



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	SHOOLINI UNIVERSITY OF BIOTECHNOLOGY AND MANAGEMENT SCIENCES
Name of the head of the Institution	Prof. Prem Kumar Khosla
Designation	Vice Chancellor
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	01792308000
Mobile no.	9816064182
Registered Email	iqac@shooliniuniversity.com
Alternate Email	vc@shooliniuniversity.com
Address	Village Bajhol, Post Office Sultanpur
City/Town	Solan
State/UT	Himachal pradesh
Pincode	173229

2. Institutional Status					
University	Private				
Type of Institution	Co-education				
Location	Rural				
Financial Status	private				
Name of the IQAC co-ordinator/Director	Ms. Varsha Patil				
Phone no/Alternate Phone no.	01792308000				
Mobile no.	9857550999				
Registered Email	iqac@shooliniuniversity.com				
Alternate Email	varshapatil@shooliniuniversity.com				
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)	https://shooliniuniversity.com/pdf/AQAR 2017-18.pdf				
4. Whether Academic Calendar prepared during the year	Yes				
if yes,whether it is uploaded in the institutional website: Weblink :	https://shooliniuniversity.com/pdf/ACAD EMIC%20CALENDAR%202018-19.PDF				
5. Accreditation Details					
				Validity	
Cycle	Grade	CGPA	Year of Accrediation	Period From	Period To
1	B++	2.92	2016	16-Dec-2016	15-Dec-2021
6. Date of Establishment of IQAC	26-Dec-2014				
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		

No Data Entered/Not Applicable!!!

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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 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?

No

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

No Data Entered/Not Applicable!!!

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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	Achievements/Outcomes
No Data Entered/Not Applicable!!!	
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Academic Council	19-Jul-2019
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	25-Feb-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>Yes, Shoolini University has a well designed Management Information System and has developed inhouse enterprisewise information on intranet known as myShoolini. It is the most comprehensive source of information on academic and nonacademic matters, programmes and policies of relevance to students, faculty, and staff members. myShoolini describes the code of conduct and fundamental standards stating the expectation from all key stakeholders and interested parties. Few reports generated on myShoolini are Report of Enrolled Students, Registration analysis, Domain/Open Elective Courses: Students faculty attendance, session plans and Internal/External marks. Timetable: Faculty Allotment, Consolidated timetable report, class allocations, etc. Apart from this, Shoolini University has developed eUniv portal to supplement classroom teaching wherein syllabus and lecture plans, video lectures are developed and provided to students for all courses taught in the university. Students can access this with login and password provided at the time of registration. eUniv also acts as a platform for online examinations, class discussions, case studies etc. Feedback from various stakeholders is also taken and analyzed. The reports/analysis are disseminated horizontally and</p>

vertically and are incorporated in the institutional review, planning and decision making. Periodic reviews are conducted at the institutional domain and university level where the analyzed and interpreted data is considered for the effectiveness of the research function and the suitability and usefulness of the data generated. The results of the analysis and audits are informed to the concerned authorities and Management through Management Review Meetings and One to one interaction periodically.

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
No Data Entered/Not Applicable !!!			
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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
No Data Entered/Not Applicable !!!				
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
MSc	Yoga	01/08/2018
BSc(Agriculture)	Agriculture	01/08/2018
No file uploaded.		

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
BTech	Introduction to World Cuisines - Open Elective	01/08/2018
BTech	Network Marketing - Open Elective	08/01/2019
BJ	Becoming an RJ - Open Elective	08/01/2019
BTech	The Japanese way to cleanliness - Open	08/01/2019

	Elective	
BA	Gender Study	08/01/2019
BSc	Introduction to World Cuisines - Open Elective	01/08/2018
BCom	Introduction to World Cuisines - Open Elective	01/08/2018
BBA	Introduction to World Cuisines - Open Elective	01/08/2018
BA	Introduction to World Cuisines - Open Elective	01/08/2018
BSc	Network Marketing - Open Elective	08/01/2019
BCom	Network Marketing - Open Elective	08/01/2019
BBA	Network Marketing - Open Elective	08/01/2019
BA	Network Marketing - Open Elective	08/01/2019
BTech	Becoming an RJ - Open Elective	08/01/2019
BSc	Becoming an RJ - Open Elective	08/01/2019
BCom	Becoming an RJ - Open Elective	08/01/2019
BBA	Becoming an RJ - Open Elective	08/01/2019
BA	Becoming an RJ - Open Elective	08/01/2019
BSc	The Japanese way to cleanliness - Open Elective	08/01/2019
BCom	The Japanese way to cleanliness - Open Elective	08/01/2019
BBA	The Japanese way to cleanliness - Open Elective	08/01/2019
BA	The Japanese way to cleanliness - Open Elective	08/01/2019
BTech	Gender Study	08/01/2019
BSc	Gender Study	08/01/2019
BCom	Gender Study	08/01/2019
BBA	Gender Study	08/01/2019
BA	Gender Study	08/01/2019
BTech	CSE - Artificial Intelligence	01/08/2018

BTech	CSE - Cloud Computing	01/08/2018
BTech	CSE - Cyber Security	01/08/2018
BTech	EE - IoT	01/08/2019
BTech	Robotics and Automation	01/08/2018
MBA	Business Analytics	01/04/2019
BTech	Computer Programming	01/08/2018
BTech	Developing Patents	01/08/2018
BTech	Python	01/08/2018
BBA	Industrial Waste Management	15/01/2019
MBA	Management of Investment (AMFI)	01/04/2019
BTech	Food Processing Technology	01/08/2018
BSc	Himalyan Biodiversity	01/08/2018
BSc	Spirituality and Meditation	01/08/2018
BTech	Functional Foods	01/08/2018
BSc	Yoga for Daily Life	01/08/2018
MBA	Network Marketing	01/08/2018
BTech	IPR Biosafety and Bio Ethics	15/01/2019
BA (Journalism)	Digital and Social Media	01/04/2019
BTech	Food Packaging Technology	15/01/2019
BBA	Business Organization and Management	01/08/2018

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
No Data Entered/Not Applicable !!!		
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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
No Data Entered/Not Applicable !!!		
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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
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1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

Feedback Obtained

We conduct a comprehensive feedback mechanism at the end of every session through our LMS eUniv every session since 2015, wherein students across various faculties participate in the process and provided us with valuable insights into our academics and overall scenario. All the Deans and Head of Schools are requested to direct various course coordinators/ class teachers to take their respective classes to the central IT Lab and get the feedback filled. Alternatively, they can get the same filled in the classes through mobiles/laptops. Central eUniv team assists the smooth conduct of the feedback process with the cooperation of the respective School administration and staff. That the feedback is anonymous and completely confidential is clearly conveyed to the students. All the Deans/HOS ensure that no teacher is allowed to influence the feedback through unfair means. In our bid to maintain 100 transparency, the feedback is opened for all the courses to their respective teachers after the results are declared. All faculty are made aware that the feedback is a professional exercise that should be taken in the right spirit and utilized for further strengthening raising our teaching standards. Under no circumstances does this reflect on a teachers behavior towards students or be even discussed with them. A detailed analysis of the feedback is utilized for in-depth introspection and improvement of the organization in the mutual interest of all stakeholders. Teachers having low feedback are counseled, trained and guided towards improvement, failing which they are relieved from taking that subject in the future. Likewise, after taking the generic feedback every year named "Manthan" separately from students and employees, corrective and counteractive methods are taken to ensure the removal of grievances.

