



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	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.	01792-308000
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

<b>2. Institutional Status</b>	
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

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="https://shooliniuniversity.com/pdf/AQAR%202018-19.pdf">_https://shooliniuniversity.com/pdf/AQAR%202018-19.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://shooliniuniversity.com/pdf/AcademicCalendar2019-20.pdf">https://shooliniuniversity.com/pdf/AcademicCalendar2019-20.pdf</a>

**5. Accrediation Details**

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B++	2.92	2016	16-Dec-2016	15-Dec-2021

<b>6. Date of Establishment of IQAC</b>	26-Dec-2014
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**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
Great Place to Work	04-Feb-2020	3559

Certification	45
<a href="#">View File</a>	

**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
School of Biological and Environmental Sciences, School of Business Management and Liberal Arts	Skill Development for Science internship programme INSPIRE	DST	2020 365	2750000
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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)**

1)Academic Planning and Strategy: Course modifications, New programs introduced, Coursera introduced, Emphasis on Syllabi integrated between Theory, Practical learnings delivered through Periodic Industrial Visits Familiarization Trips. 2)Resource Planning: Human Resources (Teaching NonTeaching Staff Planning including Visiting Faculty). 3) Research Innovation Planning: Faculty Annual Target, Research Projects, Collaborations, Patent targets, Research Guidance, Seminar, Workshops, Conferences Club Committee Activities. 4) Industry Interaction and Placement Planning: Planning of Events, Corporate Meetings, Internship Planning, Pre Placement Talks, Placement Grooming Activities, and Placement Calendar, Yogananda Web Series. 5) Internationalization Planning: Tieups, Collaborations, Faculty/Student Exchange Programmes, Study, Abroad Programme/Scholarship for students.

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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
Launched NoPaperForms platform, a leader in student application and admissions	Admission Process was automated through NoPaperForms which helped in managing the comprehensive enrolment of students online
Cloud Computing Curriculum	Students can enrol in courses that will prepare them for careers online through AWS Academy
Raj Khosla Cancer Research Centre	Inaugurated by Mr. Raj Khosla near Pine Court to support the researchers already engage in the work of Cancer Biology
Proctor enabled Online Examination	Implemented Proctor enable solution for online supervision in the exams
Complete online mode for Classes - BBB initiative	Seamless interaction with students in online classes
QS I-GAUGE E-LEAD (E - Learning Excellence for Academic Digitization) Certification	QS certified for being best in the eLearning category
Shoolini TV News Bulletin	Prof. Vipin Pubby implemented Shoolini TV News Bulletin and published weekly
B.Tech. Food Technology Summit Research Program	Started in August 2020 to imbibe research drive among students
Launch an education think tank called "Ideas that Matter"	Started by Ms. Avnee Khosla for Success Strategies in Higher Education'
Launch Cloud Telephony platform with MCube	Started MCube to have an automated all our inbound and outbound calling traffic
No Files Uploaded !!!	

**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Academic Council	22-Dec-2020

**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	29-Jun-2020
<b>17. Does the Institution have Management Information System ?</b>	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, programs, 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 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</p>

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
BTech	SUBTFT01	Food Technology	23/09/2020
<a href="#">View File</a>			

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
MSc	Immunology	01/08/2019	Immunology Z00514	01/08/2019
<a href="#">View File</a>				

#### 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	Yoga	01/08/2019
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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
BCom	Open Electives: Network Marketing/ Social Challenges & Their Resolutions/ Achieving Happiness/ International English Language Testing System (IELTS)/ Professional Vocal Music with Karaoke	01/08/2019
BBA	Open Electives: Network Marketing/ Social Challenges & Their Resolutions/ Achieving Happiness/ International English Language Testing System (IELTS)/ Professional Vocal Music with Karaoke	01/08/2019
BA	English - Open Electives: Network Marketing/ Social Challenges & Their	01/08/2019

	Resolutions/ Achieving Happiness/ International English Language Testing System (IELTS)/ Professional Vocal Music with Karaoke	
BA (Journalism)	Open Electives: Network Marketing/ Social Challenges & Their Resolutions/ Achieving Happiness/ International English Language Testing System (IELTS)/ Professional Vocal Music with Karaoke	01/08/2019
BHM	Open Electives: Network Marketing/ Social Challenges & Their Resolutions/ Achieving Happiness/ International English Language Testing System (IELTS)/ Professional Vocal Music with Karaoke	01/08/2019
BSc	Yoga, Maths, Biotechnology, Microbiology, Food Technology, Botany, Zoology, Physics, Chemistry - Open Electives: Network Marketing/ Social Challenges & Their Resolutions/ Achieving Happiness/ International English Language Testing System (IELTS)/ Professional Vocal Music with Karaoke	01/08/2019
BTech	Mechanical, Civil, EE, CSE, IT, Biotechnology, Food Technology, ECE - Open Electives: Network Marketing/ Social Challenges & Their Resolutions/ Achieving Happiness/ International English Language Testing System (IELTS)/ Professional Vocal Music with Karaoke	01/08/2019
BCom	Open Electives: Cyber Crime & Defense/ Introductory German Language/ Bharatiya Sanskriti/ Yoga for	07/01/2020

