Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**Shiv Nadar University**
Name of the head of the Institution	**Dr. Rupamanjari Ghosh**
Designation	**Vice Chancellor**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**0120-3819100**
Mobile no.	**9871998747**
Registered Email	**registrar@snu.edu.in**
Alternate Email	**ankit.tanwar@snu.edu.in**
Address	**NH-91, Tehsil Dadri, Dist. Gautam Buddha Nagar**
City/Town	**Gautam Buddha Nagar**
State/UT	**Uttar pradesh**
Pincode	**201314**

2. Institutional Status

University	**Private**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. Suneet Tuli**
Phone no/Alternate Phone no.	**01207170752**
Mobile no.	**9810925050**
Registered Email	**suneet.tuli@snu.edu.in**
Alternate Email	**naveen.babu@snu.edu.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://snu.edu.in/internal-quality-assurance-cell

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://snu.edu.in/sites/default/files/Academic-Calendar-Monsoon-2020.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.06**	**2019**	**25-Nov-2019**	**24-Nov-2024**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**23-Sep-2015**

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
Town hall Meeting by Pro	**14-Dec-2018**	**290**

Chancellor	1		
Orientation day for freshers	12-Jul-2018 18	450	
National Water Conference	27-Aug-2018 1	850	
British Council Future Leaders Connect - Heats event	07-Aug-2018 1	110	
Women Summit	09-Mar-2019 2	250	
Business Conclave	28-Oct-2018 1	350	
Celebrating Science by Prof Rupamanjari Ghosh	13-Jul-2018 1	450	
[View File]()			

8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
[View File]()				

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 :	**3**
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)

• Atal Incubation Centre started operation at SNU • SNU has also joined the 'Study in India' program launched by the Ministry of Human Resource Development (MHRD), Government of India. • Participated in the NIRF ranking exercise by MHRD • Achieved 7th rank in the MHRD Swachh Campus Rankings 2018, in University

(Residential) category. • "On Campus Jobs" and "OUR" programs for the students has been expanded.

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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
Need for FPDA fund for improving the research/publication for faculty	Approval of FPDA fund in final stages of approval.
Renewal of additional library resources for online journals and books	Additional funds are allotted for library resources. Subscription to online journals and research books are procured.
Application for the Institute of Eminence by MHRD	Application submitted successfully and Vice Chancellor made a presentation to the empowered selection committee
Addition of innovators for Atal Incubation Centre	Budding entrepreneurs and innovators are added in the current academic year
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Academic Council	28-Oct-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**Yes**
Date of Visit	29-Apr-2019
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	2020
Date of Submission	29-Jun-2020
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	The University has implemented several process management system software, which allow the University to use

	system applications in an integrated manner. These are used to manage the academic/nonacademic processes and also automate the backoffice functions related to various services like accounting / finance, human resources, administration etc. The primary source of all information at the University is the SNU ERP – PeopleSoft campus solution (by Oracle Corporation). It is used by several Leading Universities the world over, including in India and covers most of the student/academic processes. There are several other Inhouse applications or bolton modules which have been integrated with the SNU ERP and together they cover the entire life cycle of the student from student admission to student graduation (including Alumni relations). Key Academic processes covered through the Automated applications include: • Admission Process (cloudbased SaaS solution integrated with PreRegistration app and SNU ERP) • Admissions Dashboard for reports and MIS • Student enrolments, registration, and reregistration • Student financials and online fee payment • Timetable and Student Attendance management • Campus entry and exit system • Hostel Management System for selection and allocation • Course Management • Learning Management System (Blackboard LMS) for content sharing, tests, assignments etc. • Messaging and collaboration apps for students faculty • Course and faculty feedback/survey • Exam Results and reevaluation workflow • Grade Card and Transcript Issuance • Research grant repository workflow • Alumni Portal There are several other integrated modules developed and implemented by inhouse team for the other backend processes namely: • Campus scheduling system – employee leaves and offcampus duty • Travel request system • Expense and travel claim system • Cab request and booking system • Tally financial package for accounting • Document management and repository • Meeting room/facility booking • Appraisal system

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
MBA	EXEC-MBA	Management	19/01/2019
BTech	CED	Civil Engineering	19/01/2019
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
No Data Entered/Not Applicable !!!				
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BA	International Relations	01/07/2018

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Lean Six Sigma (32 hours)	17/03/2019	25
MS Excel Workshop (8 hours)	30/03/2019	22
Barclays Soft skill workshop (10 hours)	18/11/2018	90
Excel Modelling	16/12/2018	40
Foreign Language: Spanish	16/07/2018	49
Direct and Indirect Taxation	16/07/2018	46
Digital Maturity Assessment	14/05/2018	49
Advanced modelling using Excel	16/12/2018	49
New business opportunities in Indian industry	16/12/2018	49
No file uploaded.		

1.3.2 – Field Projects / Internships under taken during the year		
Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
No Data Entered/Not Applicable !!!		
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

Feedback is collected from students twice every semester. Midterm feedback aims to correct any issues while a course is still being taught. Feedback collected at the end of the semester is comprehensive and covers pedagogy, delivery, grading, and content. Other stakeholders consulted are faculty members, parents of students, alumni and employers. Feedback is circulated among departments and responses are submitted to Academic Council via the Board of Studies of the School. Based on the feedback from stakeholders the following steps were implemented during 2018-19: 1. The credit structures of the undergraduate programs of School of Management and Entrepreneurship, School of Humanities and Social Sciences, and School of Natural Sciences were revised and courses updated. 2. CCC302 Literature, Identity and Theatre course is one of the iconic courses running at SNU. Based on the feedback from teachers and alumni, the course was redesigned to reduce dependence on guest faculty and to run as a joint offering of the Departments of Arts and Performing Arts, English, and Communication. The redesigned course was first offered in the Spring 2019 semester. 3. The Committee appointed to look into quality and nature of CCC courses submitted its report in the 28th Academic Council meeting. After deliberation, the Academic Council recommended the formation of a new committee to finalize and implement the recommendations. 4. International collaborations were strengthened, with new exchange and collaboration agreements signed with Sapienza University of Rome, University of Warwick, and University of Queensland. 5. The Career Development Cell conducted several programmes on soft and technical skills: Lean Six Sigma, MS Excel Workshop, Barclays Soft Skills Workshop.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
No Data Entered/Not Applicable !!!				
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1648	360	101	12	100

