



**Shoolini University of Biotechnology and Management Sciences,**  
Village Bhajol, P.O. Sultanpur,  
Dist. Solan, H.P, Pin 173229  
**Academic & Administrative Audit (AAA)**

**INDEX**

<b>Audit Title</b>	<b>Audit Details</b>
Academic Audit & Administrative Audit 2016-17	Audit information for Academic Year (A.Y. 2016-17)

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<b>Detail of the Institution</b>	
<b>Data of the Institution</b>	
<b>1. Name of the Institution</b>	Shoolini University of Biotechnology and Management Sciences
<b>Name of the head of the Institution</b>	Prof. Prem Kumar Khosla
<b>Designation</b>	Vice Chancellor
<b>Does the Institution function from own campus</b>	Yes
<b>Phone no/Alternate Phone no.</b>	01792308000
<b>Mobile no.</b>	9816064182
<b>Registered Email</b>	<a href="mailto:iqac@shooliniuniversity.com">iqac@shooliniuniversity.com</a>
<b>Alternate Email</b>	<a href="mailto:vc@shooliniuniversity.com">vc@shooliniuniversity.com</a>
<b>Address</b>	Village Bajhol, Post Office Sultanpur
<b>City/Town</b>	Solan
<b>State/UT</b>	Himachal Pradesh
<b>PIN Code</b>	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.	01792-308000
Mobile no.	9857550999
Registered Email	<a href="mailto:iqac@shooliniuniversity.com">iqac@shooliniuniversity.com</a>
Alternate Email	<a href="mailto:varshapatil@shooliniuniversity.com">varshapatil@shooliniuniversity.com</a>
<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="https://shooliniuniversity.com/pdf/AQAR2016-17.pdf">https://shooliniuniversity.com/pdf/AQAR2016-17.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
<b>5. Accreditation Status/ Year of accreditation/ Grade</b>	Yes; 2016; B++
<b>6. Establishment of IQAC/ date of establishment</b>	Yes; 26-Dec-2014

## 7. Internal Quality Assurance System

Quality initiatives by IQAC	
Year	No. of events organized
2016-17	64 (International 1, National 4, Institutional 59)

## 8. Special status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR etc.

Year	Funding agency	Amount (lakh)
2016-17	DST-FIST grant for the “Establishment of Advanced Research Facility for Proteomics (No. SR/FST/LSI-633/2015)	65 lakh (50:50 mode)
	Ministry of food processing industry (New Delhi)	73.71
	Food Testing Lab (MoFPI) (Grant released)	285.39 crore

## 9. Whether the composition of IQAC is as per the NAAC guidelines

Yes

## 10. Has IQAC received any funding from UGC during the year?

No

## 11. Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.  International  National  State  Institution Level

University has organized total 59 events in 2016-17. All schools are proactively involved in promoting learning from leaders across various fields and walks of society. The University has a plethora of outreach programs that include seminars, guest lectures, workshops, panel discussions, alumni talk, etc. which aims to provide a wholesome learning environment to the students. The University has initiated **Guru Series** of talk wherein an eminent person holds a talk on a regular basis for the staff and students.

## 2.14 Significant Activities and contributions made by IQAC

IQAC was involved in detailed Strategic Annual Planning before the commencement of the academic year 2016-17. Following areas/aspects were included in the planning:

- a) Academic Planning and Strategy
- b) Resource Planning
- c) Research & Innovation Planning
- d) Industry Interaction and Placement Planning
- e) Internationalisation Planning
- f) Other Activities
- g) Student Development Activities Planning

### **2.15 Plan of Action by IQAC/Outcome**

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year

### **2.16 Whether the AQAR was placed in statutory body**

Yes

**Part – B**  
**Criterion – I**

**1. Curricular Aspects**

- The University has offered 60 programs in total during 206-17 and out of these 28 were UG, 22 in PG and 10 in PhD. The syllabus is reviewed at regular intervals and most of the programmes taught are interdisciplinary and innovative in nature
- All the programmes were run in CBCS and semester mode except MBA where Quadmester pattern was followed.
- Regular feedback were obtained from stakeholder
- The curriculum of programs was modified keeping in mind the industry requirements and inputs that came from Academic and Research experts. Course syllabi were revised accordingly.
- CBCS (Choice Based Credit System) curriculum got implemented both at syllabi and evaluation level.

## Criterion – II

### 2. Teaching, Learning, and Evaluation

#### 2.1 Total No. of permanent faculty

A.Y.	Total	Asst. Professors	Associate Professors	Professors	Others
2016-17	183	120	19	29	15

\*\* Associate Professors /Professors holding Dean /Directorship in the university

#### 2.2 No. of permanent faculty with Ph.D.

A.Y.	Total
2016-17	76

#### 2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
27	0	1	25	9	0	2	0	39	25

#### 2.4 No. of Guest and Visiting faculty and Temporary faculty

46	29	0
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#### 2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	18	66	13
Presented papers	5	22	0
Resource Persons	0	7	1

- Faculty members have regularly participating in the International, national and state level conferences, symposia and invited resource persons.