	Wellness/ Winning Hackathons/ Practical Farming/ Art of Patisserie (Baking)/ English for Effective communication	
BBA	Open Electives: Cyber Crime & Defense/ Introductory German Language/ Bharatiya Sanskriti/ Yoga for Wellness/ Winning Hackathons/ Practical Farming/ Art of Patisserie (Baking)/ English for Effective communication	07/01/2020
BA	English - Open Electives: Cyber Crime & Defense/ Introductory German Language/ Bharatiya Sanskriti/ Yoga for Wellness/ Winning Hackathons/ Practical Farming/ Art of Patisserie (Baking)/ English for Effective communication	07/01/2020
BA (Journalism)	Open Electives: Cyber Crime & Defense/ Introductory German Language/ Bharatiya Sanskriti/ Yoga for Wellness/ Winning Hackathons/ Practical Farming/ Art of Patisserie (Baking)/ English for Effective communication	07/01/2020
BHM	Open Electives: Cyber Crime & Defense/ Introductory German Language/ Bharatiya Sanskriti/ Yoga for Wellness/ Winning Hackathons/ Practical Farming/ Art of Patisserie (Baking)/ English for Effective communication	07/01/2020
BSc	Yoga, Maths, Biotechnology, Microbiology, Food Technology, Botany, Zoology, Physics, Chemistry - Open	07/01/2020



	Electives: Cyber Crime & Defense/ Introductory German Language/ Bharatiya Sanskriti/ Yoga for Wellness/ Winning Hackathons/ Practical Farming/ Art of Patisserie (Baking)/ English for Effective communication	
BTech	Mechanical, Civil, EE, CSE, IT, Biotechnology, Food Technology, ECE - Open Electives: Cyber Crime & Defense/ Introductory German Language/ Bharatiya Sanskriti/ Yoga for Wellness/ Winning Hackathons/ Practical Farming/ Art of Patisserie (Baking)/ English for Effective communication	07/01/2020
BTech	Mechanical - Automobile Engineering	01/08/2019
BTech	EE - IoT (Internet of Things)	01/08/2019
Mtech	Civil - Structural Engineering and Water Resource Engineering	20/01/2020
BSc(Agriculture)	Bio-pesticides and Bio-fertilizers, Agri-Journalism, Weed Management, Agro-Chemical	01/08/2019
BSc(Agriculture)	Hi-Tech Horticulture, System Simulation and Agro-Advisory, Agri-business Management	07/01/2020
BTech	Food Technology - Agriculture, Summit Research Programme	01/08/2019

### 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
Indian Classical Music (Vocal)	08/01/2019	55
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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
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BTech	Food Technology	38
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## 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>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 teacher's behaviour 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 counselled, 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.</p>

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BBA	Nil	50	398	50
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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	Number of students enrolled in the institution	Number of fulltime teachers available in the	Number of fulltime teachers available in the	Number of teachers teaching both UG

	(UG)	(PG)	institution teaching only UG courses	institution teaching only PG courses	and PG courses
2019	2186	941	113	131	131

### 2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
244	244	36	136	47	24

[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 everyone 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 physically 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. Each one is assigned a faculty as well as a student mentor. 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 upskill through SPRINT programs is an innovative initiative of the University which helps the students to develop their personality and up 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
3313	244	1:14

### 2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
80	71	Nil	71	21

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,	Designation	Name of the award, fellowship, received from Government or recognized

	international level		bodies
2019	Dr. Amar Raj Singh Suri	Associate Professor	Patent Granted for Solar Water Heater by Indian Patent Office
<a href="#">View File</a>			

## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BBA	SUBBA01	4th	08/06/2020	22/06/2020
<a href="#">View File</a>				

2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nil	1072	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://shooliniuniversity.com/pdf/PO%20&%20CO%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
SUBCOM01	BCom	Commerce	43	42	97.68
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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/2.7.1.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	Ms. Isha Negi	Ph.D	15/06/2020	HPU, Shimla
International	Mr. Vikas Mehta	Post Doc	01/08/2020	Keimyung University,

