretical concepts. For better teaching and learning Microsoft Teams learning management system is used. 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.The platform is used for uploading preparing question papers, PPTs, conducting mock quizzes, model answers, giving assignments, etc. Together with 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. 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.
Examination and Evaluation	To pursue well-balanced continuous evaluation system, University has been adopted both the theoretical and the practical prospects. The credit-based evaluation system is followed by the University. The entire evaluation systemhas been achieved through mix of internal and external evaluations. The internal evaluation includes attendance, assignments, midterm assessments, class participation, internal etc., while the external evaluation includes theory examination, external practicals, research projects, internships, etc. Mock tests and Regular tests have been 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 confidentially 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 set up certain rules and regulations for the promotion of research and innovation activities with well-defined policy. The committee evaluates the worth and can make necessary recommendations in the research work of the scholars. The Departmental Research Committee (DRC) monitors the research work of the scholars of the department. 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. As per the norms and directives of Innovation Cell, Ministry of Education, Government of India, Maharaja Agrasen University

	has successfully established the Institute Innovation Council (IIC) on 21stNovember 2018 for motivating such actities among students.
Library, ICT and Physical Infrastructure / Instrumentation	University has set up central library which contains more than 19,000 textbooks besides the accessibility of e-books. University central Library has a well-furnished and spacious 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. 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'. There are 474 Computer Systems installed in the University.University is fully Wi-Fi with adequate firewall and security measures like Nebero. A bandwidth of 60Mbps is available for accessing the web. 48 printers are available in the University including one colored printer. The student to computer ratio is 1:4. LAN Connection with fiber optic cables and coaxial cables (CAT-6) is available throughout the Campus. 13 Uninterrupted Power supplies are available within the Campus.
Human Resource Management	Every year, at the end of every academic year, the Schools of University send the requirement of Faculty to the HR Department of the University. On the basis 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 member 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 Memorandum of Understanding (MoU) since its inception with reputed organizations
Admission of Students	The students are admitted in the University 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-governace area	Details
Planning and Development	Information Communication Technology (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 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	The University has a mechanism for internal and external audits. 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. 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. Vishal Kumar	Universiti Sains Malaysia	Maharaja Agrasen University	25000

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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	Research Methodology and Data Analysis	Nill	08/07/2019	14/07/2019	50	Nill
2019	Workshop on Defect free Construction, Repair and Maintenance	Nill	16/09/2019	20/09/2019	12	Nill
2019	FDP on "Use of ICT in Life Sciences"	Nill	28/11/2019	07/12/2019	68	Nill
2019	One Week Faculty De	Nill	02/12/2019	06/12/2019	29	Nill

	velopment Program on "Python Programming with Industry Perspective"					
2019	One Week Faculty Development Program on "AI Machine Learning"	Nill	23/12/2019	27/12/2019	30	Nill
2020	One Week Faculty Development Program on "Natural Language Processing"	Nill	06/01/2020	10/01/2020	25	Nill
2020	One Week Faculty Development Program on "ICT Tools for Teaching, Learning Process amp Institutes"	Nill	13/01/2020	17/01/2020	64	Nill
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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
4 Days online workshop on FEMA by ICSI New Delhi	1	20/05/2020	23/05/2020	4
4 Days online workshop on Drafting, Pleading and appearing CC by ICSI New Delhi	1	27/05/2020	30/05/2020	4
Workshop on Defect free Construction, Repair and	12	16/09/2020	20/09/2020	5

	Maintenance				
	One-week Faculty Development Programme on "ICT tools for Teaching, Learning Process Institutes" Jointly organized by Electronics ICT Academics at MNIT jaipur, NIT Patna IIITDM Jabalpur and IIT Guwahati	64	13/01/2020	17/01/2020	5
	IIC Online Sessions conducted by Institutions Innovation Council (IIC) of MHRDs Innovation Cell, New Delhi	5	28/04/2020	22/05/2020	24
	'MOODLE Learning Management System', V. P. Institute of Management Studies and Research, Sangli	1	12/05/2020	17/05/2020	6
	3-Days National Online Faculty Development Programme on "Digital Literacy: Stepping into a New Normal" organized by MIT-ADT University, Pune	2	21/05/2020	23/05/2020	3
	Practical Approach to Data Analysis,Indira Gandhi University,	1	08/06/2020	14/06/2020	7

Meerpur, Rewari.				
3-days Long D AVCB-CUPB-INYAS Lecture workshop # 'Zero waste' encompassing 9 Lecture	10	16/06/2020	18/06/2020	3
One week Faculty Development Programme on Image Authentication, WSN IoT	6	22/06/2020	26/06/2020	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
127	127	102	102

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
• 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. • Transportation facility	• 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.	• 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.