- The university has adopted a number of innovative processes in teaching and learning for the programmes offered across the University. Innovative measures were taken to cater to the changing requirements of the students and improving teaching methodology.
- The quality of teaching and learning is continuously assessed on the basis of feedback from students. School level Academic Committees and Board of Studies are other means to ensure the accountability of the Schools / Faculty.
- UGC guidelines are followed to meet the requirements of teaching days
- All the examinations are conducted in fair and fool proof manner by the Controller of Examination Office
- Almost 90% faculty members are involved in curriculum restructuring/revisions/syllabus development workshops
- Every faculty member of the University is involved directly or indirectly in the curriculum design and development process
- Average percentage of attendance of students reported is 76%
- The course/programme wise distribution of pass percentage is encouraging
- The Institutional IQAC members along with Deans and HOS monitor the activities of Teaching-Learning processes.
- All the activities of Teaching-Learning processes are discussed during the IQAC meetings. After the review University monitors and evaluates the conduct of above processes through Academics Office who gives the report to the Management and follows up with the Institution till the points are closed based on the corrective/preventive action taken by the Institutions.
- 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.
- The formal Faculty development training program was also initiated in the Academic year 2016-17.
- The program works under the aegis of IMPACT (Integrated Management Program for Professional Advancement and Career Transformation) and is dedicated to analyze the training needs, design and develop the content, deliver and evaluate the program. This Program enables new faculty to acclimatize with the university's processes, people, while for existing faculty to continually evolve them to address the developments which are taking place globally in terms of teaching pedagogy and research.

**Table : 2.1 Details of the programmes organized during 2016-17:**

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculties benefitted</i>
Refresher courses	--

UGC – Faculty Improvement Programme	---
HRD programmes	---
Orientation programmes	37
Faculty exchange programme	4
Staff training conducted by the university	104
Staff training conducted by other institutions	18
Summer / Winter schools, Workshops, etc.	27
Others	02

**Table : 2.2 Details of Administrative and Technical staff**

<b>A.Y.</b>	<b>Category</b>	<b>Number of Permanent Employees</b>	<b>Number of Vacant Positions</b>	<b>Number of permanent positions filled during the Year</b>	<b>Number of positions filled temporarily</b>
<b>2016-17</b>	Administrative Staff	111	29	11	0
	Technical Staff	55	27	8	0



## Criterion – III

### **3. Research, Consultancy, and Extension**

#### **3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution**

- IQAC has taken the proactive initiative to sensitize and promote research climate in the Institution. SUMMIT Research Program with generous funding from University in Faculty of Applied Sciences & Biotechnology is one such initiative where research program was initiated at the undergraduate level.
- University setup Shoolini University Research Fund to provide startup grants and for the purchase of high-end equipment for central facilities. These facilities will work 24/7 and open lab culture is a major initiative of IQAC.
- IQAC has taken a major initiative to ensure that Intellectual Property generated by the researchers of the University is protected and commercialized.
- University has conducted seminars and workshops on scientific writing and project writing.
- IQAC has also taken initiatives to ensure the scientific integrity of the researchers. Faculty and students are made aware from time to time of various issues regarding scientific misconduct and are guided by senior faculty to ensure the quality and integrity of the research data generated from the university
- IQAC has taken further initiatives to further improve the quality of the research by promoting a culture of intra and inter-institutional collaborations. Several researchers and academics also visited various institutes and universities in India and abroad under this initiative of IQAC.
- Lab safety, an area usually ignored in academic institutes, is another major initiative of IQAC.

#### **3.2 Details regarding major projects**

**During the Year 2016-17 different projects have been sanctioned by the various funding agencies such as ICMR, DST, BRNS, DBT, DBT RBGY, SERB DST, Indo New Zealand project by DSTMBIE, DST INSPIRE, UGC-RGNF, DST FIST, NMHS, DRDO, MOFPI, HPSCST&E**

A.Y.		Completed	Ongoing	Sanctioned	Submitted
2016-17	Number	13	14	2	16
	Outlay in Rs. Lakhs	54,74,535.00	1,35,14,154.00	1,98,20,000.00	6,39,44,047.00

### 3.3 Details regarding minor projects

A.Y.		Completed	Ongoing	Sanctioned	Submitted
2016-17	Number	-----	4	-----	-----
	Outlay in Rs. Lakhs	-----	11,00,000.00	-----	-----

### 3.4 Details on research publications

A.Y.		International	National	Others
2016-17	Peer Review Journals	327	64	
	Non-Peer Review Journals			
	e-Journals			
	Conference proceedings	4	1	

### 3.5 Details on the Impact factor of publication

Range  Average  h-index  Nos. in SCOPUS

As per Google Scholar University has 1020 publications out of which publication in SCOPUS is 564 as on Jan 2018. These numbers are very dynamic and keep changing every day. Shoolini has emerged as one of the leading research universities within a short span.