				South Korea
International	Ms. Priyanka Panchal	Post Doc	01/08/2020	Chungnam University, South Korea
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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 - DST INSPIRE	1095	DST (Dept. of Science and Technology)
JRF	730	DST (Dept. of Science and Technology)
JRF	730	SERB, India
JRF	730	HIMCOSTE, Shimla (HP)
JRF	1095	NMHS (National Mission on Himalayan studies)
Research Assistant	730	HIMCOSTE, Shimla (HP)
Research Associate	510	NMHS (National Mission on Himalayan studies)
JRF	1092	HIMCOSTE, Shimla (HP)
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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
Major Projects	1095	ICMR	2500000	689232
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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
Skills Progression through Rapid Intensive and Innovative Training workshop for MBA On Creativity and Innovation	Dean Student Welfare (SPRINT Team)	13/08/2019
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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
Standardization of growth and astaxanthin content by	Ms. Kanika Arora	University of Horticulture and Forestry, Nauni Solan. H.P.	29/09/2019	Recent Advances in Agricultural, Environmental and Applied

cultivation of H.pluvialis			Sciences for Global Development
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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	Shoolini Innovation Technology Business Incubation Centre	Ministry of Micro, Small and Medium Enterprises	-	-	05/01/2020
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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	15
Faculty of Basic Sciences	9
Faculty of Engineering and Technology	9
Faculty of Pharmaceutical Sciences	6
Faculty of Sciences	2

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	School of Pharmaceutical Sciences	28	4.06
<a href="#">View File</a>			

#### 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 Physics and Materials Science	18
School of Pharmaceutical Sciences (Book Chapter)	1
Yogananda School of AI Computers and Data Science	21
School of Agriculture	5
School of Business Management Sciences and Liberal Arts (Paper Published)	17
School of Business Management Sciences and Liberal Arts (Book Chapters)	10

School of Business Management Sciences and Liberal Arts (Edited Books)	3
School of Advanced Chemical Sciences (Book Chapter)	7
School of Biological and Environmental Sciences	2
School of Bioengineering and Food Technology	3
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#### 3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Novel method for enhancement of production of Astaxanthin from microalga HAEMATOCOCCUS PLUVIALIS	Filed	201911015725	19/04/2019
<a href="#">View File</a>			

#### 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
Novel development of nanoparticles to bimetallic nanoparticles and their composites: A review	Sharma G., Kumar A., Sharma S., Naushad M., Prakash Dwivedi R., ALOthman Z.A., Mola G.T.	Journal of King Saud University - Science	2019	155	Shoolini University	143
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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
Novel development of nanoparticles to bimetallic nanoparticles	Sharma, G.   Kumar, A.   Sharma, S.   Naushad,	Journal of King Saud University - Science	2019	29	143	Shoolini University

les and their comp osites: A review	M.   Prakash Dwivedi, R.   ALOthman, Z.A.   Mola, G.T.					
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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	45	108	62	56
Presented papers	25	8	2	Nill
Resource persons	19	64	12	1

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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)
School of Pharmaceutical Sciences	Phytochemical and permeability studies of Kanak Taila	Uttrakhand Government Ayurvedic University, Rishikul Campus	20000

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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
School of Management Sciences Liberal Arts	Operating Engineers Development Programme	Anand Automotives	1406175	15

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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
Say No to tobacco	Shoolini University NSS unit 2017	3	35

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#### 3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies



during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Disaster Preparedness in month of Oct Nov 2020	Appreciation Letter by Earth Just Foundation	EarthJust Ecosystems Foundation	600
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Health Check-up	Shoolini University	Medical Camp	26	120
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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 by Faculty (International)	3	Shoolini University and Partner University	30
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Industrial Training	Summer Internship	Aditya Birla Ravinder Verma Ravinder.verma@adityabirla.com	01/06/2020	20/07/2020	2
<a href="#">View File</a>					

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
Della Natura Food and Beverages	06/12/2019	Exchange of Faculty and Students/Joint Research/ Joint Degree and Conferen	2

ces/Exchange of Academic Information and Other Exchange Activities

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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
1812	1654.88

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	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Newly Added
Class rooms	Newly Added
Campus Area	Existing
No file uploaded.	

### 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	2013
Duolingo Language Lab	Fully	-	2017
eUniv studio Camtasia, Moodle, Adobe	Fully	-	2014

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	38885	68	1314	7	40199	75

[View File](#)

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr. Kamal Kant Vashisth	Business Organization Management	eUniv	05/08/2020

[View File](#)

#### 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	340	6	1265	24	60	48	70	1265	0
Added	10	0	0	0	0	0	0	0	0
Total	350	6	1265	24	60	48	70	1265	0

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

1 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	<a href="https://euniv.shooliniuniversity.com/">https://euniv.shooliniuniversity.com/</a>
Shoolini TV	<a href="https://youtube.com/channel/UCslGIiClZcPmzeA7foXjCFw">https://youtube.com/channel/UCslGIiClZcPmzeA7foXjCFw</a>
Radio Shoolini Media Centre	<a href="https://www.facebook.com/radioshoolini/">https://www.facebook.com/radioshoolini/</a>

#### 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
46	48.45	134	169.73

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.

