



# **SELF STUDY REPORT**

**FOR**

**1<sup>st</sup> CYCLE OF ACCREDITATION**

**SRM UNIVERSITY, HARYANA**

**NO. 39, RAJIV GANDHI EDUCATION CITY, DELHI-NCR, SONEPAT  
131029**

**[www.srmuniversity.ac.in](http://www.srmuniversity.ac.in)**

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**BANGALORE**

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# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

SRM University Delhi-NCR Haryana (SRMUH) carries forward the legacy of SRM Group of Institutions. SRM's initiative towards the cause of quality education began in 1969 with the establishment of a primary school and today after five decades of its existence it has 22 institutions and 4 Universities. SRMUH was established as a State Private University under the Haryana Private Universities Act, 2006 (as amended by Haryana Act No. 8 of 2013), in furtherance of the objective of the SRM group to reach out to a greater number of stakeholders in Northern India. The University aims to emerge as a leading world-class educational institution that disseminates knowledge upholding the highest standards of instruction in all fields of study. Along with academic excellence and skills, the University curriculum is developed in a manner to impart experiential learning & life-skills, and, ensures that learners are exposed to various activities, which instill in them social sensitivity, compassion, patriotism, moral, and ethical integrity. Accordingly, when the learners graduate, they emerge as citizens who are best suited to serve society and also undertake various leadership duties.

It is a multidisciplinary University with all the privileges and pride to exist and expand as a world-class educational institution. SRMUH is developed in sylvan surroundings amidst lush green fields. The University campus is spread over 47.38 acres of land and has a well-designed architectural layout. Students from over twenty-five different States and UTs of India and also various parts of the world study here. At present, the University is offering sixty-eight programmes. The campus is well-equipped with a state-of-the-art infrastructure, laboratories, sports, transport, healthcare, and other educational & recreational facilities. Hostel facility is provided inside the University campus for students (Boys and Girls) as well as staff.

The hostels with the state-of-the-art infrastructure provide an ambience of home away from home. The hostels are spacious, centrally air-conditioned, and well-furnished with attached bathrooms. The hostels are supported by spacious mess where staff and students dine together and it also has recreational amenities like a gymnasium, indoor sports, and cafés. Painted in white and yellow colours, twenty-two buses, which are fully air-conditioned, ply on the designated routes covering NCR area and adjoining cities covering parts of Sonapat, Delhi, Ghaziabad, Panipat, Karnal, Baraut, Baghpath, Gohana and Rohtak.

SRMUH is recognized under section 2 (f) of the UGC Act, 1956. It has the approval of all Regulatory Bodies, such as, Bar Council of India (BCI), National Council for Hotel Management and Catering Technology (NCHMCT). It is recognized by Department of Scientific and Industrial Research (DSIR) as Scientific and Industrial Research Organisation (SIRO). The University is approved by the Department of Science and Technology (DST), Govt. of India to conduct 'INSPIRE'- Internship Science Camp and Regional Innovation Science Hubs for Innovators (RISHI) programme and has a membership of Association of Indian Universities (AIU) and the Association of Commonwealth Universities (ACU). SRMUH is the first Indian University powered by National Association of Software and Services Companies (NASSCOM) Future Skill. It was ranked first for excellence in IT Enabled Learning by Education World India Higher Education Rankings 2021-22. It is also the first University to have academic affiliate with Institution of Engineering and Technology (IET), Haryana. SRMUH is also the first University to be recognised by Special Olympics Bharat to impart training to intellectually challenged.

## Vision

SRM University Delhi-NCR, Sonapat, Haryana aims to emerge as a leading world-class University that creates and disseminates knowledge upholding the highest standards of instructions in Medicine & Health Sciences, Engineering & Technology, Management, Law, Science and Humanities. Along with academic excellence and skills, our curriculum imparts integrity and social sensitivity to mould our graduates who may be best suited to serve the nation and the world.

## Mission

- To create a diverse community campus that inspires freedom and innovation.
- To promote excellence in educational and skill development processes.
- To continue to build productive international alliances.
- To explore optimal development opportunities available to students and faculty.
- To cultivate an exciting and rigorous research environment.

## 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

### Institutional Strength

- Strong legacy and prominent national presence
- Modern infrastructure for teaching, learning and research
- Eco-friendly, gender and disability sensitive campus
- Experiential learning with an emphasis on industry-academia collaboration
- Active national/international collaborations/MoUs for quality research and academic outcome
- Institution has Interdisciplinary and industry-relevant programmes including Cloud Computing, Artificial Intelligence, Robotics, Mechatronics, Big data analytics, Internet of things, Cyber security and Business Analytics, etc.
- Environmental initiatives like use of renewable energy, rainwater harvesting, no smoking zone, waste management system.
- Strong community engagement.
- Health and welfare promoting University.

### Institutional Weakness

- Remoteness of location and non-availability of public transport system like the metro service has led to the non-attainment of optimal strength of students
- International students in few programmes
- Few international visiting faculty

### Institutional Opportunity

- Further strengthening Alumni Connect
- More National and International Collaborations for research and exchange programs

- Utilization of SWAYAM portal for MOOCs
- Supporting Skill India, Make in India, Start-up India mission
- Introduction of more employable UG/PG programmes

### **Institutional Challenge**

- Keeping pace with global developments in higher education and research
- Fast changing technology and pedagogical innovations
- Making campus fully residential
- Have more funded projects, consultancies and generation of revenue
- Making students pursue more courses through SWAYAM or other MOOCs platforms

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

The curriculum for each program is designed with care keeping in mind the recent trends, demands and expectations of the industry. The ideals of NEP 2020, UGC, NITI Aayog, Skill India, Make in India, Digital India are reflected in the course curriculum. The process of developing the curriculum and the course content essentially takes into consideration the feedback of different stakeholders. The Board of Studies (BoS) meetings are important element of curriculum design and development where the Program Educational Objectives (PEOs), Program Learning Outcomes (PLOs) and Course Learning Outcomes (CLOs) are discussed and assessed, so that the curriculum can resonate the academic trends, market and industry requirements.