### 3.6 Research funds sanctioned and received from various funding agencies, industry and other organizations

A.Y.	Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
2016-17	Major Projects	2016-2017	ICMR	63.35	1,727,641.00
			DST	342.11	7,530,359.00
			BRNS	23.21	558,075.00
			DBT	87.358	890,048.00
			NMHS	40.26	2,161,200.00

		MoFPI	359.1	3,428,235.00
		DRDO	26.9	436,160.00
Minor Projects	2016-2017	SCSTE	6.0	300,000.00
		MNRE	5.0	250,000.00
Interdisciplinary Projects	Most of the projects are interdisciplinary in nature details are mentioned in Tables 3.1,3.2,3.3,3.4 & 3.5			
Industry-sponsored		Details under table 3.7		32,53,025.00
Projects sponsored by the University/ College	2016-2017	Shoolini University		5,50,000.00
Students research projects <i>(other than compulsory by the University)</i>	2016-2017	DST INSPIRE	85.0	19,30,171.00
		UGC-RGNF	17.0	326,800.00
Any other(Specify)				
Total				2,33,41,714.00

### 3.7 No. of books published

A.Y.	Detail	No.
2017-18	With ISBN. No.	3
	Chapters in Edited Books	50
	Without ISBN No.	0

### 3.8 No. of University Departments receiving funds from

UGC-SAP	<input type="text" value="NIL"/>	CAS	<input type="text" value="NIL"/>	DST-FIST	<input type="text" value="1"/>
DPE	<input type="text" value="NIL"/>			DBT Scheme/funds	<input type="text" value="NIL"/>

### 3.9 Revenue generated through consultancy

Shoolini University promotes and supports consultancy projects as an official policy. The total revenue generated during 2016-17 from the consultancy was Rs 32, 53, 025

### 3.10 No. of conferences organized by the Institution

A.Y.	Level	International	National	State	University	College
2016-17	Number	-----	4	1	1	-----

### 3.11 No. of faculty served as experts, chairpersons or resource persons

A.Y. 2016-17	16 faculty members from different programmes have served as experts, chairpersons or resource persons during 2016-17.
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### 3.12 No. of collaborations

**International:** 35 MoU's have been signed during 2016-17 with various International universities / institutions.

**National:** During 2016-17 In all 7 MoU'S have also been signed with National Universities / institutions

**Collaborations with recognized bodies:** 12

### 3.13 No. of linkages created during this year

14 Nos

### 3.14 Total budget for research for a current year in lakhs:

From Funding agency

206

From Management of University/College

34

Total

240

### 3.15 No. of patents received this year

A.Y.	Type of Patent		Number
2016-17	National	Applied	23
		Granted	---
	International	Applied	3
		Granted	---
	Commercialised	Applied	3
		Granted	3

**3.16 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year**

Total	International	National	State	University	Dist	College
12	3	9	-	-	-	-

**3.17 No. of faculty from the Institution who are Ph. D. Guides**

**3.18 No. of Ph.D. awarded by faculty from the Institution**

**3.19 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)**

JRF  SRF  Project Fellows  Any other

**3.20 No. of students Participated in NSS events:**

University level  State level   
 National level  International level

**3.21 No. of students participated in NCC events:**

University level  State level   
 National level  International level

**3.22 No. of Awards won in NSS: Nil**

**3.23 No. of Awards won in NCC: Nil**

**3.24 No. of Extension activities organized**

University forum  College forum   
 NCC  NSS  Any other

**3.25 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility**

The University strongly believes that teaching, research, and extension are an integral part of higher education for enhancing the employability of its graduates. The following is the list of activities done on regular basis in the A.Y. 2016-17:

- i. Blood donation camps
- ii. Tree plantation
- iii. AIDS Awareness Program
- iv. Sexual Harassment Prevention Programs
- v. Cleaning of local springs in the neighborhood
- vi. Campus on use of Solar Energy for cooking
- vii. Painting competitions on an environmental issue
- viii. Distribution of fruit and forest saplings to farmers for helping them to raise their earning and conservation of the environment
- ix. Practical Training to local village women in food processing
- x. Organization of Spring Flower Festival
- xi. Village adoption for social upliftment
- xii. Upgradation of a primary school in the neighborhood
- xiii. A celebration of International Days-World Environment Day, World Forestry Day, World Population Day, World Women Day, World AIDS Day
- xiv. Organize INSPIRE activities of Schools in the University campus

## Criterion – IV

### 4. Infrastructure and Learning Resources

#### 4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	20.1 acres	----	-----	20.1 acres
Class rooms	57	57	-----	57
Laboratories	33	26	Fee & Research Grants	59
Seminar Halls	10	5	Fee	15
No. of important equipment's purchased ( $\geq$ 1-0 lakh) during the current year.				
Value of the equipment purchased during the year (Rs. in Lakhs)	1,23,17,400		Fee & Research Grants	
Others	1	1	-----	1
Open Air Theatre				
Adventure Camp	1	1	-----	1
Cineplex	1	1	-----	1
Indoor Sports Complex	1	1	-----	1
Playgrounds	Basketball, Volley Ball, Badminton, and Cricket pitch.			
Gymnasium	Central gymnasium in the indoor Stadium; additional facility for boys and girls hostel			

#### 4.2 Computerization of administration and library

The Yogananda Library of Shoolini University and all administrative functions are fully automated.