<https://shooliniuniversity.com/pdf/Maintenance%20of%20Academic%20Infra.pdf>

## 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	BPL Scholarship, Defense Scholarship, Employee Scholarship, Foreign Student Scholarship, Merit Cum Means Scholarship, Merit Scholarship, Need Based	788	30730444

	Scholarship,NET Qualifying Scholarship, Old Student Scholarship,Ph.D Research Scholarshi p,SAPS,SAPS Merit		
Financial Support from Other Sources			
a) National	Umbrella Scheme for Education of ST Children -Post Matric Scholarship (PMS) for ST Students Arunachal Pradesh	7	460700
b)International	International Scholarships	20	5527528
<a href="#">View File</a>			

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
Skills Progression through Rapid Intensive and Innovative Training workshop for MBA On Creativity and Innovation	13/08/2020	203	Shoolini University
<a href="#">View File</a>			

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	Student Career Counselling for School of Electrical and CSE	148	148	Nil	Nil
2019	Student Career Counselling for School of Mechanical	104	104	Nil	Nil

	and Civil Engineering				
2019	GPAT Classes for School of Pharmaceutical Sciences	85	85	5	17
2020	Student Career Counselling for School of Bioengineering and Food Technology	4	50	4	50
2020	GPAT Classes for School of Pharmaceutical Sciences	33	33	Nil	6
2020	Student Placement Counselling	Nil	402	Nil	255
2020	Higher Studies	Nil	121	Nil	Nil
2019	Aptitude Classes for Competitive Exams	240	240	Nil	Nil
2019	Coaching for Defence Services	24	24	Nil	Nil
2019	Student Counselling for GATE Exams	24	24	4	Nil
No file uploaded.					

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
24	24	2

## 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
Abbott	35	4	Nil	Nil	Nil

[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
2020	3	B.Tech Bio technology	School of Bioengineering and Food Technology	Shoolini University	M.Tech Bio technology
<a href="#">View File</a>					

### 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	5
NET	4
Any Other	8
No file uploaded.	

### 5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Induction	Intra university	1200
<a href="#">View File</a>		

## 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Gold Medal (Star Gouj- Ryu Karate Cup)	National	1	Nil	1971302004	Sakshi Wadhawa
<a href="#">View File</a>						

### 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 tasks 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 voice of the students is heard in all related matters. The participation of student representatives in these committees acts as a platform for the students to address their concerns and present their ideas and suggestions. The Placements in the campus are managed and run largely by the Student Placement Committees. The students take on the responsibility of entire process of coordinating between the recruiters and the students to ensure that the process goes seamlessly. The university has

a strong BUDDY system where the new students are provided buddies to handhold them in settling down in the campus. These students act as a conduit and escalate any issues that the new students may be facing. The entire process is enabled and supported by the BUDDIES, the university provides multiple platforms for the students to engage creatively in their campus life and learn to develop responsibility and leadership skills 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. They organize programs which play a major part in implanting traits like teamwork, sportsman spirit, the drive to stride for bringing the best in one's self etc.

Induction program and annual cultural fest are another big annual event 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 a hundred camps /awareness sessions have been organized in HP, Chandigarh, and Punjab more than 5000 people are already screened for breast and oral cancer. Doctor teams. are sent from YWC and the volunteer students from Shoolini Campaigns organize sessions against drug abuse and tobacco cessation. 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 has a regular inflow of patients with muscular dystrophy. Students also make regular visits to the local orphanage and leprosy home and have a very close association with the senior citizens of Solan. Recently, the students collected 500 kgs of old clothes during the Week of Giving and sent them to Delhi. The Prayas group lays focus on underprivileged children. This includes adopting the primary school in the vicinity and also holding regular classes for the children of the neighboring community.

#### 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:

2060

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

1052100

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. We had launched Alumni portal on 2nd November 2019. Alumni meet detail and chapter proof: Sixth Alumni Chapter, Shoolini University: 2 November 2019

## 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
Examination and Evaluation	A continuous mode of learning has been introduced by the University. A blended mode of education and learning is provided which includes conduct of mid-term, assignment, quiz, seminar,

discussion forum, student-teacher interactions, projects, SPRINT and viva-voce across all disciplines. The assessment for each of the activity was also elaborated throughout the semester. The blended mode of evaluation has been kept with 30:70 weightage for awards for end-term : continuous evaluation. Shoolini ERP platform in inclusive of myShoolini, eUniv and SU exam portal. myShoolini is enriched with all the activities related to registration, classroom teaching, practical, time table, YKC, extra-curricular activities. The exam portal (suexams.euniv.in) is used for registration, conduct of each of the assessments of continuous mode, evaluation and reporting. A proctor enabled mid-term and end-term exams have been introduced through Shoolini exam portal. The compilation of awards, preparation of result and revaluation of exam are performed online.

#### 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 counselling' 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 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 through handbills and inserts in newspapers and outdoor hoardings. In

2018-19, we had moved to an automated lead management platform called Extraedge. However, in 2019, we started exploring more superior technologies and for the last two years, we are working with NoPaperForms, a leader in student application and admissions. In 2020, we also moved to a 'cloud telephony' platform with MCube. Through this platform, we have now automated all our inbound and outbound calling traffic. 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.

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.