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
213	213	4	95	2	3
[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)

The Student Mentoring and Advising System at Shiv Nadar University helps each student transit successfully from the school to the University environment and achieve his/her full academic and personal potential by providing efficient, effective and timely advice and support. OBJECTIVES To help students navigate their way into academic and intellectual life at the University To review the academic progress and assist students in preparing their strategies for academic success To help students gain an understanding of campus resources and explore career and life goals To help students understand various academic requirements related to different programs, majors, minors, University Wide Electives (UWEs), Core Common Curriculum (CCCs), Specialization tracks, pre-requisites etc. and in selecting appropriate courses to enable them to excel To inculcate a sense of belonging and responsibility among students To resolve student problems and difficulties PEER ADVISORS Peer advising by senior students is an integral part of the Universitys Advising program and along with the Dean, Undergraduate Studies and Dean, Students' Welfare offices is the first point of contact for new students. Peer advisors provide the perspective of a senior student and assist the freshmen class in making the transition from high school to university. These advisors share their own experiences and strategies for academic success and help incoming students comfortably settle down in a new, and challenging environment. Peer advisors are carefully chosen and trained by the Dean, UG Studies and Dean, SW and peer advising is periodically monitored and coordinated by these two offices. Peer advisors provide the following kinds of assistance to first-year students: Provide a student perspective on academic life in the University. Help facilitate conversations between mentees and faculty mentors. Help mentees become familiar with the Registration process, Academic Planning, and University resources. Provide information about opportunities and academic pursuits outside of the classroom. FACULTY MENTORS Each faculty member at the University is expected to mentor a few undergraduate students. The mentees are allotted to faculty mentors from across the departments at the university i.e. it may so happen that an English faculty member gets a mentee with Mechanical Engineering Major and vice-versa. However, as far as possible, a particular faculty member would get mentees from the same department, e.g. an English faculty member may always get mentees from the Mechanical Engineering department, so that the faculty member over time becomes well-acquainted with the departmental program requirements, course offerings, pre-requisites, specialization tracks, etc. The frequency of regular meetings are expected to be more during the first two years, say once a month, but can decrease in the 3rd and 4th year. A faculty mentor plays the following roles: Encourages mentees to explore available academic options at the University and advises students into projects, OUR, societies, etc. Helps identifying resources and support services that will help students to succeed academically. Meets mentees before pre-registration to discuss and finalize courses. Provides guidance on various academic matters such as change of major, selection of a minor, choosing electives etc.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio

2008	213	1:9

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
50	50	0	50	41

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
No Data Entered/Not Applicable !!!			
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
No Data Entered/Not Applicable !!!				
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
1	2008	0.05

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://snu.edu.in/academics/major-minor

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
No Data Entered/Not Applicable !!!					
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://docs.snu.edu.in/naac/Student_Satisfaction_Survey/

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
International	Sambudha Sen	Awarded the Institute of Advanced Studies fellowship, awarded twice a year to "world leading scholars" to conduct research at the University of Durham. Tenure October 1, 2018 to December 17 2018	01/10/2018	University of Durham, England
International	Vikram Kapur	Colgate Scholarship, Colgate Writers Conference, Colgate University, New York, June 16-22, 2019	16/06/2019	Colgate University, New York
International	Mansi Mishra	Indo-Australian Career Boosting Gold Fellowships (IACBGF) 2018, Department of Biotechnology – ongoing (November)	01/11/2018	Department of Science and Technology
National	Kshatresh Dubey	Ramalingaswami Fellowship- DBT	01/11/2018	Department of Biotechnology
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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
No Data Entered/Not Applicable !!!		
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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	Total grant	Amount received

	agency	sanctioned	during the year
No Data Entered/Not Applicable !!!			
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3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
No Data Entered/Not Applicable !!!		
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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
Traffic Optimisation using Aerial Images Captured by UAVs	**Suchit Jain, Rohit Agrawal, Raman Dutt, Nikitha DC, Abhishek Srivastava, Himanshu Sharma**	**Smart Indian Hackathon**	**01/03/2019**	**Student**
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Department of Chemistry	**6**
Department of Economics	**2**
Department of Electrical Engineering	**1**
Department of Life Sciences	**6**
Department of Mathematics	**1**
Department of Mechanical Engineering	**3**
Department of Physics	**1**

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

Type	Department	Number of Publication	Average Impact Factor (if any)
No Data Entered/Not Applicable !!!			
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication

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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Low-temperature solution-processed Zinc oxide: carbon composite materials and its analogs for applications in electronic devices	Published	201711040818	17/05/2019
single-step technique for developing bi-modal structures	Published	201711025562	25/01/2019
SS Bio-implant	Published	201711025604	25/01/2019

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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						

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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						

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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	70	63	0	0
Presented papers	70	63	0	0

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Dr. Jagabandhu Dixit, and Dr. Sailesh Behera,	Design of Data Centres in IT building	HCL IT City Lucknow Private Limited	1000000