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
No Data Entered/Not Applicable !!!				
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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	1989	992	108	119	119

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-	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
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	Resources)				
227	227	29	137	48	15
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)

Student mentoring and support has been an integral part of University objective. The prime focus of the University is to develop the mental, physical and social aspects of every student to its full potential thus ultimately contributing to national development. Academic and non-academic growth of an individual is monitored at the university and at the school level, using a well-defined mechanism. The various levels of student mentoring and support are designed in such a way that from the time of admission to becoming alumni each individual is supported by a mentor. In order to cater to the needs of each student, the University emphasizes creating a congenial environment for teaching and learning process. Special attention is provided for, women, international students, underprivileged and physical disabled students. The Vice-Chancellor, Deans of faculty, Dean Student Welfare, Dean Resident Students, Head of Schools, Program Coordinators and Mentors participate in activities related to student mentoring and support. Students are encouraged to become a part of University programs and their feedback is obtained to enrich academic and non-academic quotients. The University has a multi-level system for students to support and mentoring. The University focuses on the overall development of students in a holistic way. Foreign students are provided all the basic facilities and support to adjust in the new environment. They are assigned a faculty as well as a student mentor. A Faculty mentor is assigned to each student. Mentors supervise the academic performance and provide psychological support. Mentors also guide the students to take up the research projects and other initiatives like organizing events and participation in extracurricular activities etc. The tutorials and mentorship to students help to create self confidence in the student community. The up-skill through SPRINT programs is an innovative initiative of the University which helps the students to develop personality and build their level of confidence. The University is supportive in providing quality infrastructure facility to teachers and students and the existence of e-library online courses, Wi-Fi campus etc. are ready instances. The University has a dedicated and student driven proactive 'Placement and Career Development Cell' to look after activities related to career development, training and placement of students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3131	227	1:13.8

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
48	48	0	48	23

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
No Data Entered/Not Applicable !!!			
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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
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No Data Entered/Not Applicable !!!

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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
4	1000	0.004

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://shooliniuniversity.com/pdf/PO%20&%20COs%20combined.pdf>

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
No Data Entered/Not Applicable !!!					
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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://shooliniuniversity.com/pdf/Feedback%20Survey%202018-19.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

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

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Mr. Sunil Pathania	PhD	01/07/2018	IIT, Ropar
National	Dr. Deepika Jamwal	Post Doc	01/07/2018	Panjab University, Chd.
International	Dr. Amit Kumar	Post Doc	01/07/2018	Shenzhen University, China
International	Dr. Gaurav Sharma	Post Doc	01/07/2018	Shenzhen University, China
International	Dr. Sourabh	Post Doc	01/07/2018	Kauno Technologijos Universitetas
International	Mr. Sanjay Bhardwaj	PhD	01/03/2018	National Institute of Technology,

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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
JRF	365	Indian Council of Medical Research
JRF	1095	Himachal Pradesh state biodiversity board (HIMCOSTE, Shimla)
JRF	1095	SERB-DST
JRF	1095	National Mission on Himalayan Studies (NMHS)
JRF (2)	730	Himachal Pradesh state biodiversity board (HIMCOSTE, Shimla)
Research Associate	730	Himachal Pradesh state biodiversity board (HIMCOSTE, Shimla)
Research Project Fellow	1095	National Mission on Himalayan Studies (NMHS)
SRF	730	Himachal Pradesh state biodiversity board (HIMCOSTE, Shimla)
SRF-DST INSPIRE	1095	Department of Science and Technology
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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
No Data Entered/Not Applicable !!!				
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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
No Data Entered/Not Applicable !!!		
View File		

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
Startup Himachal Pradesh Yatra	Shoolini University	Ministry of Commerce and Industry (at IIT Mandi)	28/11/2018	Solar dryer for vegetables or fruits

Next Generation Pteridology - The Indian Perspective	Dr. Chandrika Attri	The Indian Fern Society	08/03/2019	Isolation, Identification and Molecular Characterization of an endophytic fungi from Ampelopteris prolifera
International Conference on Science - Emerging Scenario and Future Challenges	Mr. Rajan Rolta	Him Science Congress Association	08/09/2018	Best Poster Award
Innovation in Agriculture - Startup India	Shoolini University	IIT Mandi	28/11/2018	Innovation in Agriculture
Technical Live Project Exhibition	Shoolini University	Chandigarh Group of Colleges, Landran, Chandigarh	15/11/2018	Model on Advanced Polyhouse Structure
Emerging Scenarios and Future Challenges - Oral Presentation	Ms. Mamta	Himachal Pradesh Council for Science Technology and Environment (HIMCOSTE)	08/09/2018	Best Poster Award
International Capacity Development Program of Beijing Normal University	Prof. Ashutosh Mohanty	Beijing Normal University	01/03/2019	Best Coordinator for Capacity Development in Himalayan Region
Asia Pacific Economic Cooperation - Disaster Risk Deduction Program	Prof. Ashutosh Mohanty	Asia Pacific Economic Cooperation	25/09/2018	Best Climate Change Speaker
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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
Yes	Steve Jobs Incubation Cell	Shoolini University	AADDOO Softech Private Limited	IT	15/08/2018
Yes	Steve Jobs Incubation Cell	Shoolini University	Shoolini Lifesciences Private	Life Sciences	15/08/2018

Limited

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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
Faculty of Applied Sciences and Biotechnology	18
Faculty of Basic Sciences	18
Faculty of Management Sciences and Liberal Arts	5
Faculty of Pharmaceutical Sciences	5