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

Library, ICT and Physical Infrastructure / Instrumentation

Despite being young, Shoolini University has a state-of-the art infrastructure that compares favourably 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 endeavours 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 using 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 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 videoconferencing 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 splendour 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 Kalam 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.

Research and Development

Shoolini University is 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 centres 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.

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. 14. Inclusion of quality MOOCs in the curriculum s per UGC guidelines from best platforms like SWAYAM, Coursera, and edX.

**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

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

E-governance area	Details
Administration	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 analyse research trends. Also, an appraisal system is created wherein all the details pertaining to their performance can be seen. A student portal is created on myShoolini app so that any student can ask their query and get the solution timely.

Finance and Accounts

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. Tally has been upgraded with the following features:  
 1. Customized Tally.Edu Soft - Student Database Management, Academic - Hostel - Transport Fee Management - Integrated with Licensed Tally. ERP 9  
 2. Customization of generation of SMS email to Students / Parents database regarding Fee Due reminder of outstanding.  
 3. TIFTS - Tally Integrated Fee Tracking System - Initial Setup to be tagged with Official Web-Site enabling fee payment using any payment method - Credit / Debit Cards, Net banking, etc. Facility to download transaction details and integrate the same with Tally.ERP9. Apart from this an Inventory Management System has been created on myShoolini so that the flow of inventory is properly recorded.

Student Admission and Support

Student admissions and student support has been an integral part of the University objectives since inception. Over the years, we have immensely increased the use of technology in these areas. In 2018-19, we had moved to an automated lead management platform called Extraedge. However, in 2019, we started exploring more superior technologies and for the last two years, we are working with NoPaperForms, a leader in student application and admissions. In 2020, we also moved to a 'cloud telephony'



platform with MCube. Through this platform, we have now automated all our inbound and outbound calling traffic. Today, we pride ourselves in running one of the most sophisticated admissions engines. We have also formed a special 'Student Support Team' to help new joiners and old students in areas such as online classes, face ID recognition, proctored exams, accounts, open electives and more. Further, as part of our larger mission to provide exposure to the masses of India, we have launched an education think tank called 'Ideas That Matter'. Through this new initiative, we have now spoken to more than 100,000 students and 3,000 teachers on various topics such as online teaching, managing stress, education during the pandemic etc.

#### Examination

The office of Controller of Examinations (COE) is located at Block 'A' in the university. The examination office is equipped with broadband wi-fi internet facility, strong room for keeping question paper, award list answer sheets, and printing reprographic facility. The university has introduced a new Exam portal ([www.exams.euniv.in](http://www.exams.euniv.in)) for registration and conduct of examination across different disciplines. The examination may be conducted online and offline both. Following are the major initiatives taken: 1. The process for filing registration by students is online. 2. The preparation of date sheet having all the subjects across different courses/ programs with the student strength is accomplished online. 3. Each faculty set question paper of each subject from own faculty myShoolini login. The setting of each QP is done on exam portal and duly verified by COE. 4. A question bank for each subject is created online by each faculty. QP is comprised of MCQ and subjective/ descriptive questions. 5. Students are required to create face ID on Exam portal for authentication and upload his/her pic with Aadhar Card. 6. Students appear for the exam using safe web browser after making Login on myShoolini. Encryption and decryption of roll no done to avoid student identity. 7. The questions are presented to students screen in random manner. 8. As a part of continuous

evaluation scheme introduced by the University, the assessments related to submission of assignments, participation in quiz, discussion forum, student-teacher interactions and viva voce are completed online/ office using exam portal. 9. All evaluated answer sheets are shown to students for any redressal if at all. 10. The hybrid pedagogy of online teaching through LMS blended with contact classes is in place for all courses across the university. 11. Double valuation check introduced to ensure that no question is left out and the total is correct. 12. Evaluation of the answer sheet by concerned faculty is done online/ offline. 13. Reporting or submission of marks/ awards by each faculty is done through myShoolini Login portal only. 14. Compilation of each mark/ award by examination staff is done according to the approved curriculum of the course. 15. The result is declared within 1-2 weeks' time after the conduct of last examination.

Planning and Development

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. Apart from this, a MIS dashboard for Vice Chancellor/ Deans/Directors has been framed. To provide the seamless bandwidth, the internet speed increased to 1 GBPS with complete wi-fi connectivity.

### 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. S.K Gupta	National Symposium on Mitigation of emerging plant diseases under changing climate scenario	Tamil Nadu Agricultural University, Coimbatore	1800
<a href="#">View File</a>				

6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Faculty Training(e Univ) by Dr. Kamal Kant Vashisth Team	Admissions pitch and Sales training	12/09/2019	12/09/2019	15	17
<a href="#">View File</a>						

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
Understanding and implementing ISO/IEC 17025: 2017 including management system documentation and Internal auditing	2	03/03/2020	06/03/2020	4
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
244	244	206	206

### 6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Monthly Birthday Celebrations, Free Education for the Children of Employees, Festival Celebrations (Diwali), Rewards Recognition (Pat on the back Award) and Support classes for Kids of Employees	Monthly Birthday Celebrations, Free Education for the Children of Employees, Festival Celebrations (Diwali), Rewards Recognition (Pat on the back Award) and Support classes for Kids of Employees	Ramps for differently abled students, Cultural activities, Regular sports tournament, Activity students centre, Photographic competition, etc.