Civil Engineering			
Dr. Jagabandhu Dixit, and Dr. Sailesh Behera, Civil Engineering	Quaility Audit for Civil MEP	HCL IT City Lucknow Private Limited	4000000
Dr Ghanshyam Pal	Computer Simulation and Analysis SNSG	KRN EDUCATION Private Limited	1200000
Dr Ghanshyam Pal	Computer Simulation and Analysis SNSN	KRN EDUCATION Private Limited	1200000
Dr Sumedha Moharana	Physical Chemical Characterization NDT SNSG	KRN EDUCATION Private Limited	700000
Dr Sumedha Moharana	Physical Chemical Characterization NDT SNSN	KRN EDUCATION Private Limited	700000
Dr. Jagabandhu Dixit	Multi-Hazard Assessement of Building Sec-3	SSN INVESTMENT (PONDI) Private Limited	1500000
Dr. Jagabandhu Dixit	Multi-Hazard Assessement of Building of Sec-24	VAMA SUNDARI INVESTMENT (PONDI) Pvt Ltd	1000000
SCHOOL OF EXTENDED EDUCATION AND PROFESSIONAL DEVELOPMENT	TSS Consultancy Project	HCL TSS	12802000
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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 and Entrepreneurship	MBA, MBA (Executive)	HCL and Tech Mahindra	27682813	72
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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
Eat Enjoy Educate	AURA	1	300
Muskaan	Feeding India	1	260
Chahek-Interactive teaching session on Campus	AURA	1	140
SARD-E-CHUSKI	Feeding India-SNU Chapter	1	70

Dadri school visits	AURA	1	150

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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
Smart India Hackathon: Hardware Category	1st Place	MHRD	12

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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Swacch Bharat Summer Internship Program	MHRD, Govt. of India	Swacch Bharat Summer Internship Program	1	9

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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			

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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					

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3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
University of California - Berkeley	10/07/2018	Student mobility To organize a joint program on higher education leadership development in	16

		India	
University of Queensland	26/09/2018	Joint research, student mobility,training	0
University of Warwick	28/11/2018	Student Exchange Program	2
Sapenzia University of Rome	27/07/2018	Joint research, student exchange between the Physics departments of the two universities,fa culty mobility,training	1

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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
513000000	513000000

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
KOHA	Fully	18.11.07.000	2011

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			

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	**1526**	**946**	**3**	**7**	**1**	**383**	**122**	**455**	**0**
Added	**213**	**65**	**0**	**2**	**1**	**141**	**0**	**650**	**0**
Total	**1739**	**1011**	**3**	**9**	**2**	**524**	**122**	**1105**	**0**

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

1105 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
Lecture capture facility	**https://docs.snu.edu.in/naac/2.3.2_ICT%20used%20by%20Faculty/?dir=3.%20Photos/ICT%20facilities**

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
103205044.1	**103205044.1**	**70498667**	**70498667**

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)

At Shiv Nadar University, teachers and students are encouraged to do interdisciplinary studies and research. Following are the procedures and policies for utilizing the academic and support facilities: laboratories auto open for students and researchers at the University based on the need/nature of work. dedicated research lapse in the research block is open to the researchers 24/7 to perform their research. The entry exit to the research labs are monitored with an access register/biometric entry. For access to academic laboratories, students are allowed based on prior approval from the concern faculty. Similarly access to the library is available to all these students and stuff till 12:00 AM on normal days and till 3:00 AM during examination days. All faculty and students are free to access any part of the library weather to

study, to listen to audio video visuals, engage in discussion among friends in dedicated rooms for discussion etc. Shiv Nadar University believes in Holistic development of all members of the University. Hence the sports facility established at the University is of international standards. The utilization and access to this facility to all members of the University are governed by internal access rules of the ports complex.

https://snu.edu.in/campus-life

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	Merit cum Scholarship	1962	293950950
Financial Support from Other Sources			
a) National	PMSSS- JK scholarship	1	200000
b)International	0	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
View File			

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
No Data Entered/Not Applicable !!!					
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed

No Data Entered/Not Applicable !!!
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					
View File					

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	1
CAT	2
GRE	18
TOFEL	10
Any Other	5
View File	

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

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
View File		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	1st Prize APAC Region, ASME Student Design Com petition	Internatio nal	0	1	1610110208	Manov Garde
2019	1st Place in Smart India Hackathon: Hardware Category	National	0	1	1610110007	Aditya Dubey
2019	1st Place, Smart India Hackathon: Software	National	0	1	1610110383	Suchit Jain

Category					

View File

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The Student Council comprises of four office bearers- The President, The Vice-President, The Cultural Secretary and the Sports Secretary, elected by the whole student body. The main objective of the Council is to communicate student convictions clearly and wilfully to the faculty, administrators and the Board. The Senate is the body of the Student representatives elected by the students of the University every year. The main objective of the senators is to represent the interest of the Students. The Senate is divided into different committees, each of which has its own responsibilities. All senators are allotted one committee. • Finance Committee: This committee serves as the principal financial body of the Council. • Academic Affairs Committee: This Committee is the principal body for debating and settling any academic issues or complaints. • Campus Affairs Committee: The Campus Affairs Committee is the principal body for debating and settling any issues or complaints in the interest of the University Campus. • Cultural Committee: The Cultural Committee is responsible for organizing all cultural events within the University campus. • Technical Committee: The Technical Committee is responsible for organizing all technical events within the University campus. • Sports Committee: The Sports Committee is responsible for organizing all events related to Sports in the University. • External Affairs Committee: The External Affairs Committee is responsible for maintaining contacts with external entities which includes organizations, institutions and committees. The Executive Cabinet consists of various Secretaries who shall be the Executive Head of their respective Committees along with the Secretary of Senate, and Secretary of IT. The primary role of the Secretaries is to take into account all the input provided by the students. • Secretary of Treasury: - The secretary of Treasury is the Principal advisor to the President and Student Council in all budget related matters. • Secretary for Academic Affairs: - The secretary of Academic Affairs acts as the executive authority on behalf of the Academic Affairs Committee of the Senate and is a keeper of all records and complaints that have been received under that domain. • Secretary for Campus Affairs: -The secretary of Campus Affairs, acts as the executive authority on behalf of the Campus Affairs Committee of the Senate, and shall be the keeper of all records and complaints that has been received under that domain. • Secretary for Technical Affairs: The secretary for Technical Affairs co-ordinates between the Students and the University administration in the organizing of any Technical Event on the University campus • Secretary for External Affairs: - The Secretary of external Affairs co-ordinates between the Students of the University, Students of other colleges and universities in the organizing of any External Event on the University campus. • Secretary of IT: The secretary of IT is responsible for maintaining a communication portal in all available media for the benefit of the student body and also maintain at all-times a functioning website. • Secretary of Senate: The Secretary of Senate is required to maintain all the records..