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	24749150	Fee concession given to the students
[View File](#)		

6.4.3 – Total corpus fund generated

625576757

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)

NA

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 Counselling 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)

? The University organize guidance lectures of eminent personalities. ? The

faculty help non-teaching staff in drafting letters and notices. ? Free Health Check up Camp is organized for the support staff.

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

? Motivate Faculty Members for Publishing articles in High Impact Journals. ? Benchmarking of outreach activities ? Putting efforts on soft skills and latest technologies to make students industry ready.

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
2019	Research Methodology and Data Analysis	08/07/2019	08/07/2019	14/07/2019	50
2019	Workshop on Defect free Construction,Repair and Maintenance	16/09/2019	16/09/2019	20/09/2019	12
2019	Faculty Development programme on Use of ICT in Life Sciences	27/11/2019	27/11/2019	08/12/2019	68
2019	Faculty Development Programme on Python Programming with Industry Perspective	02/12/2019	02/12/2019	06/12/2019	29
2019	Faculty Development Programme on AI Machine Learning	23/12/2019	23/12/2019	27/12/2019	30
2020	Faculty Development ProgrammeNatural Processing Language (ICT Based)	06/01/2020	06/01/2020	10/01/2020	25

2020	One-week Faculty Development Programme on "ICT tools for Teaching, Learning Process Institutes"	13/01/2020	13/01/2020	17/01/2020	64
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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. Rangoli Competition on 'Save Girl Child'	11/10/2019	11/10/2019	26	14
2. One day workshop on legal cum general awareness on the issues related to women	20/11/2019	20/11/2019	110	60
3. National Science Day Celebration focal theme 'Women in Science'	28/02/2020	28/02/2020	98	215
4. International Women's Day	08/03/2020	08/03/2020	150	65

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
? Renewable source of energy (Solar Panels with average annual generation of 427200 kWh) ? Waste water from the campus is used for gravity-induced drip irrigation for lawns. ? The university makes every effort towards the adoption of green practices, to comply with global needs. Often, the staff members educate the students to take care of the environment for better living. ? The sale of plastic water bottles is prohibited in campus. ? Separate bins have been provided for non-biodegradable waste and biodegradable waste. These have been kept at strategic locations in the university campus. The students are advised not to bring plastic items in the campus. ? Water sprinklers are installed in the garden area to reduce and optimize the consumption of water. ?

The tree plantation program in the University includes plantation of various types of ornamental and medicinal wild plants of different species. This program helps in maintaining an eco-friendly environment within the university as well as surrounding areas. Percentage of the power requirement of the University met by the renewable energy sources 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	Nill
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
2019	1	1	08/07/2019	7	National Workshop	Research Methodology and Data Analysis	50
2019	1	1	26/08/2019	1	Regional Seminar	Investor Education	95
2019	1	1	25/09/2019	3	Workshop	Problem solving using green technologies	120
2019	1	1	26/09/2019	1	One day seminar on 150th anniversary of the Periodic Table of Chemical Elements	Patterns in Nature and Discoveries in Science technology	200
2019	1	1	27/09/2019	1	World Tourism Day	Tourism Jobs: A better future for all	150

2019	1	1	02/10/2019	1	Gandhi Jayanti	Swachata Abhiyan Anti-Drug Regime	100
2019	1	1	09/10/2019	1	Intra-Moot Court Competition	Development of the Advocacy Skill of Students	24
2019	1	1	11/10/2019	3	Innovation Day Campaign	Innovation talk, creativity, project display	250
Nill	1	4	19/11/2019	7	National Pharmacy Week	Educate before you Medicate	200
Nill	1	1	20/11/2019	1	Workshop	Legal-Cum-General Awareness on the Issue related to Women	136
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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	01/07/2019	The Student handbook is uploaded on the University's website for the students. Any deviation, if found, is taken to disciplinary committee for necessary action. Hostels are regularly monitored to strengthen compliance of code of conduct. Mentor Mentee set up is made more vigilant to ensure adequate attendance.
Staff Member's handbook on code of ethics and conduct	01/07/2019	Code of conduct is displayed at few prominent places in the campus and uploaded on the University's website for attention of the employees. Periodical