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)
No Data Entered/Not Applicable !!!			
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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 Pharmaceutical Sciences (4 International Conference Proceedings and 3 Book Chapters)	7
School of Chemistry (Book Chapter)	5
School of Physics and Materials Science	5
School of Electrical CSE	13
School of Mechanical and Civil Engineering	42
School of Business Management Liberal Arts	19
School of Biotechnology (Book Chapters)	7
School of Biological and Env. Sciences (Book Chapter)	1
School of Bioengineering and Food Technology (2 Books and 2 Book Chapters))	4
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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
No Data Entered/Not Applicable !!!			
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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	Name of	Title of journal	Year of	Citation Index	Institutional	Number of
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Paper	Author		publication		affiliation as mentioned in the publication	citations excluding self citation
No Data Entered/Not Applicable !!!						
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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
No Data Entered/Not Applicable !!!						
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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	61	138	17	7
Presented papers	52	32	10	2
Resource persons	17	28	10	4
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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)
No Data Entered/Not Applicable !!!			
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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
Faculty of Management Sciences Liberal Arts	Role of Regulators to support growth of higher education and improve quality standards	CII	0	300
Faculty of Management Sciences Liberal Arts	Nuances of Leadership	Vibrant Networking Forum	0	250
Faculty of Management Sciences Liberal Arts	VLCI training on Lean Manufacturing	Green Hills Engineering College	0	24
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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
No Data Entered/Not Applicable !!!			
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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
Cancer Awareness	Appreciation Letter	YouWeCan	1650
Muscular Dystrophy	Appreciation Letter	Indian Association of Muscular Dystrophy	145
Swachh Bharat	Appreciation Letter	Healing Himalayas	1840
Cloth Donation	Appreciation Letter	Goonj	460
Drug Abuse	Appreciation Letter	ATTAC	2340
Road Safety	Appreciation Letter	Traffic Police, Solan	1660
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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
No Data Entered/Not Applicable !!!				
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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
Research Visit	62	Shoolini University and Partner University	3
Student Exchange (Inbound and Outbound)	35	Partner University	135
Teaching - International Faculty	2	Shoolini University	1080
Higher Studies - MS Biotech	1	Partner University	360
Higher Studies - MS Biotech	3	Partner University	720

Higher Studies - PhD Physics	2	Partner University	1080
International MoUs	18	Shoolini University and Partner University	365
National MoUs	10	Shoolini University and Partner University	365
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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
No Data Entered/Not Applicable !!!					
View File					

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
No Data Entered/Not Applicable !!!			
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
370	214.35

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	Existing
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Newly Added

Laboratories	Newly Added
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 partially)	Version	Year of automation
KOHA	Fully	18.05	2013
Duolingo (Language Lab)	Fully	-	2017
eUniv studio (Camtasia, Moodle)	Fully	-	2014

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			
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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	373	6	500	21	60	44	60	500	0
Added	20	0	765	3	0	4	10	765	0
Total	393	6	1265	24	60	48	70	1265	0

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

1265 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
eUniv Studios	https://www.youtube.com/watch?v=q0V50nsqIGE
Radio Shoolini Media Centre	https://www.youtube.com/watch?v=pBmdB06

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
1403.5	1407.94	538.1	479.28

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)

University ensures optimal allocation and utilization of the available financial resources for maintenance and upkeep of different facilities by holding regular meetings of various committees constituted for this purpose and using the grants received by the university as per the requirements in the interest of students. Laboratory: Record of maintenance account is maintained by lab technicians, Lab In charge and supervised by HODs of the concerned departments. The research records are being maintained by all the lab members in the lab notebooks which are being deposited in the research office of the University once the student/faculty leaves the university. Maintenance of laboratories: The calibration, repairing and maintenance of sophisticated lab equipment's are done by the technicians of related owner enterprises. Library: a) The requirement and list of books is taken from the concerned departments and HOD's are involved in the process. The finalized list of required books is duly approved and signed by the Director of Library. b) Suggestion box is installed inside the reading room to take users feedback. Their continuous feedback helps a lot in introducing new ideas regarding library enrichment. c) Other issues such as weeding out of old titles, schedule of issue/ return of books etc. are chalked out / resolved by the library committee. d) Internally developed KOHA based interface is implemented in library. e) EBSCO platform is subscribed in library covering 12,000 journals 2 million books in fully downloadable formats. Sports: Regarding the maintenance of sports equipment, the sports in charge is deputed. During the session 2018-19, university participated in badminton, volleyball, table tennis, basketball, yoga, etc. at the national championship. Computers: 1. Centralized computer laboratories are established in various academic blocks. 2. ERP software is used for maintaining faculty and students' details. 3. Each School having appropriate computer for their requirements. 4. Internet and WIFI Enabled campus. 5. Open access journals facilities are available. Classrooms: 1. The college has various committees for maintenance and upkeep of infrastructure. At the departmental level, HODs submit their requirements to the Dean regarding classroom furniture and other. 2. Administrative officers will take in charge for student's academic requirements. Additionally: There are lab instructors in every school, who maintains the stock register by physically verifying the items round the year. 1. School wise annual stock verification is done by concerned Head of the Department. 2. Regular maintenance of Computer Laboratory equipment's is done by Laboratory Assistant along with Laboratory attendant and they are headed by the faculty in charge. 3. Regular cleaning of water tanks, proper garbage disposal, pest control, landscaping and maintenance of lawns is done by Institute concern Employees. 4. All drinking water outlets are now installed with 3M water purification system. 5. Campus maintenance is monitored through regular inspection. 6. Upkeep all facilities and cleanliness of environment in men's and women's hostel is maintained through Hostel monitoring committee. The maintenance of the reading room and stock verification of library books is done regularly by library staff.

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	Single Girl Child (Income Below Rs 5 lakh), Sibling Scholarship (Income Below Rs 5 lakh), Single Parent (Mother) Child, Merit-cum-Means Scholarship, Ph.D. Scholars, BPL Scheme, Employee/Ward Scholarship	885	30078259
Financial Support from Other Sources			
a) National	Dr. Ambedkar Post-Matric Scholarship Scheme, Kalpana Chawla Chhatravritti Yojna Scheme, Post-Matric Scholarship Scheme to SC/ST/OBC Students	41	392000
b) International	0	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
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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	GATE	2	0	2	0
2018	Python	29	29	29	16
2018	Aptitude Classes for	200	200	0	0

	Competitive Exams				
2019	Placement Counselling	0	406	0	281
2019	UGC-NET	3	0	3	0
2018	UGC-SET	1	0	1	0
2019	GPAT	101	0	7	0
2019	Higher Studies	0	377	0	0
2019	Coaching for Defence Services	31	31	0	0
2019	Inspirational Leadership Sessions for UPSC Exams	750	750	0	0
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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
0	0	0