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

SNUs Alumni Association (AA) started in 2015 with close to 300 alumni passed out from 1st batch. SNU AA structure has a core council, which comprise of three positions- President, Treasurer and General Secretary. Besides, from each passing batch there are 2-dass representative elected. SNU AA is supported and guided by Alumni Relations team at University. The association has been in

existence for 4 years thereafter, working closely with the alumni body and the university to further the value of a good network. It focusses on various aspects to support the Alumni through job postings, networking events, meet-ups. Apart from Alumni development, the alumni take pride in giving back to the university by running a mentor-mentee program for senior students, having alumni talk series and working closely with University to provide industry feedback to the university. The association currently has 12 active core team members (President, Treasurer, Gen Secretary, Core members) and is supported by 5 chapter heads that drive various city chapters across the globe (US, Europe, Chennai, Bangalore, Hyderabad, Bombay-Pune, Delhi NCR, etc.). The association also engages with the student body through various social media platforms and keeps them in the loop. It has a dedicated Alma Connect, Instagram, Facebook, and city-specific WhatsApp channels to inform alumni and garner feedback. Every year each student from graduating class contributes Rs. 1000/- to AA funds.

5.4.2 – No. of registered Alumni:

557

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

481000

5.4.4 – Meetings/activities organized by Alumni Association :

The following activities were organized by Alumni Association during the year:
1. Alumni Talks Series ? Lokesh Kumar Reddy (B.Tech. CSE, 2015) how to crack top IT company ? Nitin Kumar (B.Tech. ECE, 2015) diverse role for B.Tech. ECE in emerson ? Ramandeep Malhotra (B.Tech Mechanical, 2015) setting up a Job shadow - My Journey from B.Tech mechanical to directing films. ? Vinay Kumar (B.Tech CSE, 2015) how to crack defense exams ? Meghna Joshi (B.Tech CSE, 2015) and Kirithigaa Kalaivanan (B.Tech ECE, 2015) delivered a talk on Life at SNU - Atmosphere of freedom and its healthy influences on tough mind. ? Bhavini M (B.Tech Civil, 2015), Aravind K Kumar (B.Tech Mechanical, 2016) and Aishwarya G Gagodia (B.Tech CSE, 2017) delivered a talk on Journey from carefree student to an enthusiastic professional 2. Alumni Chapter Meets - Bay Area Meet 3. Alumni Association Election ? Class Representative Election for class 2018 ? Alumni Association Elections for Core Council ? AA Fund Collection 4. Leadership Conclave - 13 alumni participated 5. Freshman Class Orientation - 11 Alumni Participated 6. Alumni meetups ? Kartik Arora (EEE,2015), Currently working with Milkbasket ? Shubhangini Aggarwal (MS Eco,2016), Currently working with American Express 7. Alumni Social media Engagements 8. Job opportunities offered to alumni 9. Alumni participation in University Events : Breeze, Business Conclave, TEDx, E-cell and Sports Event between Alumni Students Breeze 10. Alumni involvement in Campus Placement Preparedness Module 11. Administrative ? Accommodation, Letter of Recommendations, Transcripts, Job postings ? Alumni I card ? Department Meetings on Alumni Engagement

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)

At Shiv Nadar University the management believes in decentralization, inclusive participation and empowerment of all stakeholders. In academic structure, faculty members are given the responsibility in formulation of syllabus, preparation of Question papers, evaluation of various components of a course. Additionally, various policies related to academics are decided by the faculty. During the budget allocation exercise for the University, various stakeholders of academics and administrations are given the responsibility to decide on

their budgetary needs. Similarly, the students of the University are empowered by a student council, elected by student members. The members of student council are part of various academic meetings and committees. Students are given complete freedom to establish and run the clubs of their choices. At SNU, vice chancellor meets faculty , students and staffs in town Hall meeting twice every year. Town Hall meeting is a platform where free exchange of ideas and discussion takes place between the vice chancellor and the stakeholders of the University .

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
Research and Development	SNU is a research university, in that academic research in its broadest meaning, including basic and applied research, scholarly publications, and creative expression is the fundamental building block of the academic mission of the University. Strong emphasis on interdisciplinary research that cuts across academic programs, has allowed the University to break disciplinary silos and institutionalize a broad-based structure institutionalized through: Opportunities for Undergraduate Research (OUR) program, Faculty appointments, Interdisciplinary Research centres, Research Plans placed within the framework of National Priority Areas such as: Water Management / Ecology Agriculture (research), Energy, Health, Connectivity and Security, Incubation Centre and Patents.
Library, ICT and Physical Infrastructure / Instrumentation	1. RFID (Radio Frequency Identification): RFID implemented in SNU library to improve patrons' services, staff productivity and effective services. 2. Barcode: Barcode system has been implemented in SNU library to achieve accuracy and saving time of user community. 3. 24 X 7 study room facility: 247 study room facility helps the student community to spend long hours in well-equipped library to continue their academic and research activities effectively. 4. Print, Scan and Photocopying Services: The above services are being offered to the user community with the objective to support their academic and research activities. 5. Discussion Rooms and Video Conferencing Facilities: Discussion