The primary objective of the curriculum is to make students responsible citizens who are capable of identifying, formulating and solving real time challenges and socio-economic problems. Each course content includes subjects such as, Human Values and Ethics, Professional Ethics, Soft Skills, Gender Sensitivity, Environmental Engineering, Pollution Control and Waste Management, Indian Constitution and Polity and others which inculcate a thorough understanding and appreciation of society, culture, human behaviour, and nature.

The emphasis on gaining hands-on experience through field/live projects/research project and internships are important aspects of the curriculum and thus, prepares the learners for their professional journey. Online structured feedback from stakeholders in a prescribed format is taken and analysed at Department as well as University level Internal Quality Assurance Cell (IQAC). Accordingly, the syllabus of courses is designed, reviewed and the approval of the competent authorities is taken.

### **Teaching-learning and Evaluation**

The students from diverse socio-economic-cultural backgrounds, are admitted through transparent process, i.e., SRMHCAAT (SRM Haryana Common Admission Test) at all India level. The students from reserved categories are admitted as per reservation policy under the Haryana Private Universities Act. The University identifies the slow learners (aspirants) and advanced learners (performers) through continuous internal assessments, end semester examination, class committee meetings and class observations by the subject teachers.

Experiential Learning, Participative Learning and Problem Solving Methodologies are used for teaching-

learning process. For effective teaching and learning process, ICT-enabled tools, including Learning Management Systems (LMS) are used by the teachers. The students are supported through a well-designed mentor-mentee system. The University appoints qualified teachers in full strength to the sanctioned posts.

The University has well organized computerized examination system that governs assessment and evaluation in transparent manner through ERP. The results are declared timely and there is an effective system to address anomalies and grievances. The examination system uses Outcome Based Education (OBE) framework for assessment and evaluation process.

The programs have well-defined learning objectives and outcomes, which are integrated into the assessment process and are available on the University website for reference. To ensure the attainment of learning outcomes (LOs), systematic procedures have been formulated for assessing the learning attainments. The Bloom's taxonomy for assessment is applied by including Lower Order Thinking Skill (LOTS) and Higher Order Thinking Skills (HOTS) in different forms. The University has a student feedback system which is analysed for indirect attainment process.

### **Research, Innovations and Extension**

SRMUH is committed to pursue excellence in research and innovation. It promotes a '*research culture*' on campus through its Research & Development (R&D) Policy. The Research Advisory Council (RAC) reviews the R&D projects and helps to garner support from Industry towards interdisciplinary work. Industry-Academia Advisory Board (IAAB) creates an ecosystem for innovation through the Centre for Innovation, Incubation and Entrepreneurship (CIIE), which provides a platform for nurturing, encouraging and developing innovation and entrepreneurial skills among stakeholders. The University has established SRM-Siemens Centre of Excellence (SSCoE), Centre for Drug Design, Discovery and Development (C4D), and Bosch Centre for collaborative research. The University has modern and well-equipped laboratories, moot court, green house, library with research statistical databases. The provision of seed money for research is extended to the faculty members for working on research proposals, developing prototype, publishing papers, patents, and applying for funding. A number of Departments have received grants for research from DSIR, DST, SERB, DBT, ICSSR, and ICMR. Faculty members are incentivised and awarded to undertake more quality research, projects, MDPs and consultancies leading to publication of research papers and patents. SRMUH undertakes several extension activities like NCC, NSS, and Legal Aid camps for sensitizing its students towards socio-economic and environmental issues and inculcating values and commitment to society. University organises workshops, seminars, guest lectures, conferences, faculty enrichment programs in the areas of research methodology, IPR, skill development, entrepreneurship, etc. to support research and collaborations. The institution has many functional MoUs with national and international institutions.

### **Infrastructure and Learning Resources**

Infrastructure at SRMUH reflects present and future requirements of the teaching and learning process. The Institution has sufficient infrastructure to support different programs, curricular and co-curricular activities. The classrooms, lecture halls, laboratories, library, and other infrastructure are built as per norms laid down by statutory bodies. The institution has 68 fully air-conditioned smart classrooms, well-equipped laboratories with the latest software such as, MATLAB, CAD, CATIA, and VLSI, 46 dry and 16 wet labs. The University has a language lab, moot court, a dedicated kitchen-restaurant for hotel management, 3 seminar halls, auditorium, and a wi-fi equipped campus for ensuring seamlessness in teaching-learning process, experimentation, and

innovation.

There are two digitalised libraries on the campus, i.e., the Central Library and the Law Library with a wide collection of books, journals, e-databases, e-books, e-journals, and other learning resources. The automated Library provides open and free access through the Library Management System Software (LIBSYS) and also devices like JAWs talking screen reader, Type Ability Talking PC Keyboard, and others for partially and totally blind. The institution provides an annual budget for the library.

The University provides both indoor and outdoor sports facilities such as Basketball, Badminton, Chess, Cricket, Carom, Netball, Table Tennis, Volleyball, Yoga, and Gymnasium for students and staff to explore and excel in extracurricular activities. SRMUH also provides air-conditioned hostel facilities for students and staff, 24x7 medical aid and ambulance service, OPD at PRIMSR Hospital, ATM, and cafeterias. The campus infrastructure is maintained by in-house staff and through outsourcing.

### **Student Support and Progression**

Students are at the core of SRMUH's vision, reflected through its all-round support to them. It offers a number of scholarships and free-ships based on Haryana Domicile, PG Merit, COVID, CLAT Score, Defence Personnel, Alumni, Sports Scholarship, and Chancellor's Scholarship. The University has a Training & Placement Department, which helps the students in securing their internships and placement. Students are counseled and trained for various competitive examinations (NET/JRF/GATE/SLET/CAT/TOEFL/Civil Services/Judiciary), personality, and skill development. Students play an active role in decision-making by participating in various clubs (dance, drama, music, literary society, electoral literacy club, etc.) and administrative/statutory committees (disciplinary, anti-ragging, etc.). It enables the students to develop leadership and management skills. The class representatives and student conveners for various clubs and societies are nominated at the Department, Faculty, and the University level. This is coordinated by the office of the Dean Students' Welfare. University periodically organises sports and cultural events, e.g., PRISMA and *Samavesh*. An orientation program (*Aagaaz*) for the freshers is also organized. The students are active members of the Anti-Ragging Committee, Disciplinary Committee, Mess Committee, Internal Committee, etc. wherein they play a decisive role. Learning and development of students is promoted through various outreach programs like internships, study tours, field/ live projects, sports, NCC, NSS, yoga and other capacity development and skill enhancement activities, such as, soft skills, language and communication, etc. SRMUH has an active Alumni Association which acts as a bridge between the University and its alumni. Alumni significantly support students in their academic and non-academic performance.