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
No Data Entered/Not Applicable !!!					
View File					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	2
NET	3
SET	1
Any Other	9

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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
No Data Entered/Not Applicable !!!		
View File		

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
No Data Entered/Not Applicable !!!						
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The variety and complexity of task performed by the university requires interdependence among administrators, faculty members, students and members of the support staff. Participative decision making in university governance has been practiced since beginning. Students are also members in various academic and administrative bodies and committees like IQAC, Institution Innovation Council, etc. through this University ensures that the voices of the students are heard in all matters related. The participation of student representatives in these committees also act as a platform for the students to address their concerns and present their ideas and suggestions. University provides multiple platforms for the students to engage creatively in their campus life and learn to develop responsibility and leadership skills. Different clubs like 'Raagrang' for music and dance, 'Saamarthya' for entrepreneur development, 'Baawle Bawarchi' for cooking, 'Shutterbugs' for photography, 'Dramebaaz' for drama, the Tracking and Hiking club, etc. are functional under the umbrella of 'Abhiruchi' where students get opportunity to showcase their talent in different fields. These clubs are managed and operated by the students. Various programs are organized and conducted under Abhiruchi like arts club, sports club, planning forum, women's cell etc. These programs do play a major part in implanting traits like teamwork, sportsman spirit, the drive to stride for bringing the best in one's self etc. Students are encouraged to celebrate and participate in various other events like cultural programs, quizzes, fests, women's day, pharmacist day, blood camps, painting and rangoli exhibitions etc. Induction program and annual cultural fest are another big annual events completely managed and operated by students. The Institution Innovation Council @ Shoolini is one among the best performing IIC's of the country and is completely managed by the students. Shoolini students are also actively involved in various Social Projects few are mentioned hereunder: YouWeCan - Association started in 2016 for Cancer Awareness. Formal MOU was signed in 2017. Close to two dozen camps organized by HP, Chandigarh, and Punjab more than 2000 people are already screened for breast and oral cancer. Doctor teams. are sent from YWC and the volunteer students from Shoolini Campaigns against drug abuse and tobacco cessation have also been organized. Free health check-ups of housekeeping staff and women of barog have been done. Care and Share group visits various places like IAMD hospital which had a regular inflow of patients with muscular dystrophy. Students help to boost the morale of the patients and families and also support documentation and other requirements at the hospital. They also make regular visits to the local orphanage and leprosy home to spend

quality time. They also have a very close association with the senior citizens of Solan where the students spend time with the aged people trying to help them to become tech-savvy. Recently, the students collected 500 kgs of old clothes during the Week of Giving and sent them to Delhi. Prayas group which lays focus on children especially the underprivileged ones. This includes adopting the primary school in the vicinity.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Shoolini Alumni Association was constituted to create a platform for students who have passed out to join hands with the University to support its vision and contribute by working together. Though the platform has still to meet its objectives since the University is still new and its alumni still at junior levels. Objectives kept in mind before the constitution of Alumni Association is given these are likely to show results in subsequent years: i. To maintain a comprehensive database of Shoolini Alumni. ii. To identify and promote alumni achievements and enhance the credibility and reputation of the University. iii. To keep the Alumni involved with the University through interaction programs, events and assist in placements. iv. To keep the Alumni engaged with the University through Social Media which helps in strengthening the association. v. To engage them in Social activities that contribute towards the development of society and nation as well. vi. Placement facilities further provided to all students even for two years after successful campus placements

5.4.2 – No. of registered Alumni:

1992

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

200000

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni meet: Alumni meets, and city-specific chapters organized by university for regular interaction of alumni, to share their experience, to share their guidance and learning curve with each other. Alumni meets and alumni chapters provide a platform for teachers and ex-students to discuss various issues on a lighter note. Alumni meet details and chapters proof: a) Fourth Alumni Chapter, NCR: July 7, 2018 b) Fifth Alumni Chapter, Tri-City: December 8, 2018

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)

All decision making and governance issues are conducted in a transparent and participative manner and the process has proved effective so far. All the Faculties function under the control of the Vice-Chancellor of the University. Power relating to the running of Schools has been delegated to the concerned Dean/HoS. Deans have different committees to suggest to him/her. Heads/Directors of the various schools have been delegated powers to take necessary decisions for the proper functioning of the School. Academic decisions pertaining to introduction, revision and reformulation of courses and syllabi are taken through the "Academic Council" after obtaining inputs from concerned Faculties and Schools. The composition of the Academic Council reflects the participative nature of the University administration. At the School level, there are bodies like Board of Studies, Research Committee, and

Examination Review Committee, etc. which function in a coordinated manner to make decisions with respect to academic and research-related issues. Student involvement is ensured through Class Representatives and Student Committees. All decision and policymaking and the strategies to be adopted are taken in the letter and spirit of the vision to strengthen the foundation. Shoolini University upholds the philosophy of participative management and ensures that every stakeholder works in a culture of achieving team goals and a sense of self-responsibility. Though the leadership may appear to be top-down, functionally it is participative at all levels. All stakeholders of the University viz. students, alumni, management, teachers and administration are deeply involved in different activities under the supervision of various statutory/functional authorities. The governing body and the Board of Management are prime administrative bodies headed by the Chancellor and Vice-Chancellor respectively. Similarly, the Academic Council, chaired by the Vice-Chancellor, is constituted of all Deans, Head of the Schools, Professors, and limited Associate Professors and Assistant Professors, along with outside academic experts. Likewise, the Joint Extension and Research Development Committees, Planning Board are represented by all Deans and Directors of the University thus providing a participative platform for promoting teaching, research, and extension.

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 University takes feedback and suggestions for the curriculum development and revision process by incorporating inputs from the potential employers, scientists, alumni and other eminent personalities who visit the campus during placement week, workshops, conferences, SPRINT program and Guru Series talks. Boards of Studies constituted at School level include external experts from industry and academics to structure and revise the curriculum for improving the employability of students. Lecture Schedules/Plans are prepared at the beginning of the semester and uploaded on eUniv. Placements of the University's students have significantly improved through regular fine-tuning of the curriculum.
Teaching and Learning	Shoolini University is committed to excellence in all aspects of learning, transmission of knowledge and developing skills and most importantly, to encourage free thinking to address complex challenges. There is a centralized body headed by the Dean Academic Affairs to review the teaching-learning process and conducts an

academic audit on annual basis. As per the recommendations of an academic audit carried out at different levels, following initiatives have been taken by the University to improve teaching, learning and evaluation: 1. Case study method adopted wherever applicable. 2. Enhancing employability through skill enhancement, outcome Driven curriculum and modern pedagogy. 3. Personal development of students through different modules, such as tutorials, mentorship, computer literacy, meditation, communication and language Proficiency etc. 4. Faculty development programmes 5. Preparation of detailed lecture schedules/plans 6. Online examinations started. 7. eUniv initiative for round the clock learning as a supplement to classroom teaching. 8. Feedback system developed for various stakeholders 9. Course completion undertaking by each faculty. 10. Online library services. 11. Publications in SCOPUS indexed journals and progress report. 12. Presentations in each semester to improve the quality of research. 13. Lab manuals prepared.