## 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. Raj Kumar Khosla	50	Centre for Cancer Research
No file uploaded.		

### 6.4.3 – Total corpus fund generated

501686731

## 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 and Dean Academic Affairs
Administrative	Yes	ISO 9001:2015 Otabu	Yes	IQAC and 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.Pharmacy 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, AI, etc. • Sigander.ai • Proctoring Solution in the examination • eStudios • Naturopathy and Yoga • Increase of Scale of Internet Speed upto 1 GBPS • Implementation of National Education Policy • Implementation of MOOCs through Coursera

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
2020	Great Place to Work	04/02/2020	04/02/2020	10/12/2020	8

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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
Human Trafficking and Child Abuse	14/10/2019	15/10/2019	40	30

Awareness session on LGBTQ community	02/03/2020	02/03/2020	25	40
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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. Added to this is the use of solar street lights and the solar cooking in the student mess. The most significant example of energy conservative design is the Yogananda library of the university which is lit with natural light and no artificial lighting inside the library is required during the day. 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
2019	1	1	23/10/2020	1	Pink October	Breast Cancer awareness	200
<a href="#">View File</a>							

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	01/01/2019	Advances in laboratory technologies have created

<p>Scientists engaged in field of Life Sciences</p>		<p>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.</p>
<p>Code of Conduct for Administration</p>	<p>01/01/2019</p>	<p>The Code of Conduct for Administrative Employees are prescribed herewith by the laws to which the University is bound to follow by the terms and conditions of employment for administrative staff by the collective agreements that govern academic employees and support staff and by the operational policies and procedures that are adopted from time to time. In spite of these code of conduct it is the implicit assumption on the part of all employees of university to follow professionalism and appropriate professional conduct.</p>
<p>Code of Conduct for Office and Staff</p>	<p>01/01/2019</p>	<p>Whoever adopts university service (teacher or staff) as a profession assumes the obligation to conduct</p>

himself/ herself in accordance with the ideal of the profession. A teacher is constantly under the scrutiny of his/ her students and society at large. Therefore, teacher should see that there is no incompatibility between his/her precepts and practice. The national ideals of education which have already been set forth and which he/ she should seek to inculcate among students must be his/ her own ideals. The profession further requires that the teacher should be calm, patient and communicative and amiable in disposition.

Code of Conduct for Students

01/01/2019

All students shall abide by any special or general rule(s) made by the UGC or any other Regulatory Body and/or by University authorities in this regard to their conduct within the University including hostel(s) and outside the University. The students, in general, shall not indulge in any undesirable activity and act of indiscipline during his/her entire stay in the University.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Breast Cancer awareness	23/10/2020	23/10/2020	200

[View File](#)

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

my Tree - Save the Himalayas initiative - Geotagging of trees
Using garden waste for making compost
Rainwater harvesting system
Installation of PV Panels for harnessing solar energy
Installation of 3M water purification
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: Implementing a state-of-the-art India centric online learning Solution.**

1. Title of the practice: Implementing a state-of-the-art India centric online learning Solution

2. The context that required the initiation of the practice (100 – 120 words): The advent of lockdowns has made education institutes across the world aware of big gaps in terms of the online academic support required for students. This is especially true for students from remote semi-urban and rural locations in India where internet connectivity as well as access to state-of-the-art devices is a major constraint. Early feedback from Shoolini's online teaching initiative highlighted that many such students viewed themselves as academically stranded. These students were unable to properly listen in on to lectures, and had problems communicating with their teachers. Further, exams conducted online during the early days of e-learning indicated low scores and high potential drop-offs.

3. Objectives of the practice (50 – 60 words):

- Implement a comprehensive online learning solution which worked effectively for all our students, including those in rural areas and without access to laptops.
- Ensure the delivery of a high-quality learning and inter-active learning experience.
- Identify different segments of students based on their learning requirement and use this to customize learning input.