	rooms with Video conferencing and multimedia connections for satisfying the academic and research needs of students as well as faculty. Cubicles with shelves have been equipped for researchers who are doing their serious research. 6. Digital Library: A modern digital library network with high-speed internet access is also housed in the premises. Reprographic facilities with printer provided for student community 7. SNU Library Homepage/Web Portal/OPAC: SNU library is computerized with KOHA- an International open source software package. User community can search and retrieve all the acquired books and subscribed journals and databases on a single platform. All the journals covered in all subscribed databases (approx. 37765 titles) are arranged in alphabetical order with appropriate web links to instant access their interested online journals and it can be accessible with the link http://library.snu.edu.in/. 8. SNU Institutional repository: An institutional repository is an online archive for collecting, preserving, and disseminating digital copies. DSpace is a platform that allows to capture items in any format – in text, video, audio, and data. SNU library created its own institutional repository to upload all the dissertation, thesis and publications of student and research community respectively. It can be accessible to everyone through university LAN without any user ID and password. 9. Online Public Access Catalogue (OPAC) The above facility is useful for the member to search their desired document through author/title/subject/keyword etc. to retrieve from the library. It saves the time of the user as well as library staff member.
Human Resource Management	Faculty Professional Development Assistance (FPDA): SNU introduced FPDA program for all faculty members for their professional development. In this program a development fund made available at their disposal to pursue relevant opportunities for their growth and development. Under this program, FPDA fund can be utilized for 1) Expenses for attending national and international conferences and

	Symposiums, Research Visit / Publication charges 2) Purchase of Software and database and 3) Purchase of books and Membership of professional Bodies Faculty Reward Program: Attracting and Retaining faculty members, SNU came up with a reward program for faculty members with the name of Performance Linked Association Reward (PLAR) program. In this program, based on the performance and tenure of the faculty members, reward amount is paid them. Online Appraisal and Review Process: An online platform was designed to evaluate faculty and staff performance which resulted in faster and hassle free Annual Performance Review System.
Industry Interaction / Collaboration	Shiv Nadar University believes that the best way to lay a strong foundation for a stable career is to be informed prepared. Industry alliances can guide an institution to very extent in order to equip themselves with the adequate, updated relevant information for developing the required excellence among the students as per the changing industry demands through various types of engagements. The purpose of Industry -academia collaboration is to make the future work force acquainted with the dynamics of the work environment in advance create win-win situation for both the entities. SNU collaborated with organizations excelling in various spaces of work to develop the synergy in terms of setting up center of excellence, industry oriented courses delivered by the experts, guest lectures, faculty development program, students visiting RD facilities allocation of research projects to students. There has been continuous industry interaction throughout the year for the students through the various mentioned modes in order to provide the technical insights, industry preparedness, hands on experience with respect to core industry working.
Examination and Evaluation	Examination scheduling was improved. Distribution of two examinations in a day were rationalized, which has minimized the number of two examinations in a day for students. The new schedule has also tried to distribute the courses in the two slots

	of the examinations in a day equally so as to optimize the use of resources. The courses with large number of students are scheduled first to enable the evaluator to finish the evaluation on time, which helps in timely declaration of the results.
Admission of Students	Shiv Nadar University is a multidisciplinary university. It has a robust testing criteria for a quality intake. The criteria is divided into 3 parts: • Class 12th Percentage (Minimum Eligibility 70 - Normalised board wise) • The eligibility is followed by a SNUSAT test – SNUSAT is a test of basic verbal and analytical ability. . It is 2 hour test • APT – APT is the test of subject knowledge, it is different for different programs. It is 1 hour test Based on these 3 parameters a merit list is prepared and the students are shortlisted. The objective of 2018 admissions was to have a high cut off and have diversity The following was achieved • PCM percentage Increased • The overall cut off improved • Increase in diversity through various states like Karnataka, Uttarakhand, Gujarat, Orissa, Chandigarh
Curriculum Development	The architecture of the University's curricula consists of a common core (CCC), University work elective (UWE), major elective, values ethics leadership (VELS) and international context (IC) of undergraduate courses, and a flexibility to allow students to choose multiple electives for enhanced breadth of learning and engagement, together with acquiring depth in a Major subject. The CCC courses provide the students a broad-based understanding of the world, its physical, biological and social systems, and the development of human civilization and culture. Students can also take up minor courses of any specialization in the University leading to inter intra disciplinary studies.
Teaching and Learning	The University incorporates experiential learning in the curriculum by giving credit for activities such as research projects design projects practicums cooperative education service learning programs internships cultural immersion programs, volunteering service, within and

outside of the University setting. At least 20 of the courses have to explicitly cover the category of Research Experiential and Applied Learning (REAL) for any undergraduate degree program at the University. There are prescribed laboratory components in a large number of courses in Science and Engineering for hands-on training of the students in state-of-the-art laboratories.

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

E-governace area	Details
Planning and Development	In house tool for MIS under development for senior Leadership - consolidated reports and data pertaining to students, alumni, employees covering Grades, Attendance, Enrolment, Performance, Utilization, Credit Hours etc.
Administration	• OTRS Service Desk Tool for logging, tracking and execution of all Maintenance Requests • HMS - in house application for management of Hostel Rooms/facilitates • Cab Approval System application – Workflow based application for request, approval, booking and tracking of Cab Requests by employees and guests. • Travel Approval System – Workflow based application tracking of Travel Requests by employees. • Expense Claim System – Workflow based application settlement of Travel Claims/expenses.
Finance and Accounts	• Tally Solutions Pvt.Ltd. Provided Tally Accounting software used for Finance Accounts Purpose • PeopleSoft Campus Solution (of Oracle) is used for recording Student Fees • Online IT Asset Management application is used to track all IT Assets
Student Admission and Support	• Admission Process - NPF SaaS (Cloud based) application • PeopleSoft Campus Solution (Oracle) - for Student Records, Personal Information, Timetable, Course Enrolment, Academic Records including Grade information, etc. • PHP based inhouse application used for Student Registration, Course/Faculty Feedback, Fee Payment, Attendance Recording
Examination	• PHP based inhouse application used for Grade Moderation for examination conducted by SNU • Blackboard LMS for assignments, quizzes and tests •