### **Governance, Leadership and Management**

SRMUH has fostered a system of participatory management, decentralised, inclusive and effective governance. The various statutory bodies such as the Board of Studies, Academic Council, Board of Management, and the non-statutory bodies work together to achieve the vision and mission of the University. These bodies, comprising of faculty, students, and other internal and external stakeholders, drive the University policies and processes. The University has an Internal Quality Assurance Cell (IQAC) which works closely with all stakeholders and provide support on quality initiatives related to academics, research and administration. The IQAC monitors and reviews the teaching-learning process regularly through academic audits and inputs from the departmental IQAC. To achieve excellence in academic, research, administration, sports and extension activities SRMUH has adopted the 5Qs (Quality Intake, Quality Delivery, Quality Assessment & Evaluation,

Quality Outcome, Quality Placement), by ensuring regular monitoring of feedback received from various stakeholders. The University has service rules and employee welfare schemes for the benefit of teaching and non-teaching staff. Their performance is assessed through a well-defined appraisal system. The institution focuses on professional development of its staff by organising in-house capacity building events and providing support for attending training programs, conferences, seminars and workshops. SRMUH has a well-laid plan for its infrastructure augmentation and effective use of technology in teaching and learning system. Financial prudence is exercised in the matters of finance by the University Finance Committee and statutory officers. SRMUH is making progress towards implementation of key features of NEP 2020.

### **Institutional Values and Best Practices**

The core values of SRMUH are integrity, social sensitivity, inclusivity & diversity, gender equity, sustainability and excellence. Gender equity and sensitization is carried out by conducting programs and workshops of various stakeholders, like sensitization workshop on POSH Act, 2013, National Science Day, SRM MUN on global status of women in 21st century, etc. It is also a pro-women campus with 42% of its workforce being females. Various bodies such as Internal Committee to Prevent Sexual Harassment at Workplace, Anti-Ragging Committee and so on are committed towards establishing a safe and secured place for all. The University has strong commitment towards the differently abled and provides facilities like ramps, lifts, etc. SRMUH, along with PRIMSR Hospital, contributes to community development through collaborative activities like Blood Donation Camps, Free Eye Check-Up, Free Spectacles Distribution, Immunization against COVID, Legal Aid Camps, and so on.

The University is committed towards conserving energy and usage of alternate sources of energy like solar panels, biogas plant, battery-operated vehicles and bicycles. Rain water harvesting system and a proper system for disposal of various kinds of waste helps preserve nature. The University discourages the use of single-use plastic.

SRMUH also organizes various programs from time to time for the promotion of Constitutional values, rights, duties, and responsibilities of citizens which create awareness about the national identity and symbols. SRMUH focuses on social sensitization through community-oriented approach and focus on experiential learning through Industry-Academia collaboration as best practices.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the University	
Name	SRM UNIVERSITY, HARYANA
Address	No. 39, Rajiv Gandhi Education City, DELHI-NCR, SONEPAT
City	Sonepat
State	Haryana
Pin	131029
Website	<a href="http://www.srmuniversity.ac.in">www.srmuniversity.ac.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Vice Chancellor	Paramjit Singh Jaswal	0130-2203717	9779066999	0130-2203727	vcsrcmh@srmuniversity.ac.in
IQAC / CIQA coordinator	Dr. Ranjit Roy	0130-2203710	7496979583	0130-2203727	coordinator.iqac@srmuniversity.ac.in

Nature of University	
Nature of University	State Private University

Type of University	
Type of University	Unitary

Establishment Details	
Establishment Date of the University	03-05-2013
Status Prior to Establishment, If applicable	



Recognition Details		
Date of Recognition as a University by UGC or Any Other National Agency :		
Under Section	Date	View Document
2f of UGC	29-06-2015	<a href="#">View Document</a>
12B of UGC		

University with Potential for Excellence	
Is the University Recognised as a University with Potential for Excellence (UPE) by the UGC?	No

Location, Area and Activity of Campus							
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.	Programmes Offered	Date of Establishment	Date of Recognition by UGC/MHRD
Main campus	No. 39, Rajiv Gandhi Education City, DELHI-NCR, SONEPAT	Urban	47.38	51720	Sixty Eight		

## 2.2 ACADEMIC INFORMATION

Furnish the Details of Colleges of University

Type Of Colleges	Numbers
Constituent Colleges	0
Affiliated Colleges	0
Colleges Under 2(f)	0
Colleges Under 2(f) and 12B	0
NAAC Accredited Colleges	0
Colleges with Potential for Excellence(UGC)	0
Autonomous Colleges	0
Colleges with Postgraduate Departments	0
Colleges with Research Departments	0
University Recognized Research Institutes/Centers	0

Is the University Offering any Programmes Recognised by any Statutory Regulatory Authority (SRA)		: Yes
SRA program	Document	
BCI	<a href="#">111454_7794_8_1642589489.pdf</a>	
NCHMCT	<a href="#">111454_7794_20_1670298785.pdf</a>	

### Details Of Teaching & Non-Teaching Staff Of University

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned	21				43				114			
Recruited	14	1	0	15	14	11	0	25	80	34	0	114
Yet to Recruit	6				18				0			
On Contract	0	0	0	0	0	0	0	0	0	0	0	0

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned				57
Recruited	36	21	0	57
Yet to Recruit				0
On Contract	0	0	0	0

Technical Staff				
	Male	Female	Others	Total
Sanctioned				28
Recruited	22	6	0	28
Yet to Recruit				0
On Contract	0	0	0	0

### Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	13	1	0	14	11	0	36	29	0	104
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	1	0	0	0	0	0	39	27	0	67
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

#### Distinguished Academicians Appointed As

	Male	Female	Others	Total
Emeritus Professor	1	2	0	3
Adjunct Professor	3	0	0	3
Visiting Professor	3	0	0	3