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Havan on Inauguration of new session	05/08/2019	05/08/2019	500
Tree Plantation Day	10/08/2019	10/08/2019	75
Independence Day	14/08/2019	14/08/2019	200
Vijay Divas	26/08/2019	26/08/2019	95
Teachers Day	05/09/2019	05/09/2019	413
Dr.A.P.J Abdul Kalam Birthday	11/10/2019	11/10/2019	110
Sardar Patel Jayanti/ Ekta Divas	31/10/2019	31/10/2019	120
Paryavaran Raksha Sankalp Diwas	25/11/2019	25/11/2020	260
Himachal Pradesh Statehood Day	24/01/2020	24/01/2020	200
Vasantotsav-2020	25/02/2020	27/02/2020	600
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Tree plantation was done in the campus by NSS team 2. University has Installed rooftop solar power panels. 3. Rain water harvesting system implemented in the campus. 4. The students are encouraged to use university/public transport/car pool facilities for their day-to-day commutation. 5. 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 6. The University has modernized the offices in the campus with appropriate equipment and auxiliaries to make it paperless in the near future in compliance with the global trends. 7. Designated parking area is marked near the entrance of the university to maintain the air quality.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

? Providing Community Services to 5 adopted nearby villages under Unnat Bharat Mission on regular basis such as : 1. Tree Plantation 2. Hygiene awareness camps 3. Yoga and Health awareness 4. Swatchhta Abhiyan 5. Anti Drug Campaign 6. Medical camp 7. Road Safety Awareness ? Faculty Advancement/Development Programs • Program for Faculty/Student to motivate Innovation/IPR/Start-ups/Entrepreneurship • Covid-19 awareness Programs for faculty and students during lock-down • Use of ICT tools in life sciences • Faculty Orientation Program

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

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

? IIC Lab/Research Lab establishment for motivating Innovative ideas and critical thinking among students and faculty (Establishment: 24th Sept 2019) University motivates and encourages its faculty members to participate in various research activities, conferences, etc. Under IIC MHRD, it conducts events like Smart India Hackathon, webinars, various competitions, etc. Hence, priority is given for developing research and innovative culture in the university and this has become the most important thrust area for the IIC. • Won Software Hackathon in 2019 Got Rs. 50,000/- in cash by Ministry of Aayush • Patent Filing by faculty • New innovative sanitizer equipment made for COVID-19 fight-back named: "Contact-Less Gesture-based Hand sanitizer" Recognized by ICMR, Chandigarh ? Mobile Medical Van Facility for villagers (in collaboration with ONGC) University provides free Health check-ups and medicine distribution through its own mobile medical van to the villages in close proximity. Hundreds of villagers of the vicinity get benefit from this facility. ? 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.

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 2020-21 is as follows: 1. To adopt blend of pedagogy during virtual mode of teaching through Microsoft Team. 2. To prepare and submit more research projects to various funding agencies. 3. To emphasise on organization of more Conferences/ Seminars / Workshops/ FDP/ Guest lecture/ Expert talk etc. at all School level. 4. To motivate faculty members for developing more e-contents. 5. The committee members suggested that the students must be encouraged to take part in extra co-curricular activities to be held in or outside the University. 6. The members of the committee suggested exploring the consultancy services along with sponsored research projects and it is also advised to all the faculty members to go as resource person in conferences and seminars. 7. Faculty members will be motivated to apply for National/International fellowship for advanced studies/ research. 8. To motivate the faculty for the collaborative research with other Universities. 9. To establish business incubation centre in the University Campus. 10. To organize more number of extension and outreach activities in collaboration with Industry community and Non- Government Organisations . 11. To Increase the number of Collaborative activities for research, faculty exchange, and student exchange to be increased. 12. To Introduce new courses in School of Management and School of Pharmacy.