	PeopleSoft Campus Solution (Oracle) - for recording Finalised Grades, Student request for revaluation and Faculty/Director approval workflow (approval/rejection of request through workflow)

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
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6.3.2 – Number of professional development / administrative training programmes organized by the University for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
No Data Entered/Not Applicable !!!						
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
28	22	36	11

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
SNU is deeply committed to the well-being and welfare of its faculty, staff members and their families. We believe that good health and a well-adjusted work-life balance are essential for	• Annual Health Check-up • Dental Coverage • Marriage Gift • New Born Child Gift • Maternity Benefit • Access to: - Indoor Sports Complex Facilities - Aerobics, Athletics, Badminton,	NA

productive living. Towards the same, SNU has provisioned for a bouquet of offerings to its members and/or their families to inculcate a healthy work-life balance principle. Some of the current offerings are as stated below: • Annual Health Check-up • Dental Coverage • Marriage Gift • New Born Child Gift • Maternity Benefit • Access to: - Indoor Sports Complex Facilities - Aerobics, Athletics, Badminton, Basketball, Chess, Gym, Squash, Table Tennis, Yoga Zumba - Outdoor Games - Tennis, Volleyball, Football Cricket - Clubs – Chess Club Runners' Club - Cross Country • 247 Health Centre – operated by Blue Circle Medi Services • On-campus Crèche, HDFC Bank, ATMs, Post Office, Unisex Saloon, Minimart For Members staying in Campus Housing: Apart from the above listed facilities, the Members and their families also have / will have access to: • Exclusive sports training facilities for children of members staying at Campus Housing • Library facility • Separate Children Play Area for under 6 and 6 years • Open Gym for Adults • Shuttle services to Noida, Greater Noida Dadri • Grocery Shop for all basic needs • Dedicated Unit for Birthday / Festival celebrations / Gathering • Weekend Movie sessions • Transportation facility for School Children • Laundry facility • Food delivery facility • Wi-Fi and intercom facility •

Basketball, Chess, Gym, Squash, Table Tennis, Yoga Zumba - Outdoor Games - Tennis, Volleyball, Football Cricket - Clubs – Chess Club Runners' Club - Cross Country • 247 Health Centre – operated by Blue Circle Medi Services • On-campus Crèche, HDFC Bank, ATMs, Post Office, Unisex Saloon, Minimart For Members staying in Campus Housing: Apart from the above listed facilities, the Members and their families also have / will have access to: • Exclusive sports training facilities for children of members staying at Campus Housing • Library facility • Separate Children Play Area for under 6 and 6 years • Open Gym for Adults • Shuttle services to Noida, Greater Noida Dadri • Grocery Shop for all basic needs • Dedicated Unit for Birthday / Festival celebrations / Gathering • Weekend Movie sessions • Transportation facility for School Children • Laundry facility • Food delivery facility • Wi-Fi and intercom facility • Security CCTV facility

Security CCTV facility		

6.4 – Financial Management and Resource Mobilization

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

Yes, the University has a mechanism for internal and external audit. The University has a full-Fledged Finance Function since inception (i.e. 2011 onward) to ensure maintenance of annual accounts and balance sheet of the University and audit thereof. The University has a separate internal audit department manned by qualified chartered accountants and experienced audit personnel. The internal audit team audit the financials of SNU on quarterly basis and submit report thereof to the management and trustee. The finance team replies to the queries of the internal audit report and do adhere the recommendations made by the internal audit department and regularly follow-up with the open items, if any. The University has appointed external auditors from BIG 4 auditor companies to conduct Statutory Audit yearly. Now we have appointed KPMG to conduct statutory audit. And we have also appointed KPMG to conduct GST audit quarterly

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
Shiv Nadar Foundation	1510352828	Meeting Operating Expenses

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6.4.3 – Total corpus fund generated

194411000

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	KPMG/SNF	Yes	IQAC sub-committee
Administrative	Yes	KPMG/SNF	Yes	IQAC sub-committee

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)

1. Portal for Parents has been created. 2. Interaction between Parents and Faculty in the annual convocation. 3. Faculty and parents are encouraged to meet and discuss anytime during the academic sessions.

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

1. Activity on software skill updations 2. Skill development on lab handling in the department of Electrical Engineering 3. Support of travel grants for library staff for attending workshops

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

1. FPDA fund has been approved for each faculty to an amount of Rs 3 lakhs for the first three years. 2. Coursera based courses are subscribed throughout the University and recognized as part of the curricula. 3. Restructuring of the Student and faculty affairs has been done.

6.5.6 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	No

6.5.7 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Town hall Meeting by Pro Chancellor	14/12/2018	14/12/2018	14/12/2018	290
2018	Orientation day for freshers	12/07/2018	12/07/2018	29/07/2018	450
2018	National Water Conference	27/08/2018	27/08/2018	27/08/2018	850
2018	British Council Future Leaders Connect - Heats event	07/08/2018	07/08/2018	07/08/2018	110
2018	Business Conclave	28/10/2018	28/10/2018	28/10/2018	350
2018	Celebrating Science by Prof Rupamanjari Ghosh	13/07/2018	13/07/2018	13/07/2018	450
2019	Women Summit	09/03/2019	09/03/2019	10/03/2019	250
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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
Sexuality Sensitisation Workshops	15/11/2019	15/11/2019	62	44

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
1. Installation of roof top solar heater in hostels, DH-1, ISC, villas and towers. 2. Installation of roof top solar power panels at ISC, BS and UB-2. 3. Recyling of treated water through STP for hoticulture and recharging of natural lake and gorund water. 4. Phasing out of RO for water purifier to prevent water wastage. 5. Optimum usage of organic compost machine to generate organic manure and prevention of land fill. 6. Total power from alternate source used by campus is around 2 of annual requirement.