#### Chairs Instituted by the University

Sl.No	Name of the Department	Name of the Chair	Name of the Sponsor Organisation/Agency
1	Faculty of Law	Dr. Baba Saheb Ambedkar Chair	SRM Institute of Science and Technology

**Provide the Following Details of Students Enrolled in the University During the Current Academic Year**

Programme		From the State Where University is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	702	827	0	1	1530
	Female	249	271	0	3	523
	Others	0	0	0	0	0
PG	Male	62	29	0	0	91
	Female	72	21	0	0	93
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	19	14	0	4	37
	Female	48	23	0	0	71
	Others	0	0	0	0	0

<b>Does the University offer any Integrated Programmes?</b>	Yes
<b>Total Number of Integrated Programme</b>	3

Integrated Programme	From the State where university is located	From other States of India	NRI students	Foreign Students	Total
Male	109	72	0	0	181
Female	49	52	0	0	101
Others	0	0	0	0	0

**Details of UGC Human Resource Development Centre, If applicable**

Year of Establishment	Nil
Number of UGC Orientation Programmes	0
Number of UGC Refresher Course	0
Number of University's own Programmes	0
Total Number of Programmes Conducted (last five years)	0

## 2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Agriculture Science	<a href="#">View Document</a>
Biomedical Engineering	<a href="#">View Document</a>
Biotechnology	<a href="#">View Document</a>
Chemistry	<a href="#">View Document</a>
Civil Engineering	<a href="#">View Document</a>
Commerce	<a href="#">View Document</a>
Computer Science	<a href="#">View Document</a>
Computer Science And Engineering	<a href="#">View Document</a>
Economics	<a href="#">View Document</a>
Electrical And Electronics Engg	<a href="#">View Document</a>
Electronics And Communication Engg	<a href="#">View Document</a>
English	<a href="#">View Document</a>
Environmental Science	<a href="#">View Document</a>
Food Technology	<a href="#">View Document</a>
Hindi	<a href="#">View Document</a>
Hotel Management	<a href="#">View Document</a>
Law	<a href="#">View Document</a>
Library And Information Sciences	<a href="#">View Document</a>
Management	<a href="#">View Document</a>
Mathematics	<a href="#">View Document</a>
Mechanical Engineering	<a href="#">View Document</a>
Microbiology	<a href="#">View Document</a>
Physics	<a href="#">View Document</a>
Political Science	<a href="#">View Document</a>
Psychology	<a href="#">View Document</a>

### Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	The curriculum of each programme is being designed
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	<p>as per NEP 2020 keeping in mind the changing market trends and its emphasis on skills and practical approaches to solve real-time problems. The courses being interdisciplinary/multidisciplinary in nature allows collaborative and experiential learning to enrich the curriculum. The curriculum stimulates inquisitiveness, and critical thinking capacity and thus, focusses on the overall development of the learners. The Choice Based Credit System (CBCS) is supplemented with the new approach of NEP to have more focus on experiential and multidisciplinary learning.</p>
2. Academic bank of credits (ABC):	<p>SRMUH has registered itself with the National Academic Depository (NAD) and Academic Bank of Credits (ABC). We are in the process of creating an ecosystem at SRMUH to allow multiple entry and exits. This will segway into the already existing ERP-based academic monitoring system in the University to ensure seamless academic delivery and quality assurance.</p>
3. Skill development:	<p>The curriculum is designed in such a way that each course is learner centric and the focuses upon experiential learning. Skill development courses are designed to hone critical thinking abilities of learners through internships, industry visits and projects. Furthermore, the learners are encouraged to opt for skill-based and vocational courses via MOOCs, Coursera, etc. The various collaborations/tie-ups with companies like Xebia, TCS, IBM, etc. enables the learners to engage with the current trends of the market.</p>
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	<p>The curriculum at SRMUH integrates local, regional, national and international dimensions of higher education and with the adoption of NEP, the University is committed towards incorporating more contextual content from the Indian Knowledge System. Yoga is an integral part of the curriculum and the Indian culture forms the foundational tenets in orientation courses offered by the University through its various Faculties.</p>
5. Focus on Outcome based education (OBE):	<p>SRMUH has designed its curriculum that follows Outcome Based Education approach that provides an ambiance of experiential learning, participative learning, and problem-solving learning methodology for the holistic growth of the students. The Course</p>



	Outcomes (COs) and Program Outcomes (POs) are designed in such a way that it caters to the local, regional, national, and global needs, in alignment with the vision and mission of the University. The curriculum is regularly updated keeping in pace with the outcome-based education considering the feedback of its stakeholders and experts in the BoS. The program structure inevitably reflects uniformity of pattern and design for eloquent outcomes based on cognitive abilities such as Remembering, Understanding, Applying, Analysing, Evaluating, and Creating.
6. Distance education/online education:	SRMUH has a Learning Management System (LMS) to support the learners beyond the classroom. The user-licensed-based LMS has proven extremely beneficial for blended learning and online examination during the pandemic period. The scope for distance education and/ or Online Distance Learning (ODL) is being contemplated by the University to reach out to more learners for whom formal classroom education may not be a possibility.

### Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes, it was established in 2020 and has been reconstituted in 2023.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	Yes, the ELC is functional and it is representative in character.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	SRMUH has organized workshops and awareness camps, for its students, faculty as well as the nearby villagers, to sensitize them about their electoral rights and familiarise them with the electoral process of registration and voting. Some of these initiatives are: 1. Guest lecture on voter awareness conducted for in-house students 2. Under the optional elective course, "Indian Constitution & Polity", the students are sensitized about their fundamental duties and electoral rights. 3. Faculty members of SRMUH help as Supervisory Officers during general elections
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research	1. Awareness camps are conducted for people above 18 years, disabled persons, and senior citizens in

projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	nearby villages. 2. During the Legal Aid Camps conducted by the Faculty of Law, special emphasis is laid on advancing democratic values and participation in electoral processes, etc.
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	Celebrating National Voters Day on 25th January to sensitize students who are above 18 years about their right to vote and familiarize them with the electoral process of registration and voting.