Research and Development

Shoolini University is located in the Himalayas which has a fragile ecosystem and has unique requirements. This aspect is given the highest importance while designing research and development policies. The University has, therefore, adopted a research-driven model which seeks to blend expertise in life sciences and engineering with the principles and practices of business management and blends it with industrial and societal needs for the sustainable development of the Himalayas. The University's research philosophy, therefore, rests upon the following verticals: 1. Develop excellence in scholarly standards with a focus to move into the club of internationally reckoned centers of research and education. 2. Harnessing Himalayan biodiversity, its conservation and sustainable management. 3. Develop cutting-edge technologies. 4. Foster inter institutional collaborations. 5. Focus on niche areas like health care, food, energy conservation and generation, Nanotechnology etc. 6. Conduct quality research, encourage publications in journals of global repute and file

patents The University regularly conducts workshops, training and sensitization programs, to promote research culture in the University.

Library, ICT and Physical Infrastructure / Instrumentation

In spite of being young in age, Shoolini University has a state-of-the-art infrastructure that compares favorably with some of the best institutions in India. The University's commitment towards quality education can be partly visualized if one visits any of the 105 laboratories that exist with the purpose of promoting learning through teaching, research, workshops, computing, or studio work. The University prides itself in its achievements thus far and endeavors to march in its pursuit of providing a world-class learning environment and producing the leaders of the future. Conventional teaching has been supplemented and augmented by the use of latest technology. ICT enabled classrooms to facilitate teachers to demonstrate problem-solving techniques. The library is well stocked with approx. 1.93 lac book titles in the physical and electronic form. The University subscribes to around 9,000 e-journals through USA based EBSCO and DELNET databases. These resources allow students and researchers to quality research resources, in their respective areas of research. The multi-functional Enterprise Resource Planning (ERP) system coupled with the enhanced Learning Management System (LMS) and planned Knowledge Management System (KMS) (developed in-house adapting freeware) has/ would provide an interface to teachers and the students to take the teaching-learning processes to a new level. The entire University is connected through a high bandwidth enabled wireless network and auditoriums are linked through intranet as well as the internet with video-conferencing facilities. Such a technology savvy learning environment allows students to extend and explore their research interests on a 24x7 basis. The iconic Yogananda library building has been transformed into a multi-dimensional facility and it stands out, not only as an architectural splendor but also as the pulsating heart of the University, extending knowledge on a click. At

Shoolini University, learning is not limited to classrooms and laboratories.

The latest addition is the Dr. APJ Abdul Kalaam Seminar Complex, which has two state-of-art auditoriums and three seminar rooms, with a total capacity of over 400. In addition, there is a Cineplex with a seating capacity of 150 that offers high-quality audio and visual experience to its audience. The

University offers its students excellent indoor and outdoor facilities to pursue a sport of their inclination and choice. The Open Air Theatre, auditoriums, cafeterias, open spaces nestled within the forests and the hills offer students a sylvan experience of University life that is a hallmark of the University.

Human Resource Management

The University is proactive in developing its faculty members in order to meet the requirements of a modern curriculum through various Faculty Development Programs, training sessions, workshops, conferences and visits to other institutes and frequent interactions with the experts from various fields of specialization.

Shoolini University follows a systematic process to ensure the availability of highly specialized human resources. Depending on the revision of the curriculum, requirement of knowledge domain specialist is identified at the School level which is then proposed to the registrar for approval from Vice- Chancellor and University Management. Once the requirement is approved, the recruitment process begins with advertisements of the posts in newspapers and University website giving the detailed job description and specifications. Applications received are scrutinized based on the compatibility of the candidates.

Shortlisted candidates appear for a personal interview before the expert panel, including external subject experts, constituted by the University. Initiatives taken to strengthen human resource include: 1. To have an open system of grievance handling for faculty and staff. 2. To analyse the issues raised during the exit interviews for revision in the procedures and guidelines of the university. 3. To ensure the happiness

quotient among the faculties and staff.

4. To continuously have faculty development programmes to create awareness and increase the knowledge level of faculty in university regulations and guidelines.
5. To create welfare schemes for faculty and staff.
6. To periodically conduct Surveys, Faculty Attrition analysis, Exit Interviews Analysis.
7. To continuously improve the HR Practices and processes based on the feedbacks and adopting the International best practices

Industry Interaction / Collaboration

Shoolini University recognizes the importance of providing international, industrial and corporate exposure to its students and faculty. Frequent industry exposure through industrial visits and lectures by industry experts are a regular practice. The development plans in this direction include:

- i. Expansion of the University's network and consolidate linkages.
- ii. Focus on partnership and participative cooperation.
- iii. Expand the scope of consultancy to provide the industry scientific solutions for their growth.
- iv. Strengthen the mentorship program through industry mentors both for students and faculty

As part of international tie-ups with various organizations, Shoolini University has an exchange program for students and the faculty to pursue studies and undertake research with universities, outside the country. However, the University plans to strengthen and collaborations and tie-ups with universities across the globe.

Admission of Students

The University has an Admissions Committee having representatives of each faculty under the chairmanship of the Vice-Chancellor which formulates the guidelines for admissions and reviews the admission process and Profiles of admitted students on an annual basis. The Committee has the mandate to monitor and ensure adherence to rules and regulations for admissions, as specified by regulatory bodies, both for eligibility criteria and conduct of the entrance tests. The University has put in place 'single window counseling' for prospective students and parents relating to matters concerning admissions and the

facilities being made available. On the other hand, analysis of admissions is conducted periodically so as to make changes to draw students from all sections of the society. As a result of these strategies, admissions in the University has been on the rise progressively. Amongst the sixteen private universities in the state, Shoolini University attracts the highest number of students. In order to ensure the required publicity proper advertisements are issued in local and national newspapers, TV Channels, FM Radio, University's website, and also through handbills and inserts in newspapers and outdoor hoardings. University publishes annual prospectus (information brochure) providing details of all courses with their eligibility criteria and elaborating the admission procedure, as also the facilities available in the University. All admissions are made as per the guidelines of the Himachal Pradesh Private Educational Institutions Regulatory Commission/ PCI/ UGC/AICTE. List of all admitted students for each program is posted on the University's website and the Schools' notice boards. The University does not have any Management quota.