The library has evolved as a Multidimensional learning facility and transformed itself as a Knowledge Center, in keeping with the vision of the University.

- i. The library services use 'Pearl plus MySQL' based on KOHA software.
- ii. The webpage including holdings, booking, and queries can be accessed through the University intranet
- iii. Access to centrally subscribed research sites and other libraries can be accessed through a password generated access system.

Recent digital initiatives taken in the library are enumerated:

- i. Full automation of library services with digital access referencing system
- ii. Digital linking of the Central Library and School libraries.
- iii. Electronic Access Control System and CC TV Coverage.
- iv. Creation of Analytics and Language Lab.
- v. Introduction of E-newspapers and magazines.

Each school also maintains a library, which is an adjunct the main Library.

**Library Automation.** Though the entire Library is Wi-Fi enabled, the following are provided:

Total number of computers for public access	: 24
Total number of printers for public access	: 2
Intranet bandwidth for library	: 65Mbps
Institutional repository	: Through Intranet
Participation in resource sharing networks/consortia: eUniv, EBSCO, DELNET and Open Sources.	

The list of Licensed Software is as follows:

**Office Automation/ Application Software**

- i. Tally 9.0
- ii. MS-Exchange Server 2007
- iii. MS-Exchange Server 2000
- iv. Exchange Server CAL OLP NIAE 2000
- v. Microsoft Front Page 2002 AE
- vi. MS-Office 2013, 2010, 2007, 2003 & XP
- vii. MS Access 2010
- viii. MS Project 2010
- ix. MS Outlook 2010



### **Operating System/ System Software**

- i. Windows Server 2008 R2 and 2003 R2
- ii. Windows 7, 8.1 & XP
- iii. MS- Windows 2012 server
- iv. MS-Windows NT 4.0 Server
- v. MS- Windows NT 4.0 workstation

**Anti-Virus Scanners.** Trend Micro Antivirus

**A number of nodes/ computers with internet facility:** 100 % with internet facility.

**Any other.** The University has connected all blocks and hostels by OFC to concurrently broadcast lectures, motivational movies etc.

### **Apart from the above, the institution has deployed the following IT facilities**

- i. Mail, Messaging (Microsoft/Gmail cloud for students and faculty)
- ii. Web content filtering & caching proxy
- iii. Gateway security & anti-spam
- iv. Application servers on Linux and windows
- v. DHCP and RADIUS protocols
- vi. Library management services and online web catalog
- vii. Many to Many Video-conferencing
- viii. Helpdesk services
- ix. Network security
- x. Key management services and DNS
- xi. Wi-Fi campus on 802.11n with fault tolerance and load balancing
- xii. Open source Learning Management System - eUniv
- xiii. Anti-plagiarism system
- xiv. Virtual classroom and eUniv

### **4.3 Library services:**

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	30842	49.78 Lac	3652	9.84 Lac		59.62 Lac
Reference Books	3169					
e-Books	150000					
Journals*	9000	*9.68 lac is the recurring expenditure spend on newspapers /library journals / e-journals and magazines annually				
e-Journals						

Digital Database	4		----	----	4	
CD & Video	1800				1800	
Others - Magazines	25				25	
Newspapers	21				21	

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	359	6 Labs	75 mbps	21	60	40	60 ( all)	
Added	4	---	30 mbps	-	-	4		
Total	363**	6	105 mpbs	21	60	44	60	

\*\* As a policy every faculty member uses laptops for teaching and research – no’s above are exclusive.

#### 4.5 Computer, Internet access, training for teachers and students and any other programme for technology Upgradation (Networking, e-Governance etc.)

- i. Online Library on “moodels”
- ii. LMS system for Students and teachers
- iii. MyShoolini app for Android and IOS for faculty & Students
- iv. Online attendance system for students and faculty

#### 4.6 Amount spent on maintenance in lakhs: **62880463**

i) ICT	2357748
ii) Campus Infrastructure and facilities	54403634
iii) Equipment	967813
iv) Others	5151268
<b>Total:</b>	<b>62880463</b>

## Criterion – V

### **5. Student Support and Progression**

#### **5.1 Contribution of IQAC in enhancing awareness about Student Support Services**

The information about Student Support Services, is available in the University, is given to students and all stakeholders through the University website. The IQAC enhances the awareness about the Student Support Services through a multi-level system that focuses on overall development of students in a holistic way.

#### **Orientation program**

This is conducted for all the new students before the formal commencement of classes.