7.1.3 – Differently abled (Divyangjan) friendliness

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

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
No Data Entered/Not Applicable !!!							
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Student handbook	11/07/2018	Student handbook is very useful for the students of freshman batch, as it guides them with the culture of the University and available facilities in the one document. Handbook includes code of conduct, academic conduct, policies, campus life etc.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence Day	15/08/2018	15/08/2018	300

Celebration			
Republic Day Celebration	26/01/2019	26/01/2019	350
Pongal/sakranti- Traditional dish selling event	15/01/2019	15/01/2019	70
Kite Flying (Independence Day)	15/08/2018	15/08/2018	150
Yogathon (National Sports Day)	29/08/2018	29/08/2018	200
5th International Day of Yoga	21/06/2019	21/06/2019	90
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Installation of roof top solar heater in hostels, DH-1, ISC, villas and towers

2. Installation of roof top solar power panels at ISC, BS and UB-2.

3. Recycling of treated water through STP for horticulture and recharging of natural lake and ground water.

4. Phasing out of RO for water purifier to prevent water wastage.

5. Optimum usage of organic compost machine to generate organic manure and prevention of land fill.

6. Installation of Solar operated pumps for biodiversity park.

7. Stoppage of non productive exploitation of DG sets to prevent air pollution/ reduced carbon foot print.

8. Statutory compliant for Air and water pollution as per UPPCL.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice – I 1. Title of the Practice Opportunities for Undergraduate Research (OUR) Program 2. Objectives of the Practice The larger aim of Opportunities for Undergraduate Research Program is to identify the advanced learners among the undergraduate students, train them to become the next generation of researchers and faculty members and to guide India to become global research and innovation hub. The program is designed to: • Expand opportunities for an active form of learning by students • Encourage the interaction of undergraduate students with faculty • Expand the level of research activity on the campus • Help identify and train potential candidates for our graduate programs Students participating in the OUR program do not earn any credit for their degrees. They should experience: • A foundational understanding of how research is conducted in their disciplines • A greater understanding of the information resources available and how to utilize these resources 3. The Context a. SNU has been established as a multidisciplinary research university, which fosters research and innovation at all levels including in its undergraduate students. b. Indian higher educational institutions have a faculty shortage of about 35-40 by various estimates from UGC and MHRD. To prepare the next generation of qualified and quality researchers therefore is a national priority. c. At SNU, there is a University wide requirement that all undergraduates take at least 18 credits from courses that deal with Research, Experiential and Applied Learning (REAL). d. In each

discipline in Engineering, Natural Sciences, Management and Humanities and Social Sciences, each student is required to undertake two semesters (one year) of undergraduate research, which is over and above the course work undertaken. 4. The Practice OUR (Opportunities for Undergraduate Research) program enables undergraduate students undertake research projects with the faculty members outside the regular curriculum. These projects can be undertaken with any faculty member across the university and therefore opens up numerous possibilities for interdisciplinary work. In one of the projects, an electrical engineering student systemically studies and found geometric similarities in various classical dance forms in India under the supervision of a professor from performing arts department and presented this work at an international conference in the USA. Some of the key-features of the program are: i) Participating students are required to submit a Statement of Qualification Individual research projects by UG students under the personal guidance by a faculty member are encouraged and group projects by students are usually discouraged under this scheme. ii) Budgetary Support Such undergraduate research uses existing equipment and software -- no capital equipment or software are to be purchased under this program. Consumables may be allowed against proper justification, but only up to a limit of INR 30,000 per project. iii) Final Report and Reflections Each selected project must provide a Final Report (in the style of a journal manuscript, when appropriate) and Reflections Final Reports Reflections must be submitted by the student participant to the faculty sponsor. Faculty sponsors must submit approved final reports and reflections before the end of the academic year. iv) Undergraduate Research Conference All OUR project participants present their results in an Undergraduate Research Conference held every year at the university campus during April/May. Three awards are presented to the top OUR projects: First Prize of INR 10,000, Second Prize of INR 7,500, and Third Prize of INR 5,000. Three categories of Certificates of Appreciation are also issued to deserving student participants. v) Rewarding Channel of entry to Master's-PhD program The University has a specially rewarding channel of entry in the graduate (Masters-Ph.D.) program for exceptional OUR students. 5. Evidence of Success Some key successes of the program are: 1. About 400 projects have been supported by the university thus far with a budgetary outlay of Approx. INR 1.0 Crore. 2. About 300 projects have been completed thus far and another 130 active projects are going on. 3. The scheme has resulted into many research papers authored by undergraduate students published in refereed journals as well as in national and international conferences of repute. 6. Problems Encountered and Resources Required NA Best Practice – II 1. Title of the Practice Flexibility for Relevance in a Rigorous Undergraduate Curriculum 2. Objectives of the Practice Shiv Nadar University has developed a unique multidisciplinary curriculum at the undergraduate level to provide students with an unprecedented, well-rounded education by synthesizing broad and strong multidisciplinary foundation with a solid training in their selected discipline. The objective of such a curriculum is to foster students ability to integrate critical thinking, interpretive skills, scientific exploration and normative principles into their world-view and to prepare them for leading careers in a complex, changing, and unpredictable world that is continuously disrupted by the technological innovations. An engineer, for example, cannot be a successful problem-solver with just technological knowledge if s/he is not capable of understanding the context of the problem. Hence disciplinary education in silos has been replaced by an effective well-rounded education. The curriculum is designed to be highly flexible so that every student could progress through the program at his/her own pace, charting out his/her own academic path and pace. Such flexibility was also designed to allow change of major during the course of their originally chosen program as per their interests and abilities thus providing an option of mid-trajectory correction for their career paths. 3. The Context SNU was one of the first universities in India to identify the need for adopting a learner-