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

E-governance area	Details
<p>Planning and Development</p>	<p>myShoolini app is developed to provide the platform to help in planning academic activities which includes Timetable, Recording of Lectures and attendance, Feedback by students. This app also captures monitors the budget formulated by the departments. This MIS helps in distributing students in batches through batch management, the faculty subject allocation, allotting subject wise infrastructure. It allows students to select Choice Based Electives. At postgraduate levels, the allotment of research topics, research guides, Research seminars, and critical reviews are done using MIS systems. This MIS system has students and Employee Grievance module which helps in the overall development of the Institute. It provides the platform for tracking the implementation of new initiatives.</p>

Administration	<p>Administrative MIS modules of the institution help in keeping service records of all the employees maintaining service books, promotion records, seniority, etc. and their total emoluments and the records of their provident fund. myShoolini app provides a pending fee module to the students so that they are aware of the fee pending if any. Transport module is developed for the issue of cards, providing real-time GPS location of a university vehicle. SciVal platform is purchased which enables us to visualize research performance, benchmark relative to peers, develop collaborative partnerships and analyze research trends.</p>
Finance and Accounts	<p>The institution has been using a competent Tally software ERP 9 to maintain and manage the inflow and outflow of the finances. The accounting starting from the foundation entries till the production of statement of accounts and financial reports required for strategic management, strategic planning is being produced through usage of the software.</p>
Student Admission and Support	<p>Admissions and Marketing Automation CRM Software ExtraEdge was implemented in order to streamline the admission process. A buddy team also formed to support the enrolled students.</p>
Examination	<p>A strong room having standalone computers were provided to the Controller of Examinations (COE), in which no memory devices are permitted. Three papers are set, out of which, one was selected by the COE. Printouts of the selected question paper are then printed in the same room. Following are the major initiatives taken</p> <ol style="list-style-type: none"> 1. Online Moodle enabled tests comprising MCQ, short answer and descriptive answer type questions have been introduced in the select course. 2. Tests are taken in a 'safe browser' mode so that no unfair means can take place. 3. Online assignments, quizzes and viva voce introduced in a few courses. 5. All evaluated answer sheets are shown to students for any redressal if at all. 6. The hybrid pedagogy of online teaching through LMS blended with contact classes is in place for all courses across the university. 7. Encryption and decryption of roll no

done to avoid student identity. 8. Double valuation check introduced to ensure that no question is left out and the total is correct. 9. The centralized evaluation system is already in place. 10. The result is declared within 1-2 weeks. 11. Plans for introducing a barcoding system is in place. Very shortly it will be introduced.

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
No Data Entered/Not Applicable !!!				
View File				

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)
No Data Entered/Not Applicable !!!						
View File						

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
No Data Entered/Not Applicable !!!				
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
227	227	147	147

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Monthly Birthday Celebrations, Free Education for the Children of Employees,	Monthly Birthday Celebrations, Free Education for the Children of Employees,	Ramps for differently-abled students, Cultural activities, Regular sports tournament,

Festival Celebrations (Diwali), Rewards Recognition (Pat on the back Award) and Support classes for Kids of Employees	Festival Celebrations (Diwali), Rewards Recognition (Pat on the back Award) and Support classes for Kids of Employees	Activity students centre, etc.
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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 both internal and external audits. Internal audit is conducted by IQAC and Dean Academic Affairs and an external audit is conducted by a Chartered Accountant on an annual basis. Jagmohan Chohda Co are the external auditors since 2009. Dean Academic Affairs and IQAC have been assigned the responsibility of conducting a detailed academic audit of each faculty/school. However, external experts are also invited to evaluate academic performance across the faculties. All academic activities of the school such as courses offered, teaching-learning methods, teaching and research facilities, number of faculty members and workload, research initiatives, conferences/workshops/seminars attended/conducted, books and papers published and research grants, etc. are evaluated. Recommendations of the academic audit are duly implemented in the subsequent period. The academic performance in each School is evaluated through the frequent meetings of Academic Committees under the chairmanship of Faculty Dean/HOS and the opinion of external experts is also taken to attain academic excellence.

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
Sh. RK Khosla (50 lacs) and Prof. PK Khosla (10.99 lacs)	6099458	Cancer Research Centre and Yoga Huts
No file uploaded.		

6.4.3 – Total corpus fund generated

490819149

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	ISO 9001:2015 - Otabu	Yes	IQAC Dean Academic Affairs
Administrative	Yes	ISO 9001:2015 - Otabu	Yes	IQAC Dean Academic Affairs

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

Not Applicable

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

Being a higher education institute university do not require a registered Parent - Teacher Association but parents are involved formally through feedback and online communication about the various activities and their wards performance. Also they are invited for various events and activities organized in the campus, at the time of student admission, parents are well informed about the various procedures and their inputs wherever possible are duly implemented in the functioning.

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

• Firefighting Training organised at regular intervals for support staff • SOP (Standard Operating Procedure) Trainings for Support Staff • General Grooming Training for support staff on regular basis • Preventive Maintenance programmes for support staff

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

• NBA Accreditation for B.Pharm and MBA program • Great Place to Work Certification • myShoolini Application • Rankings - NIRF, India today Rankings, Outlook-ICARE University Rankings, and ELETs Rankings • Radio Shoolini • Research Awards • New Programs - Law, Yoga, Agriculture, Hospitality, etc

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

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
No Data Entered/Not Applicable !!!					
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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
International Workshop on Human Trafficking in collaboration with HP State Commission for Woman	14/10/2019	15/10/2019	50	60

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
We have continued to improve the campus environment for students and staff, with new teaching research facilities, expanded students' accommodation and new

study spaces. The library has been designed keeping in mind Green Building Technologies. The percentage of the power requirement of the University met by renewable energy sources is 40. With around 1300 solar panels, our campus is connected to a solar energy grid generating 400 kilowatts of electricity to meet our energy requirements. The most significant addition to the campus is the Yogananda library of the university. We have envisaged on developing additional high-quality sporting amenities like the indoor sports complex with badminton and table tennis facilities for improving students' stay at the university. The addition of the gymnasium has provided an international look. In years to come, we expect the university to continue to prosper, making a strong and increasing contribution to the regional and national economy.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	1
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
No Data Entered/Not Applicable !!!							
View File							