## Extended Profile

### 1 Program

#### 1.1

Number of programs offered year-wise for last five years

2021-22	2020-21	2019-20	2018-19	2017-18
68	61	59	43	36
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 1.2

Number of departments offering academic programmes

Response: 25

### 2 Students

#### 2.1

Number of students year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
2345	2139	1996	1749	1510
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 2.2

Number of outgoing / final year students year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
504	478	483	442	271
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**2.3****Number of students appeared in the University examination year-wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
4363	3967	3803	3410	2861
File Description			Document	
Institutional data in prescribed format			<a href="#">View Document</a>	

**2.4****Number of revaluation applications year-wise during the last 5 years**

2021-22	2020-21	2019-20	2018-19	2017-18
23	6	40	60	37

**3 Teachers****3.1****Number of courses in all programs year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
3544	2607	2443	1599	1340
File Description			Document	
Institutional data in prescribed format			<a href="#">View Document</a>	

**3.2****Number of full time teachers year-wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
171	155	159	122	104
File Description			Document	
Institutional data in prescribed format			<a href="#">View Document</a>	

**3.3**

**Number of sanctioned posts year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
178	178	147	147	147
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**4 Institution****4.1****Number of eligible applications received for admissions to all the programs year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
5837	6037	5413	4736	2859
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**4.2****Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
174	156	162	114	77
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**4.3****Total number of classrooms and seminar halls****Response: 73****4.4****Total number of computers in the campus for academic purpose****Response: 672**

**4.5****Total Expenditure excluding salary year-wise during last five years ( INR in Lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
1957	2039	2618	2474	1732

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curriculum Design and Development

**1.1.1 Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the Institution.**

**Response:**

SRMUH has a well-defined system of curriculum design and development which helps in development of relevant programs with flexibility to suit the professional and personal needs of the students and realisation of core values. The programs and courses are designed keeping in view the interdisciplinary approach which addresses the local, regional, national, and global needs as per Department of Higher Education (DHE) Haryana and UGC. The courses focus upon the areas of sustainable development, futuristic role of technology, empowerment of youth, gender sensitization, leadership and management, entrepreneurship skills, research, innovation and holistic development of students and changing needs of the society.

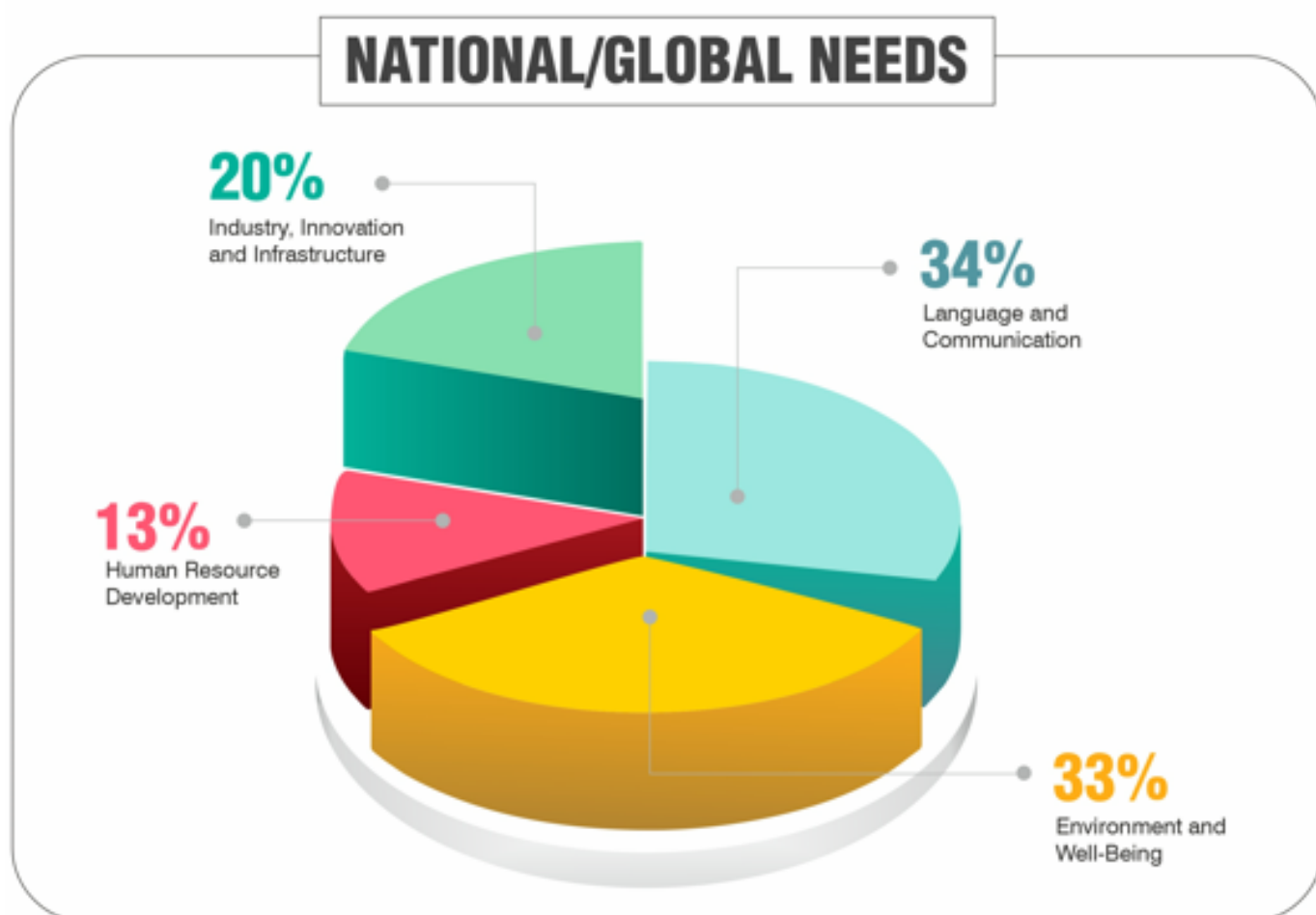
The curriculum framed incorporates the tenets of various government initiatives and policies like Skill India, Make in India, Digital India and other contemporary issues identified by NITI Aayog. The University is also conscious of the changes introduced by NEP 2020 and accordingly have introduced incremental revisions in its curriculum in addition to the Choice Based Credit System (CBCS), which is already being followed. Program Learning Outcomes (PLOs), Program Specific Outcomes (PSOs) and Course Learning Outcomes (CLOs) align with the vision and mission of the University.