centric approach that inculcates disciplinary depth as well as multidisciplinary, contextual breadth among the students, and prepares them to compete with the global talent pool. This flexibility allowed the university to integrate interesting inter-, and intra-disciplinary and value-added, skill-based courses in its curriculum. 4. The Practice The undergraduate curriculum at SNU ensures that all students have a strong training in their selected Major, and at the same time have a broad understanding of the historical and contemporary issues that have shaped India and our world. Therefore, all students, whether they're studying Engineering, Arts or Sciences, must complete SNU's Core Common Curriculum designed to ensure that students have a breadth of learning, historical context and understanding of contemporary developments that are necessary to succeed in the 21st century. Students must take at least 18 credits in the Core Common Curriculum. Core Common Curriculum (CCC) All undergraduate students must take a core group of common subjects. The CCC is designed to provide students an understanding of the forces that are driving local, national, and global change and to give them an awareness of the problems facing an increasingly integrated world. All students at the University must take at least 18 CCC credits with a minimum of 3 credits from any six of the 8 Topic Areas within the CCC. The 8 Topic Areas in the CCC are: 1. Indian History and Society 2. World History and Society 3. Culture and Communication 4. Physical and Biological Systems 5. Cognition and Intelligence 6. Technology and Society 7. Environment and Ecology 8. Critical Reasoning and Analysis University Wide Electives (UWE) All undergraduate students at SNU have the flexibility to choose multiple university-wide electives, providing them the opportunity to discover their academic passion and enhancing their engagement in the learning process through the individualization of their programs of study. Students must take a minimum of 18 UWE credits to fulfill their degree requirements, which may also be combined to fulfill the requirements of a Minor. 5. Evidence of Success • The university is offering about 20 Minor programs at present ranging from Engineering, Natural Sciences, Humanities and Social Sciences, to Design, Art and Performing Arts, Communication etc. • Certain Major-Minor combinations have proven to be a unique distinguisher for students to secure a job or to get admission for higher studies abroad in few of the world's best institutions. The percentage of students going to top institutions for graduate studies is higher for those with a Minor. • Every undergraduate student at SNU is required to earn 42 credits under CCCs and UWEs such that a minimum of 18 credits are required in each one of them individually. • About 200 unique Core Common Curriculum courses have been designed and offered by the faculty members at SNU and have seen a cumulative enrollment of more than 31,000. 6. Problems Encountered and Resources Required • Time tabling at times is challenging as the same course is a major for one student and can be university-wide elective for students from other departments.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://snu.edu.in/research/undergraduate/our-program

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

Creation of a Research and Innovation Ecosystem, Involving both Undergraduate and Graduate Levels of Studies SNU is a research focused and innovation driven University, in that academic research in its broadest meaning, including basic and applied research, scholarly publications and creative expression, is the fundamental building block of the academic mission of the University. All faculty at SNU are appointed, evaluated and promoted based on the contribution

to research activity and all students, regardless of the discipline they're studying and regardless of whether they are undergraduate, post-graduate or doctoral students, are required to participate in research, scholarship or activity that produces new knowledge or creative works. The University is characterized by its strong emphasis on interdisciplinary research, which actively engages faculty and students in addressing the most pressing problems faced by the world. Several research centers are engaged in such interdisciplinary work. Some of the key parameters highlighting the institutional focus on research and innovation: • of Full Time Faculty with PhD or Post-Doctoral experience: About 90 • Total no. of research papers published by SNU faculty members >5000 • Research output with SNU affiliation ~ 900 (Scopus) • Amount invested in creation of conducive research infrastructure: Approx. Rs. 30 Crores • No. of Full Time PhD students enrolled: About 200 • Stipend paid to SNU PhD students by the Shiv Nadar Foundation is highest in India • More than 400 students have participated in Opportunities for Undergraduate Research (OUR) program and many of them have resulted into research papers by UG students • Extramural research funding: About Rs. 30 Crores • Externally sponsored projects: About 70 at present • SNU is registered with Department of Scientific and Industrial Research (DSIR)– An acknowledgement of the fact that the university is a research institution Awards and Recognitions for research and innovation • NIRF Rankings 2018 – the University is the youngest to feature in the 'top 50' amongst all the Indian universities • The University's scholarly activities and their impact in the immediate neighbourhood and/or in the country and/or in the world reveal some peaks of excellence already, which have caught the attention of the media. For example: o A Chemistry faculty, Dr. Gouriprasanna Roy has designed and synthesized a compound that can reverse toxic mercury poisoning. o A multidisciplinary (Mechanical Engineering and Life Sciences) team of researchers at the University has filed a patent on "An Apparatus and a Method for Processing Stainless Steel and an Improved Stainless Steel for Bioimplants Thereof", which is likely to have a huge impact. • All the Departments in the School of Natural Sciences – Mathematics, Chemistry, Life Sciences and Physics -- have now earned the prestigious DST-FIST (Fund for Improvement of ST Infrastructure) grant. • The University has been selected for hosting an 'Atal Incubation Centre' as part of the 'Atal Innovation Mission' of Niti Aayog and Shiv Nadar University has been sanctioned a grant of INR 8.8 crores.

Provide the weblink of the institution
https://snu.edu.in/research

8.Future Plans of Actions for Next Academic Year

To attract more qualified faculty members, -To attract more international students and faculty, to add new areas of research, to explore areas of research in IoT, Machine Learning, Space Research, Data Analytics etc. Augmentation of courses through online platform, to conduct webinars in various fields of study that includes Sciences , Engineering, Sociology , International Affairs etc., to explore virtual labs for undergraduate students.