#### **University Level**

- i. Introduction to the academic rules and regulations of the University.
- ii. The issue of Identity cum ERP Smart Cards and explanation on its, multi-purpose usage.
- iii. Personnel of the Anti-ragging and grievances redressal committees are introduced. Dean Student Welfare complimented by Dean Resident students supports the students in extra-curricular development through NSS, sports, cultural, social and extension activities etc.
- iv. Introduction to hobby clubs.
- v. Foreign students are provided all the basic facilities and support to adjust to the new environment. They are assigned a faculty as well as a student mentor.
- vi. Meditation and PT classes for physical and mental fitness of the students.

#### **Student Support at School Level**

- i. Introduction to all faculty members.
- ii. The administrative staff helps students with registration formalities.
- iii. The team also provides the day to day information on timetable, examinations, guest lectures, special events and holidays etc.
- iv. A Faculty mentor is assigned to each student. Mentors supervise academic performance and provide psychological support.
- v. Mentors also guide the students to take up the research projects and other initiatives like organizing events and participation in extracurricular activities etc.

#### **Hostel Level**

- i. Introduction to the hostel rules and regulations of the University.

- ii. Hostel students are also provided all support by the wardens to adjust to the new environment.

**Placement and Career Development Cell**

- i. This has been established in the University where students get guidance on job opportunities. The following are ensured.

**Placement drives: Facilitates** ‘on campus’ placements.

**Placement opportunities:** The students are offered placement opportunities for two years after their completion of the degree.

**Alumni Association:** Regular interactions with students.

**Health Care**

There is a well-equipped health center with two full-time doctors, to provide the basic health care services. Apart from healthcare services, doctors have been counseling students on physical and mental fitness. The Lady Doctor is part of the counseling cell to address the social and psychological aspects.

**5.2 Efforts made by the institution for tracking the progression**

Guidance and monitoring of the students’ progress are performed regularly through a well-defined mentor-mentee program.

**5.3 (a) Total Number of students**

UG	PG	Ph. D.	Others
597	497	31	21 (Integrated) + 7 M.Phil =28

**(b) No. of students outside the state** 176

**(c) No. of international students** 8

Men	No	%	Women	No	%
	597	51.77		556	48.22

Last Year(15-16)						A. Y. (16-17)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
663	95	36	50	0	844	905	100	64	84	0	1153

Demand ratio 1.1.5          Dropout % Less than 1%

#### 5.4 Details of student support mechanism for coaching for competitive examinations (If any)

University has incorporated many courses in the regular curriculum like courses on Personality Enhancement, Aptitude and analytical skills, NET/ GPAT/ GATE, AMFI (Association of Mutual Funds in India) Certification, IRDA (Insurance Regulatory and Development Authority) Certification etc. which has helped many students to clear competitive exams.

Coaching classes are also offered for NET/SET, GATE and GPAT and guidance is provided for competitive examinations.

1. No. of student's beneficiaries

92

#### 5.5 No. of students qualified in these examinations

NET       SET/SLET       GATE       CAT

IAS/IPS etc       State PSC       UPSC       Others

#### 5.6 Details of student counseling and career guidance

Students are provided counseling and guidance at multiple levels – from the time they are admitted until they graduate from the University.

- Centralized Admission Cell guides all new students to help them familiarize with the campus facilities and University rules.
- Students get assigned to a faculty mentor in groups. The mentor provides guidance to his/her mentees in both academic and personal matters till the time individual students got placement.

- In addition, project guides are also nominated who guide the students for their project work.
- The Dean Student Welfare, Dean of Resident Students' and Dean Academic Affairs oversee all initiatives and actions related to students' safety and welfare in the campus and hostels.
- The 'Placement and Career Development cell' provides counseling and facilitation for placement and career development of the students.
- Alumni associations and various Clubs have been formed with the active participation of ex-students and faculty for students to guide and familiarize them with the requirements and expectations of the industry and the corporate world.
- Office of International Affairs counsels and facilitates students to participate in exchange programs with global universities, and also to enroll in their internship and PG/ Doctoral programs.

Faculty mentors are appointed for every 20-30 students. Placement Coordinator for every department and a Central Placement Cell that take care of placement and career counseling of the students University has also established “Disha” counseling cell to address social and psychological aspects of the students, designated counselor visits the university every fortnight for individual and group counseling which has benefitted students. University has also started an Open Elective Introduction to Psychology which is very popular among students.

No. of students benefitted

### 5.7 Details of campus placement

Placement and Career Development Cell of the University provide career guidance and job opportunities to the students. Placement team headed by Director Placements provides exit level support. Post exit, the Alumni Coordinator keeps a track of the professional progression of Shoolini’s students. Following is the details of campus placements in A.Y 2016-17:

<i>On campus</i>			<i>Off-Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
84	518	481	18

### 5.8 Details of gender sensitization programmes

The University promotes a gender-sensitive environment. In that, the following are in place:

1. Conducting gender-related lectures by counselors and legal cell of the university for students and faculty on sexual harassment and its prevention.
2. Creation of a cell to deal with issues related to sexual harassment.
3. A Sexual Harassment Prevention Committee is in place as per the direction of the Hon’ble Supreme Court.