The curricula are designed/improved at the Department level after taking into consideration different stakeholders' feedback. It is presented to the Board of Studies (BoS) and subsequently approved by the Academic Council.

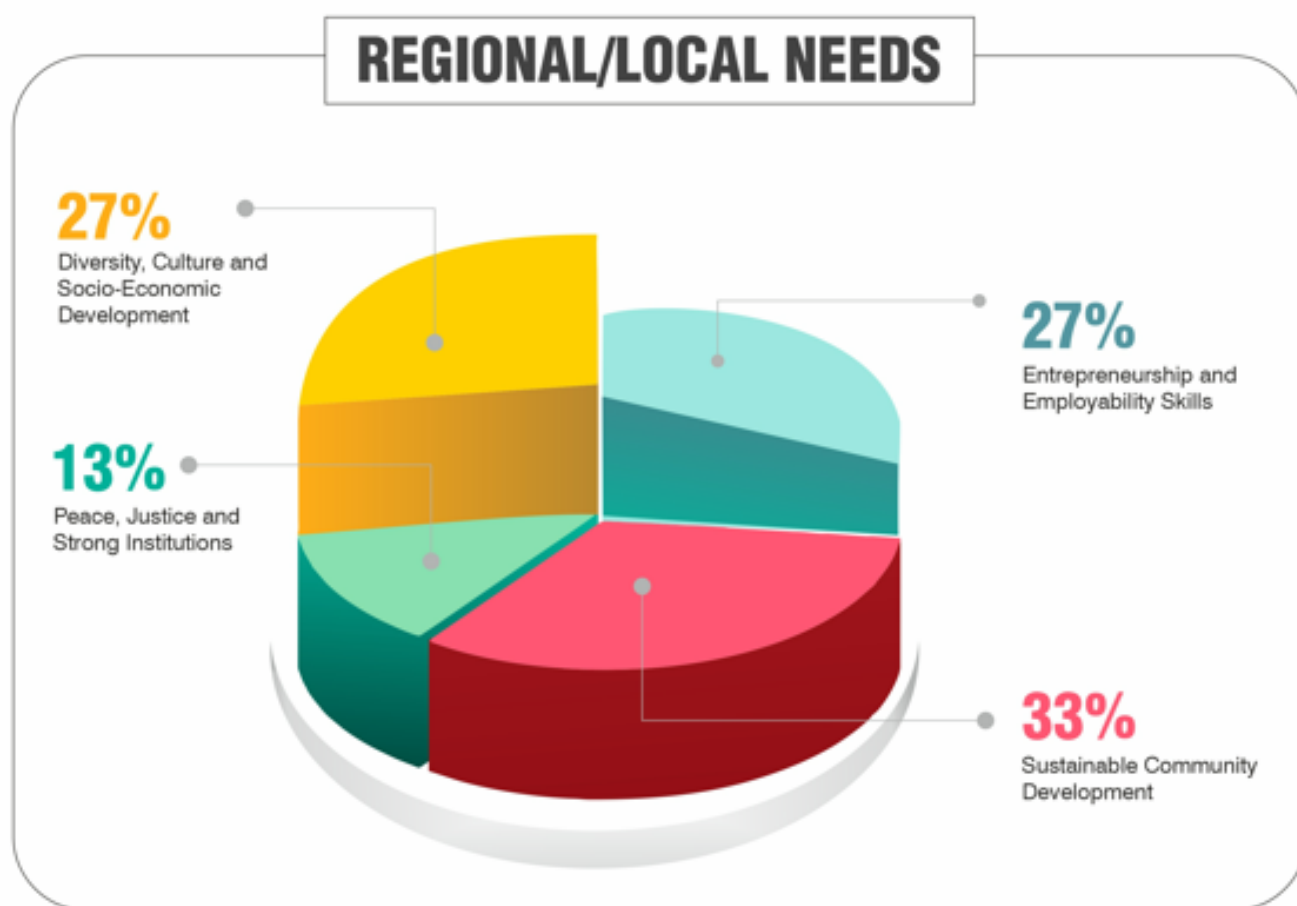
To keep students at par with global competitive market, study of foreign languages is included in the curriculum. Effective communication in both written and verbal form, and the ability to demonstrate leadership and entrepreneurship qualities are envisioned in the curriculum. Various co-curricular events are organized to instil significant traits like event management, public/customer relations, media-management, and leveraging technology, in students. Students are also exposed to the idea of "Earn while you learn" by providing them with different practical trainings. Thus, the University curriculum tries to achieve a balance between fostering a scientific temperament and inculcating sensitivity towards humanitarian challenges in a diverse, secular, egalitarian and sustainable society.

Global issues like energy crisis, data security and privacy, conservation of environment, combating natural disasters, reduction of carbon footprint, limiting e-waste, food scarcity and wastage, skill deficit, unemployment, access to universal health care, gender justice, mental health, land laws and such others are built into the curriculum. Courses on Drug Designing, AI & ML, Bio-Medical Engineering, Nano-Physics, Green-Science, and IPR set the pace for twenty first century challenges. The curriculum is developed in such a manner, so as to apply broad-based knowledge of Mathematics, Engineering, Physical Sciences, Life Sciences, Humanities and Law.

The primary objective of the curriculum is to make the students responsible citizens by virtue of their knowledge, skills and attitude. In order to make them capable to identify real time challenges and socio-economic problems, they are exposed to experiential learning. The University recognizes the need for self-motivation and ability to engage in lifelong learning and professional development as specific markers of education and knowledge-building and therefore has accordingly set the milestones in the curriculum.