4. The Practice (250 – 300 words): The University implemented a holistic solution involving technology, processes, and training to ensure the above training for these cases: The core initiatives of the practice are highlighted here-in:

- Better e-learning experiences in case of lower connectivity was enabled through a custom-built virtual classroom module (using a customized module of BigBlueButton) that uses a whiteboard and voice lecture focus on asynchronous learning through offline availability and curation of videos lectures, followed by audio tutorials.
- The University implemented regular Faculty development programs and weekly sharing of best practices within and between departments. This enabled our teachers to adapt to the new online teaching scenario, resolve key issues and enable high most effective frameworks in their classrooms.
- We curated over 20,000 lecture videos. This enabled high impact videos to be accessed by our students . These videos include the transcript of the lecture which is made available through speech-to-text. Further the student has the ability to search within and across lectures to find the precise location of the answer to a question.
- The University commenced ongoing assessment of student-engagement scores – based on attendance, time spent in online and offline classes, quizzes and AI based emotional analysis. These scores are then used to identify 7 core student segments such as 'likely to drop', 'strugglers' and to implement personalized learning interventions and paths.
- Shoolini University enabled teachers with a bird's eye-view of engagement scores of a whole class, as well as detailed insights and recommendations for individual students.
- To ensure better in-class participation the University implemented the following measures: encouraging break-out groups, running planned informal game-like interventions and real-time AI based evaluation of students' audio answers.

5. Obstacles faced if any and strategies adopted to overcome them: (100 words) The University faced several obstacles linked to both technology and operations in implementing the above practice. Identifying and implementing the technology was a big issue – particularly since no existing solution existing that could fully meet the requirement. Thus the IT faculty worked with our chosen partner AADDOO Softtech to develop and implement the same. Further at each stage of the development feedback from teachers and students was taken to ensure that the right technologies were being adopted. While internal workgroups took the initiative for key processes our technology partner, Learninns and out internal

IT team - was tasked with developing bespoke solutions or adapting existing tools for these needs. 6. Impact of the practice (100 - 120 words): As a result of this program, student engagement has drastically improved from the time of the start of the lock-down: scores on proctored exams are up 12, the 'happiness score' of students is up by 8, and student numbers in the 3 segments of concern - 'likely to drop', 'at-risk and 'strugglers' have fallen by 45 . We now have, through various pilots and trainings , a clear framework on supporting online learning for students who face infrastructural challenges - which will play an important part in pedagogy in the future. We plan to continue to monitor key student engagement metrics, and build on this initiative with the aim that no student should be left behind. 7. Resources required: - IT infrastructure and Artificial Intelligence based framework developed through our partner AADOO Softteck. - Detailed inputs and feedback from student and faculty - Faculty development and training programs. 8. Contact Persons for further details - Sachin Sharma,CTO BEST PRACTICE 2: 1. Title of the practice: Radio Shoolini - A community radio effort to spread awareness and help upskilling 2. The context that required the initiation of the practice (100-120 words) In order to provide students quality education and exposure to enhance their communication and writing skills, Shoolini University came up with this idea of a Campus Radio titled Radio Shoolini. Irrespective of their streams, all students are allowed to come up with their ideas and host their own shows which are played in the campus as well as posted on the official online website for the listeners. In addition to that, students can also record their other talents like music, storytelling and poem reciting. The university has a complete setup of a sound-proof studio and recording devices for the students with a faculty in-charge. To begin with, students are given shows based on their interests so that they find the whole thing interesting and gradually start doing other shows. 3. Objectives of the practice (50-60 words) The overall goal of the campus radio is to provide students overall growth and support to achieve their goals and help them become a professional and balanced speaker. It also accomplishes the following objectives: • To ensure the students have a platform to showcase their talents. • To monitor that the right form of information and data is being recorded in the shows. • To make students aware about the different types of talents they can showcase on Radio. • To induct students to write their thoughts which improves their writing skills and brings clarity in their thought process and also makes them confident. • To inculcate the love for speaking out thoughts and relate them with their favourite music while recording shows. • To involve faculty in showcasing their talent through different Radio Shows based on their talents. 4. The Practice (250-300 words) The faculty-in-charge of the campus radio is responsible for helping students in writing their scripts, providing ideas for the shows and also teach them the basic knowledge about recording and speaking with the help of an automated audio system. The radio shows range from basic theme based shows, Bollywood-based shows, Motivational talks, Interactive Shows with views of students and faculty to special interview shows which are done by the students for the students. The radio shows are designed, written, recorded, edited and mixed before playing by the faculty-in-charge and also a list is made of the same. The Campus Radio acts as a strong platform for the students to display hidden talents and develop their personality. 5. Obstacles faced if any and strategies adopted to overcome them (100 words) The only challenge being faced is bringing students to studio for recording as they feel scared of speaking before the mike but slowly and steadily, they are being encouraged through Auditions/ Open elective Course of Becoming an RJ and one-to-one interactions and the number of RJs of Radio Shoolini is increasing with each passing day. Efforts are on to make our Campus Radio a Community Radio Station which will further boost the listenership and interest of listeners which would then include people outside the University Campus too. 6. Impact of the practice (100-120 words) The practice has been instrumental in raising the standards of the university as

well as providing the students with amazing opportunities to attain knowledge by writing and improve their speaking skills thus boosting confidence and bring out the best in the students. It has also become a source of entertainment for the students as well as faculty. The campus radio also helps in promoting university special events and important notices to make the students and faculty aware about latest changes or updates. 7. Resources required: • Faculty- Special care is given during the recruiting of expert teachers so that there is balance and normal functioning of the institution. • Students and other professional staff are also a part of the practice as their suggestions and observations are very insightful. • A soundproof studio with proper functioning Audio system installed. 8. Contact person for further details Indu Negi, Shoolini University, Solan, Himachal Pradesh. Phone: 91 870-8652614 Email: [indunegi@shooliniuniversity.com](mailto:indunegi@shooliniuniversity.com)