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
HR Manual	01/01/2019	It contains policies procedures with respect to different functions of university. It is reviewed after end of every year accordingly it is updated.
Guidelines on Code of Conduct for Research Scientists engaged in field of Life Sciences	02/08/2018	Advances in laboratory technologies have created complex ethical dilemmas. Laboratory services are an integral part of disease diagnosis, treatment, response monitoring, surveillance programmers and research. Therefore, personnel working in clinical / research laboratories should be aware of their ethical responsibilities. It is necessary to comply with the ethical code of

conduct prescribed by national and international organizations, and address the emerging ethical, legal and social concerns in the field of biological and biomedical sciences. The basic principles enshrined in the codes and guidelines followed by us are Autonomy, Beneficence, Non-Maleficence and Justice.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!			
View File			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1) myTree- Save the Himalayas initiative - Geotagging of trees 2) Using garden waste for making compost 3) Rainwater harvesting system 4) Installation of PV Panels for harnessing solar energy 5) Installation of 3M water purification 6) Installation of ample number of Power Saving LED lights

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

BEST PRACTICE 1: Enhancing Research

1. Title of the practice: Enhancing Research

2. The context that required the initiation of the practice (100 - 120 words): The vision of the Shoolini University is to be amongst top 200 global Universities by 2022 and we are focusing on our application to the University Rankings done by the Times Higher Education (THE). We have studied the ranking methodology and realized that THE gives almost 60 marks to either research or various research related activities. Thus enhancing research is our top priority, as our rankings is going to provide us the much needed recognition within India and across the world. We also realized that it is not possible to improve research output in a day, it's a continuous process and starts to show its impact only after 5 years or so.

3. Objectives of the practice (50 - 60 words): The overall goal of the practice (Enhancing Research) is to improve the individual and Universities research output in a time bound manner. Following objectives are framed to achieve the goal

- To ensure that all the members of the Shoolini Family are aligned towards the goal and also realize the importance of the same
- To provide the justifiable targets not only to the faculty members but also to the various Schools and Faculties
- To Monitor the individuals progress so that the target can be met on time
- To act as a platform so as to promote maximum intra and inter departmental collaboration amongst the faculty members
- To promote faculty members to maximize international collaborations in their respective areas of research

4. The Practice (250 - 300 words): The practice is undertaken under the chairmanship of Honb'le Vice Chancellor Shoolini University. Three stages of monitoring or checks needs to be followed to ensure that the practice is met. Firstly, the departmental heads and deans needs to motivate the faculty, staff and students working in their control to further improve their research output so that aspirations of the University can be met on time. All the deans collect the

weekly progress data which is to be presented in the deans meeting every Monday. Monday deans meeting is a platform to discuss the weekly progress and to debate on the future course of action. The meeting is also a place to debate on whether any new support is to be provided to the faculty and students. To keep up with the pace and to meet the requirements of the faculty and students, University has subscribed to various research databases, amongst which EBSCO subscription is the first, which provides researchers the first hand information of the research papers in their respective fields and also provide the other relevant information. Secondly, University has also subscribed to SciVal and SCOPUS, which helps the University and the faculty members to benchmark themselves and to find-out the potential collaborators. Thirdly University has subscribed to other resources like URKUND for plagiarism check and SPSS for statistical analysis. University has also formulated a Scientific Writing Cell which is responsible for providing writing and language correction support to the faculty members and students. The outcome of the support rendered by the Scientific Writing Cell is being seen as more and more research papers are being accepted in the Journals of international repute.

5. Obstacles faced if any and strategies adopted to overcome them: The biggest obstacle in improvement of research output is that, it is not possible to predict future research output based on the existing resource and there is always a fear that we may miss the deadline by marginal numbers. In order to face it University has decided to increase its research workforce and thereby constituted the positions of research associates and Vice Chancellor Research Fellows, where a handful of young researchers have been recruited under the mentor ship of selected faculty members and the target to publish quality research papers have also been given to them.

6. Impact of the practice (100 - 120 words): The practice has been instrumental in raising the research output of the University as a whole. Number of publications has been substantially improved, not only numbers but the quality of the publications has also been improved. The impact of that can be easily seen by our research output in terms of Field Weighted Citation Impact (Which is one of the best in the country), percent international collaborations in research, Percent publications in top 10 most cited worldwide, Percent publications in top 1 most cited worldwide and citation per publications. We are much ahead of our Indian counterparts in all the above mentioned parameters and are rubbing shoulders with some of the world's best Universities.

7. Resources required: Quality Faculty and Research Staff: Special emphasis is being given to select the new faculty members for various departments, Research Associates and Vice Chancellor Fellows who are recruited as part of the practice are also handpicked based on their past performance and are monitored on quarterly basis

Research students: The bar for our research doctoral degree has been raised and as part of this practice, now the students are supposed to publish atleast three research papers to be eligible for Ph.D. thesis submission. Other requirements of the faculty members in terms of software's and databases have also been met. All the research labs have been fully equipped and are now open 24x7 so that students can make the best use of the resources and improve the output

8. Contact Persons for further details: Dean, Research and Development Shoolini University of Biotechnology and Management Sciences Solan (HP) Phone: 09625033405 Email: deanRD@shooliniuniversity.com

Best Practice 2: Using Artificial Intelligence based training and coaching to prepare students for job Interviews

1. Title of the practice: Using Artificial Intelligence based training and coaching to prepare students for job Interviews

2. The context that required the initiation of the practice (100 - 120 words) At Shoolini University graduating students are well equipped in terms of technical knowledge. However, it was felt that there is a gap in presentation and communication skills a key reason for this is the student profile - in terms of backgrounds from smaller towns and rural regions. As a result - because of their inability to express themselves - often competent students less affluent backgrounds got left out in job placements