### 5.9 Student Activities

#### 5.9.1 No. of students participated in Sports, Games and other events

State/ University level  National level  International level

No. of students participated in cultural events

State/ University level  National level  International level

#### 5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level  National level  International level

Cultural: State/ University level  National level  International level

### 5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	636	1,20,82,824
Financial support from government	67	80,000 to 1,20,000 per student
Financial support from other sources	-----	-----
Number of students who received International/ National recognitions	21	15 lakh per Annum per student

### 5.11 Student organised / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students

### 5.13 Major grievances of students (if any) redressed:

- Redressal of grievances is done at multiple levels – both at the central and school level
- Grievances could also be addressed directly at the University level to the Dean Student Welfare and Dean Resident Students.
- At the school level, grievances from students are redressed through the medium of Mentor-Mentee system as also by direct representation to the program coordinator and Head of the School.
- Students can also mail their grievance at Care@shooliniUniversity.com for the attention of the Central Student Grievance Cell. The identity of the student is kept confidential in all such cases.
- Grievances cell is in place for Prevention of Sexual Harassment of Women Staff and Students.
- All grievance issues of the students for the academic year 2016-17 were addressed at the School level only; no issues were reported to the grievance cell.



## Criterion – VI

### **6. Governance, Leadership, and Management**

#### **6.1 State the Vision and Mission of the institution**

**The vision of the University is** ‘To be a top 200 global university by the year 2022’ and mission of the University is:

1. To provide the ideal environment for higher learning with a serene & beautiful campus, state-of-the-art facilities & a creative atmosphere conducive to excellence in pursuit of knowledge.
2. Be a knowledge leader in our selected specialties in the academia, and provide outsourcing and consultancy services to industrial/ organizational setups in this domain
3. Encourage our students to be “balanced specialists”, who excel in their own field, while being well-rounded through personality- development & extra-curricular activities.
4. Develop students who will be recruited by the best employers, and who will contribute to the economic vitality of the state & country.
5. Create an environment to attract top faculty, and build a pool of academic leaders by providing the right ambiance and resources.

#### **6.2 Does the Institution has a Management Information System**

- Shoolini University has a well-designed Management Information System and has developed in-house enterprise-wise information on intra-net known as myshoolini.
- 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. eUniv also acts a platform for online examinations, class discussions, case studies etc.
- Feedback from various stakeholders is also taken and analyzed. The results of the analysis and audits are informed to the concerned authorities and Management through Management Review Meetings and One to one interactions periodically.

#### **6.3 Quality improvement strategies adopted by the institution for each of the following:**

##### **6.3.1 Curriculum Development**

- The university is regularly taking feedback and suggestions for the curriculum development and revision process and approving it through the Boards of Studies constituted at School level including external experts from industry and academics to structure and revise the curriculum for improving the employability of students. Placements of the University’s students have significantly improved through regular fine-tuning of the curriculum.

### **6.3.2 Teaching and Learning**

- Shoolini University is committed to excellence in all aspects of learning, transmission of the knowledge and developing skills and most importantly, to encourage free thinking to address complex challenges. Centralized body headed by the Dean Academic Affairs to review the teaching-learning process and conducts an academic audit on annual basis and taking appropriate initiative to the recommendations.

### **6.3.3 Examination and Evaluation**

- Examinations are conducted in fare and proctored mode using offline and online modes under the guidance of Controller of Examinations. Results are declared 1-2 weeks after the exam and uploaded to the website and “my shoolini “dashboard on the same day.

### **6.3.4 Research and Development**

- 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 regularly conducts workshops, training and sensitization programs, to promote research culture in the University. Following steps have been initiated for promoting research in the university:
  - Advancing Funds for Sanctioned Projects
  - Providing Seed Money
  - Simplification of procedures for sanctions/ purchases by investigators
  - Autonomy to the principal investigator/coordinator for utilizing overhead charges
  - Timely release of grants
  - Timely auditing
  - Submission of utilization certificate to the funding authorities

### **6.3.5 Library, ICT, and physical infrastructure/instrumentation**

- Shoolini University has a state-of-the-art infrastructure in terms of Library, ICT and instrumentation that compares favorably with some of the best institutions in India. The University’s commitment towards quality education can be partly visualized with 105 laboratories for promoting learning through teaching, research, workshops, computing, or studio work.
- Conventional teaching has been supplemented and augmented by the use of latest technology. ICT enabled class rooms to facilitate teachers to demonstrate problem-solving techniques. The library is well stocked with approx. 1.85 lac book titles in the physical and electronic form. The University subscribes to around 9,000 e-journals through USA based EBSCO and DELNET databases.

- The entire University is connected through a high bandwidth enabled wireless network and auditoriums are linked through intranet as well as the internet with video-conferencing facilities.
- 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 over 400. In addition, there is a Cineplex with a seating capacity of 150 that offers a 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.