File Description	Document
Upload Additional information	<a href="#">View Document</a>
Link for Additional information	<a href="#">View Document</a>

### 1.1.2 Percentage of Programmes where syllabus revision was carried out during the last five years.

**Response:** 83.82

#### 1.1.2.1 How many Programmes were revised out of total number of Programmes offered during the last five years

**Response:** 57

#### 1.1.2.2 Number of all Programmes offered by the institution during the last five years.

**Response:** 68

File Description	Document
Minutes of relevant Academic Council/BOS meeting	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Details of Programme syllabus revision in last 5 years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### 1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years

**Response:** 80.04

1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
2866	2116	1911	1302	1052

File Description	Document
Programme/ Curriculum/ Syllabus of the courses	<a href="#">View Document</a>
MoU's with relevant organizations for these courses, if any	<a href="#">View Document</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 1.2 Academic Flexibility

**1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.**

**Response:** 68.01

**1.2.1.1 How many new courses were introduced within the last five years.**

Response: 1567

#### 1.2.1.2 Number of courses offered by the institution across all programmes during the last five years.

Response: 2304

File Description	Document
Minutes of relevant Academic Council/BOS meeting	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 1.2.2 Percentage of Programmes in which Choice Based Credit System (CBCS) / elective course system has been implemented (Data for the latest completed academic year).

Response: 100

##### 1.2.2.1 Number of Programmes in which CBCS / Elective course system implemented.

Response: 68

File Description	Document
Minutes of relevant Academic Council/BOS meetings	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 1.3 Curriculum Enrichment

#### 1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum

Response:

The curriculum at SRMUH is developed in such a way that the learners are equipped to address the long-term societal needs as well as the various environmental hazards faced today. It also seeks to sensitize the learners through courses such as Human Values and Ethics, Professional Ethics, Soft Skills, Gender Sensitivity, Environmental Engineering, Pollution Control and Waste Management, Indian Polity, Constitution and others.

Value education forms an important core of the curriculum that delineates the significance of personal, social, professional, moral and behavioural values. Courses also cover in-depth teaching of critical aspects such as self-confidence, self-discipline, self-assessment, contentment, humility, compassion, gratitude, and

forgiveness. Behavioural values pertaining to individual and group, gender equality, purity of thoughts, understanding the role of religion, are covered in the curriculum. Non-violence, truthfulness, unified efforts for peace and patriotism are also integral part of the curriculum.

The course structure of “Environmental Studies” contains the role of immediate and long-term effects of human actions on the environment. The course also introduces renewable sources of energy that can be effectively used to replace conventional energy sources. The concept of ecosystem, energy flow in the ecosystem, food chains, food webs and ecological pyramids are integral part of the curriculum. Biodiversity and its conservation, threats to biodiversity, habitat loss, poaching of wildlife, man-wildlife conflicts, endangered and endemic species of India, in-situ and ex-situ conservation of biodiversity are also covered in the syllabus.

Professional Ethics encompasses personal and corporate standards of behaviour deemed necessary at professional work place. Soft Skill courses at all levels impart trainings in development of professional ethics and standards. Industrial visits and internships are mandatory and experts from corporate are invited to share their experiences with the students.

University is very particular about the gender sensitization among the students and staff. The students are familiarized with the concept of gender justice, constitutional guarantees and various relevant provisions of law. The University makes best possible efforts to create a free, equal and diverse environment for all genders. Students are sensitized and encouraged to work towards gender equity from a cross-cultural perspective. Major gender issues are addressed through activities like ‘Save Girl Child Campaign’, poster exhibitions, wall paper presentations, etc. Women’s Day is celebrated every year to honour women’s achievements and contributions in all spheres. The NSS and NCC units are proactive in conducting different extension activities for women education and empowerment. Some of the courses pertaining to gender equality, environment studies & sustainability and human values & professional ethics are as follows:

<i>Gender Equality</i>	<i>Environment Studies &amp; Sustainability</i>	<i>Human Values and Professional Ethics</i>
Constitution of India	Environmental Law	Human rights
Indian Constitution and Polity	Environmental Engineering	Professional Ethics
Sociology	Environment Management	NSS, NCC and Yoga
Gender Justice	Environmental Physics and Chemistry	Organisational Behaviour
Literature and Gender	Environmental pollution	Industrial Psychology
Gender Studies in literature	Industrial waste water treatment	Rural sociology and educational psychology
	Principles of environmental science	Teamwork and interpersonal skills
	Solid and hazardous waste management	



File Description	Document
Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 1.3.2 Number of value-added courses for imparting transferable and life skills offered during last five years.

**Response:** 81

#### 1.3.2.1 How many new value-added courses are added within the last five years.

**Response:** 81

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Brochure or any other document relating to value added courses	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above.

**Response:** 76.1

#### 1.3.3.1 Number of students enrolled in value-added courses imparting transferable and life skills offered year-wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
1943	1637	1490	1189	1185

### 1.3.4 Percentage of students undertaking field projects / research projects / internships (Data for the latest completed academic year).

**Response:** 74.46

#### 1.3.4.1 Number of students undertaking field projects or research projects or internships.

**Response:** 1746

File Description	Document
List of Programmes and number of students undertaking field projects research projects/ / internships (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 1.4 Feedback System

**1.4.1 Structured feedback for design and review of syllabus – semester-wise / year-wise is received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni**

**Response:** A. All 4 of the above

File Description	Document
URL for stakeholder feedback report	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Action taken report of the University on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	<a href="#">View Document</a>

**1.4.2 Feedback processes of the institution may be classified as follows:**

**Response:** A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
URL for feedback report	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Demand Ratio (Average of last five years)

**Response:** 3.85

##### 2.1.1.1 Number of seats available year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1770	1568	1590	985	736

File Description	Document
Demand Ratio (Average of Last five years) based on Data Template upload the document	<a href="#">View Document</a>
• Any additional information	<a href="#">View Document</a>

#### 2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the last five years (Excluding Supernumerary Seats)

**Response:** 90.94

##### 2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
159	140	146	104	71

File Description	Document
Average percentage of seats filled against seats reserved (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 2.2 Catering to Student Diversity

#### 2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners



**Response:**

The University has a unique and well-defined system of assessing learning levels of the students. The University admits students from diverse background through a streamlined, fair, and transparent admission policy. To cater to a wide array of students and to ensure excellence in academic standards, the University has adopted a methodology for identification of slow learners (aspirants) and advanced learners (performers).