with the most preferred employers. In a broader context - this is an issue that impacts to a large number of graduates from Indian Universities who know their subject matter , but are not equipped from a communication and personality development perspective to fit into job profiles at leading MNCs and other companies. 3. Objectives of the practice (50 - 60 words) Provide the 'Best in the world' communications and job interview preparation to identified students. Provide detailed unbiased reports to each of the identified students on how they can improve both the content as well as the style of delivery - so that they can perform at outstanding level in the most competitive interview. 4. The Practice (250 - 300 words) Shoolini University introduced Artificial Intelligence based training and coaching system in 2019 for its MBA students . This commenced at the time of their first contact into their courses . For this purpose, an artificial intelligence-based software Sigandar.AI was used for training the entire batch of students. It is important to highlight that this is the first time Artificial Intelligence Coaching software has been used in the education field in India - this technology is already being used by MNCs both for interviewing as well as for training their staff. How Sigandar.AI Works : Students log-in to the software and are asked typical questions which are asked by company recruiters. They then record their answers to these questions in front of a computer. Sigandar.AI immediately assesses the student on the 3 Vs: Voice (how they speak) , Vocal (content) and Visual (facial expressions, posture etc.) and provides individualized improvement tips. Using Sigandar.AI each student gets the chance to practice key interview questions as many times as they want as well as the equivalent of one-on-one and personalized coaching. Further they can practice their interview questions - just as if it were a video game - in an interesting format and at any time of the day . 5. Obstacles faced if any and strategies adopted to overcome them 6. Impact of the practice (100 - 120 words) • There has been significant student involvement in the initiative . For e.g. all students in a graduate course completed their Sigandar interaction within a a shrt time of its being introduced. Further - gamification of outcomes, has resulted in enthusiast uptake across the student community. • There has been a steep improvement in the placement outcome for the University. Several employers commented on the significant improvement in quality of student outcome. Further there has also been a sizeable increase in hiring from top companies. • While previously Shoolini struggled to provide individual coaching, Signdandar.AI has

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

<https://shooliniuniversity.com/pdf/BEST%20PRACTICES.pdf>

7.3 – Institutional Distinctiveness

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

Shoolini University of Biotechnology and Management Sciences is a distinctive place of innovation, research and would like to be amongst the top 200 global Universities by 2022. Shoolini University of Biotechnology and Management Sciences is a research-driven university and is being recognized for its focus on innovation, quality research and world-class faculty from ivy league institutions such as Oxford, University of California Berkley, Carnegie Mellon University, National Institute of Health, Washington DC, NIPER, NIH, IISC Bangalore, University of Konstance Germany, IIT Delhi, Louisiana State University, IIT Kanpur, IIM, Sichuan University China, ISB and many others. The research agenda of the university focus on sustainable development of the Himalayan region and following are the some of the areas of our research 1. Exploring the medicinal wealth of Himalayas to tackle the diseases like Cancer and Antimicrobial Resistance 2. Water purification (Both household and

wastewater purification) 3. Research on Himalayan agriculture 4. Nanotechnology 5. Food Technology In the areas of interest mentioned above the University has already secured competitive research grants from various govt. funding agencies like DBT, DST, ICMR, MoFPI, DRDO, HIMCOSTE, AYUSH, etc. with food testing laboratory from MoFPI, FIST proteomics lab from DST to name a few. University has also received an endowment fund of 1 crore from Mr. Raj Khosla to develop a cent of cancer research. In addition, the researchers have already won a number of fellowships like Young Water Fellow, from Young Water Solutions a Belgium based International NGO (won by Ms. Amanpreet, Ph.D. student working on water purification) and India Innovation Growth Program 2019, University Challenge 2.0 (A team from the group working on water purification won IIGP 2019). Shoolini University was founded to provide "world-class" education and learning experiences to distinctive and needy students from smaller towns and villages of India. We have been living this mission for the last ten years and have given 100 scholarships to almost 200 students in 2018-19, 75 to almost 400 students, 50 scholarships to almost 600 students and 25 scholarships to almost 800 students. In its 10 years of existence, the university has acquired many critical accreditations and received numerous accolades. We endeavor' to be a top 200 global university by the year 2022. Some of our relevant performance achievements are: 1. 360 patents, one of the highest patent generators 2. Citation index of 2.15, highest among most of the universities of India and is rubbing shoulders with some of the worlds best Universities. 3. H Index of 55, Highest for Indian University < 10-year-old 4. 200 Scopus papers per year, highest productivity per faculty 5. Alumni at Stanford, Columbia, INSEAD, Tokyo, GE, Ernst Young, Merrill-Bank of America, Marsh, Mercer, Nestle, Biocon, LG, Genpact, ITC, Dabur, HDFC, ICICI, and others 6. 101-150 Rank (NIRF) in India, Pharma College Rank 39 Business School Rank 51-75 7. 25 crores extramural research funding (DBT, DST, ICMR, DAE, DRDO, HIMCOST, MoFPI) 8. 180 Foreign partnerships

Provide the weblink of the institution

<https://shooliniuniversity.com/pdf/Institutional%20Distinctiveness.pdf>

8.Future Plans of Actions for Next Academic Year

Our Future Plans envisage all 7 NAAC criteria. In order to extend its reach to students, Shoolini University is going for distance learning approval and the application is already filed with the appropriated authority. University did a pilot by offering 7 MOOC's courses that were successfully completed by the students. Looking at the increased demand of these courses University is now planning to offer at least 30 MOOC courses and one course will be made mandatory for all students. University is also launching its own MOOC portal with five courses which are under preparation, further in this direction University has applied for UGC's SWAYAM and the subject experts from the university will soon be preparing courses for the same. In teaching and learning after the success of the B.Tech Biotech Summit Research Program, it is planned to be introduced in Pharmacy, B.Tech CSE and Food technology. University has also tied with Algo8, India's leading company in Artificial Intelligence which will provide an opportunity to the students for real-time projects. Curriculum wise we are hoping to introduce a few more certificate courses. We have also applied for new courses in recent fields like Bioinformatics, artificial intelligence, etc. We also hope to revitalize mentoring. The Student Support Activities of our university is already vibrant. With regard to research Shoolini in the years to come plans to become one of India's lead Centre and directory of all floral and biodiversity plants, from distribution to its botany, agro practices, chemistry, genetic clinical variation, molecular characterization, therapeutic uses, drug delivery, everything till the genomic level. All research in Shoolini is centered on this direction. Shoolini has already started various initiatives to promote its researchers like research awards, intramural grants, allowances for attending

conferences and workshops, etc. Shoolini is already having a high h index of 55 and a citation index of 2.18 which itself speaks for the quality of research done in University. The Council for Research in Yoga and Naturopathy (CCRYN) approved a 100-bed hospital to Shoolini University which will be called "Yogananda Medical School of Yoga Naturopathy". The hospital will be opened as a distinct facility for the people with the best of services and practices on affordable charges and will be equipped with specialized treatment sections, diet center, recreation facility, Yoga and meditation hall, clinical pathology, library, herbal garden, conference hall, and residential area. Raj Khosla Cancer Research Institute will also be functional soon. Through this institute, University plans to (a) Exploiting bioactive compounds for their role in controlling infectious diseases and cancer by stimulation or suppression of immune responses. (b) Development of biosensors for early-stage cancer diagnosis (c) Synthesis of green nanocomposites/nanoparticles for drug delivery, diagnosis, and cancer therapy.