### **6.3.6 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.

### **6.3.7 Faculty and Staff recruitment**

- University is making special efforts for recruitment and retention of quality faculty. The positions are advertised through print and electronic media. A meticulous process of evaluation that includes seminar presentation and personal interviews with a carefully chosen panel of experts is adopted. Internal promotions are also done during the annual appraisals.

### **6.3.8 Industry Interaction / Collaboration**

- Shoolini University is giving emphasis on 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. As part of international tie-ups with various organizations, Shoolini University is having an exchange program for students and the faculty to pursue studies and undertake research with universities, outside the country. University is also planning to strengthen the collaborations and tie-ups with universities across the globe.

### **6.3.9 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. Analysis of admissions is conducted periodically so as to make

changes to draw students from all sections of the society. As a result of these strategies, admissions in the University has been on the rise progressively.

Proper advertisements are issued in local and national newspapers, TV Channels, FM Radio, University's website, and also through handbills and inserts in newspapers and outdoor hoardings. University publishes annual prospectus (information brochure) providing details of all courses with their eligibility criteria and elaborating the admission procedure, as also the facilities available in the University. All admissions are made as per the guidelines of the Himachal Pradesh Private Educational Institutions Regulatory Commission/ PCI/ UGC/AICTE. List of all admitted students for each program is posted on the University's website and the Schools' notice boards. The University does not have any Management quota.

#### **6.4 Welfare schemes for Teaching/non teaching and students**

All employees are benefitted out of the welfare schemes as enumerated below:

- i. Health insurance.
- ii. Provision of medical leave and on-campus medical facilities.
- iii. Exclusive facility for women in women center, including a crèche.
- iv. Subsidized transportation.
- v. Employees Provident Fund.
- vi. Fee concession to the wards.
- vii. Incentives for higher qualifications/ generating research grants.
- viii. Special facilities for differently-abled being progressively built up.

The Dean Student Welfare, Dean of Resident Students' and Dean Academic Affairs oversee all initiatives and actions related to students' safety and welfare in the campus and hostels. Dean Student Welfare complimented by Dean Resident students supports the students in extra-curricular development through NSS, sports, cultural, social and extension activities etc.

#### **Student Scholarship Schemes**

S. No.	Category	Student Scholarship Schemes
1	SC/ST	Relaxation in admission eligibility as per State and GOI norms Reservations are ensured as per the policy of the Government of Himachal Pradesh
2	OBC	Relaxation in percentage Reservations are ensured as per State and GOI Norms
3	Women	Scholarships are provided to the single girl child 5 percent relaxation for women candidates
4	Economically weaker sections	Scholarships are provided as per State and GOI norms
5	Persons with varied disabilities	Reservations are ensured as per State and GOI Norms

6	Outstanding achievers in sports and other extracurricular activities	Relaxation in percentage as per University norms
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**6.5 Total corpus fund generated**

26.30 Crores as on 31 March 2017

**6.6 Whether annual financial audit has been done**  Yes  No

**6.7 Whether Academic and Administrative Audit (AAA) has been done?**

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	ISO 9001:2008	CSIO	√	IQAC
Administrative	ISO 9001:2008	CSIO		

**6.8 Does the University/ Autonomous College declare results within 30 days?**

For UG Programmes Yes  No

For PG Programmes Yes  No

**6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?**

- i. A minimum attendance criterion for appearing in the end term exam is strictly adhered to.
- ii. Online conduction and submission of question papers, assignments, quizzes etc.
- iii. Open book exam introduced
- iv. CBCS 10-point grading scale for examination introduced.
- v. Centralized Question paper setting strong room made operational.
- vi. Fully automated, paperless examination form filling system introduced.
- vii. The format of question papers, distribution of marks and evaluation process is informed in advance to all Deans/HOS's/Program directors and students.
- viii. Results are declared 1-2 weeks after the exam.
- ix. Results are immediately uploaded to the website and "my shoolini" dashboard on the same day.

**6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?**

Not Applicable

**6.11 Activities and support from the Alumni Association**

- Shoolini Alumni Association has been constituted to create a platform for passed out students to join hands with the University to support its vision and contribute by working together.

**6.12 Activities and support from the Parent – Teacher Association**

- University has no formal structure like parent-teacher association, as parents are an integral and important stakeholder in enhancing the institutional performance. There is a formal procedure of obtaining parent feedback and conducting their satisfaction survey so as to involve them in decision-making processes.

**6.13 Development programmes for support staff**

- University conducts computer proficiency up-gradation programmes for the administrative staff to achieve the desired standards and all the staff has been trained to handle computers for the routine jobs. Special SPRINT (Skill Progression through Rapid Innovative and Intensive training) programmes, Orientation programmes, Effectiveness programmes are also conducted regularly by the non-teaching staff.

**6.14 Initiatives taken by the institution to make the campus eco-friendly**

- Shoolini University's agenda is focused on harnessing, conserving and managing the Himalayan biodiversity. The University aspires to place itself as the resource pool in all fields pertaining to sustainable Himalayan development. It is with this mission that the University is a proud member of the Consortium on Himalayan Universities.