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%20Practice%20for%202019-20.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 and quality research. The one area distinctive to our vision, priority and thrust is Excellence in Citational Research. Our 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 Konstanz Germany, IIT Delhi, Louisiana State University, IIT Kanpur, IIM, Sichuan University China, ISB and many others have performed some exceptionally good research in the areas of Chemical, Physical, Nano, Pharma, engineering, bio and social sciences. As a result of that the research papers that are published till date have received exceptionally high citations, in tune of 12 per paper from the peers, which has positioned Shoolini University on top (No. 1 in India) of citational research in the QS Asia rankings 2021 recently published. Not only that Shoolini University has been ranked 14 in Asia in citational research in the QS 2021 Asia rankings. In addition to the citation per paper, Shoolini University is also on top in India in other quantifiable research parameters like Field Weighted Citation Impact, percentage of Papers in top 10 most cited worldwide, percentage of Papers in top 1 most cited worldwide and International collaborations Shoolini University research credentials have also been recognized at other National and International platforms as well. Here are the glimpses of some of them 1. Shoolini University has been ranked #53 among all Indian Institutions in Research by NIRF 2020. 2. The h-index of Shoolini University is 72 which is second highest amongst the Institutions who are established in or after 2009. 3. Shoolini University has been ranked #18 among all Indian Institutions in Research by Nature Research Index 2020. 4. Shoolini University has been ranked #34 among all Indian Institutions in research by SCIMAGO rankings 2020. 5. Shoolini University has also filed 520 patents in past 5 years and as a result of that we have been placed amongst top 3 highest patent filers in a report published by IP India 2020. 6. Shoolini University has also been bagged position in the band of 6-25 in Atal Innovation rankings. In addition, Shoolini University faculty members have also been recognised at International level. Seven of our Faculty members were placed in top 2 list of global list of Scientists published by Stanford University. One of our faculty

member has also been nominated as top 1 of highly cited researchers published by Clarivate analytics.

Provide the weblink of the institution

<https://shooliniuniversity.com/pdf/Institutional%20Distinctiveness%20for%202019-20.pdf>

### **8.Future Plans of Actions for Next Academic Year**

In order to strive for excellence in teaching and learning/research, Shoolini University has formulated an ambitious plan of action for the coming five years. For the coming academic year 2020-21, the following are the key activities planned to further improve upon our strengths.

- In order to fulfill our vision to be amongst the top 200 global universities by 2022, We are preparing ourselves in terms of data so that we will be ready with a strong application. We will be submitting our application in 2022 and we are expecting a good global rank in 2022. In addition, we will also be preparing for our global rank journey of subsequent years.
- We are planning to expand our most sought-after Research program "Summit Research Program" from Biotechnology and Food Technology to Pharmaceutical Sciences and Computer Science and Artificial Intelligence.
- We are also planning to introduce new-age courses from the academic year 2020-21 in Artificial Intelligence, Rural Management, Naturopathy and Yogic Sciences, International Relations, Renewable energy, Mechatronics, Automobile Engineering, Energy Technology, Biomedical Engineering, Nutrition, and Dietetics, etc.
- Considering the development in the area of online teaching during past few months, Shoolini University is further strengthening its online education infrastructure by adding another 1GBPS lease line and in addition 50 e-studios have been created in the campus so that the online classes can be delivered seamlessly.
- Shoolini University is planning to strengthen its recently established Raj Khosla Cancer Research Center both in terms of infrastructure and research activities.
- To further strengthen the research infrastructure, University is planning to invest in the upgradation and expansion of the current labs so that more research students can be accommodated for the research and innovation-related activities.
- Shoolini University is also planning to set up a COVID research lab on the campus so that research activities related to COVID can be further expanded.
- With the introduction of courses in AI, Machine learning, and cloud computing, Shoolini University is also planning to expand the research infrastructure in this area during the next academic session.
- Shoolini University is planning to further strengthen and enhance the activities of yoga programs so that research can be initiated in this very important discipline. Shoolini University is also planning to utilize yoga and yogic practices to relieve stress and to provide a healthy body to people in these difficult COVID times. For this online sessions have been planned not only for our own students and staff but the sessions will also be available on youtube so that anyone everyone can be benefited from the same.
- Shoolini University has established a center on Renewable Energy and under the aggies of this Center, we are planning to work on the Effective utilization of locally available resources and adoption of clean energy solutions like solar, wind, hydro, waste to energy and biomass, etc.
- Shoolini University is also planning to enhance the extramural research funding in 2020-21 and for that faculty members are engaged in writing.