## Criterion – VII

### **7. Innovations and Best Practices**

#### **7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution.**

- IQAC (Internal Quality Assurance Cell) has been actively involved in improving the academic systems and processes. The IQAC is preparing the Annual Quality Assurance reports and organizing the academic review of the departments. Based on the report of the academic review an action plan to implement the findings of the academic review has been developed. The process covered a review of curriculum, research, staffing, infrastructure, governance, academic and administrative decision making, strategic and implementation planning encompassing much of the entire academic culture of the University.
- Action Taken Report (ATR) are generated based on the plan of action decided upon at the beginning of the year
- Shoolini University is aspiring to be amongst the Top 200 Global Universities by a defined timeline requires ‘out of box’ solutions and sustained efforts. In line with this **following two Best Practices are being followed in the institution** The University has built its edifice on following ‘Best Practices in Education’ and is pro-actively leveraging technological solutions towards attaining its time-bound goals.

#### **Best Practice - 1**

##### **1. Title: Promoting Academic Excellence by blending Experience with Talent**

- **Objectives of the Practice:** The bedrock for creating a world-class University is contingent upon the quality of teachers, especially if it aspires to achieve excellence in academics and research. To meet this objective the University will attract and retain talented teachers to provide continuity in learning and research and at the same time, motivated to aspire for excellence.

#### **Best Practice - 2**

##### **1. Title: Developing Inclusive Competencies through SPRINT**

**Objectives of the Practice:** The objective of the SPRINT (denoting accelerated learning) program, therefore is to promote the personal and professional growth of each student and to make them globally competent.

#### **University is regularly contributing to environmental awareness/protection**

- Since sustainability of the Himalayan eco-system is a thrust area for Shoolini University, it is incumbent that the focus is directed on the environment, especially since the University is nested in the Mid Himalayas. This includes taking up eco-preservation in an institutionalized manner and focused research for the rejuvenation of the eco-system.

- University started an ‘Eco Club, in early 2012, with the aim of creating a ‘Clean and Green Consciousness’ on campus, and progressively extending to the immediate neighborhood and the larger Himalayan Region.
- As a part of the Prime Minister’s ‘Swachh Bharat Abhiyan’ and undertaking research on Himalayan sustainability, individually and as part of the consortia of Himalayan Universities students and faculty members of the university have been actively participating in Swachh Bharat Abhiyan started by the Prime Minister of India. In addition, the students and staff of the university have regularly been involved in plantation activities.
- The Shoolini university has always been concerned about the economic plight of marginal hill farmers. In partnership with the Yogananda Satsanga Society of India and University of Horticulture and Forestry, Nauni, Solan, the university has adopted the Panthi Village in Shimla District, HP, for plantation of fruit trees- with the objective of creating ecological conservation as well as creating a secondary source of income for farmers in this dry and arid region.
- University is regularly conducting environmental audits

#### **Plans of the institution for next year**

- The university intends to undertake research work through coordinated efforts by Himalayan Universities to answer the research issues which can make India a front-runner in the drug industry. Shoolini University with a dozen patents in the field of life sciences can play the leading role among the Consortium of Himalayan Universities.
- Shoolini University intends to play the lead role in formulating joint projects for international funding on the aforesaid themes. It has also proposed to be acknowledged as a premier institute in this field, we need to undertake outcome driven research.
- University will also do efforts in collaborative projects to formalize the consortium of Himalayan Universities, Governmental Bodies and NGO’s and foreign universities.
- In view of growing importance and expanding domains of ICT and the Cyberworld the University, will explore the opportunity to expand different fields in academics and to undertake research for expanding the scope of ICT and taking it to the next level – the role of a Center of Excellence is pivotal for this initiative.



### **Overall Recommendations of Committee:**

1. Shoolini's biggest Strength emanates from its determination to excel in academic repute and outshine in the quality of research, and by doing so, it is counted in the elite club of Premier Institutes globally. The university is having mandate to be among top global Universities by 2022. This vision is shared by the Trustees, Management and more importantly, by faculty and staff who are the life and blood of this institution, remains a major support. More efforts are needed from all stakeholders to meet the requirements of this mission.
2. Shoolini's focus on research and development across Schools and its success to date is its second biggest strength. This area needs to be further strengthened with more international research collaborations to meet the aspirations of the University.
3. In the short journey of the University thus far, there has been an infusion of substantial government funds for research (over 25 Crores). With thirty (funded) labs, over a hundred patents and an 'h' factor of 31, Shoolini has emerged as a leading contender in the list of 'Most Admired Science Universities,' a distinction that places it heads above its contemporaries in India. The university scholars needs to attract more national and international fundings to take this journey further with improved h index.
4. The university has still to meet its objectives since the University is still new and its alumni still at junior levels and needs to put more emphasis on improving the student support systems for overall growth of the university.

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Dean, PG Studies

**(Rohit Goyal)**  
Controller of Examination

**(Somesh Sharma)**  
Associate Professor

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