- Performance in the University Exam of the previous Semester
- Class Committee meetings to identify different levels of learners
- Performance in the Continuous Internal Assessment
- In-class observations by the subject teachers

The following special measures are taken to support the aspirants:

- Re-Orientation program is conducted for the aspirants in every department at the start of every semester
- Remedial classes, extra classes, and tutorials are organised.
- Regular counselling is provided to strengthen the Emotional Quotient (EQ) of the students to drive their academic performance and decision-making capabilities.
- Provide additional reading material and assignments to improve basic understanding of the subjects
- Special training programs, webinars and seminars are organized to help them overcome the difficulties in integrating them with the overall cohort.
- Aspirants are paired with performers for collaborative exercises striking a balance in teaching-learning process and ensuring peer-learning.
- Interaction with parents/guardians regarding their ward's progress/conduct

The following special measures are taken to support the performers:

- Advanced projects and internships for meritorious students who also have an option to undertake their final semester entirely with the industry on an industry project.
- Performers are encouraged to engage in activities of various Institutional Chapters and professional bodies, such as Institution of Engineering and Technology (IET-UK), The Institution of Engineers (India) (IEI), etc., and interact with academicians, industry experts and scientists from various domains.
- Provision of seed money to undertake innovative and socially relevant projects.
- Special placement drives in the form of training by recruiters and other leading training agencies.
- Encourage the students to undertake research projects and publish their results in journals.
- Students are encouraged to participate in National and International Competitions, Conferences, Seminars, etc.
- The topper of each class is appointed as Class Representative to give a chance to develop their communication, leadership and team-building skills.
- Students are encouraged to participate and undertake MOOCs from NPTEL, SWAYAM, Coursera and others.
- The departments in collaboration with IBM, Xebia & TCS organize various competitions like Hackathon, publishing student's newsletter, and others.

All these initiatives enables them to strike a balance between academics and co-curricular/extra-curricular activities which go a long way towards enhancing their employability attributes and achieving success in their respective fields.

File Description	Document
Upload Any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 2.2.2 Student - Full time teacher ratio (Data for the latest completed academic year)

**Response:** 14:1

File Description	Document
Any additional information	<a href="#">View Document</a>

## 2.3 Teaching- Learning Process

### 2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

**Response:**

SRMUH adopts a comprehensive multidimensional approach of teaching and learning which emphasises on student-centric and application-oriented pedagogy to achieve holistic development of students, to ensure and promote quality education and maintain high standards of teaching-learning. To broaden the student's horizon, the teaching and learning at SRMUH is not only restricted to the prescribed curriculum but is often supplemented with problem solving and participative learning methodologies. Guided by the vision of the University in mind, all faculty members are focused towards developing professional abilities among the students who can contribute technically and socially to the needs of the industry and society.

#### **Experiential learning:**

- Skill enhancement courses, practical courses, live projects comprises of around 22% of the credits earned.
- University organizes regular Industrial/Field visits and study tour for students across all disciplines. Students undertake internships during their summer/winter break.
- Apart from the experiments listed in the curriculum, students are provided access to the virtual-labs to explore beyond the curriculum.
- Regular seminars, webinars and guest lectures are delivered by experts, from academia and industry.
- Promoting a culture wherein students are encouraged to carry out their industrial projects/live projects.
- Legal Aid Camps and Moot Court sessions are organised to promote experiential learning

**Participative Learning:**

The students are encouraged to engage in group activities to enhance their interpersonal skills

- “*Samavesh*”, an annual sport meet is organised for the students and staff to inculcate confidence, team spirit and leadership qualities.
- ‘Aagaaz’ which is especially held to orient the freshers and encourage them to explore their talent.
- ‘Prisma’ is an inter-university event wherein students from different universities and colleges interact to learn from each other on academic and cultural events like, hackathon, robowars, gaming, etc.
- Various societies, such as drama club, cultural society, etc. provide different opportunities to the students to unfold their leadership ability, potential and dreams.
- NCC and NSS wings of the University plan various camps and activities such as; “Blood Donation Camp”, “Covid-19 Vaccination Camp”, “*Swachhta Pakhwada*”, “Tree Plantation” at the University premises and the adjoining villages that help students to adopt the spirit of team work and sensitization towards the community/society.
- Clinical legal education is promoted through the Legal Aid Cell in faculty of law.
- Students’ chapters help in participative peer-learning among the students by organising various events and workshops.

**Problem Solving Methodology:**

- Students are encouraged to undertake research and case studies to solve real-life problems and publish their findings thorough the support of faculty members.
- The real-time goal specific projects are regularly allotted to the students under the mentorship of faculty mentors to develop critical thinking and problem-solving capabilities among the students.
- Regular discussions on interdisciplinary and real-life challenges among group of students are conducted in the CIIE that enables them to find out feasible solutions thereby helping them gain practical exposure.

Apart from the quizzes conducted in the classrooms, various competitions like essay writing competition, literary competition, case studies, creative writing and others are regularly conducted which in turn promote problem solving skills among the students.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning process.****Response:**

SRMUH encourages its faculty and students to use technology as a learning resource. The instructional

activities are managed through the ERP and the Learning Management System. The University promotes the use of ICT enabled tools by facilitating the LCD projector, Wi-Fi and LAN enabled classrooms to faculty members and students. The necessary training for the optimum utilization of the ICT tools is arranged by the University on regular intervals. The University has smart classrooms which are equipped with LCD Projectors, interactive screen and high-speed LAN connectivity. Apart from the classrooms, various labs, seminar halls, moot court and the auditorium are also equipped with the facility of LCD projectors, and high-speed LAN connectivity. The University has access to e-resources such as e-journals, e-books, DELNET, IEEE, J-GATE, National Digital library, NPTEL content, SWAYAM, e-Shodh Sindhu, Shodhganga, SCC online platinum, Hein Online, AIR, South Asia Archive etc., that can be remotely accessed. The teaching fraternity of the University uses conventional teaching methods along with online resources such as: YouTube videos, NPTEL notes and videos, Coursera and other online platforms to make the course delivery effective and more communicative. The University has created NPTEL local chapter to facilitate the faculty members and students to integrate MOOCs in the teaching-learning process. The University has opted for various ICT tools as part of academics and other resource centres to bridge the gap between the educator, students, parents and other stakeholders. The University has advanced, comprehensive and expansive ERP system which is used by all faculties, staff and students for academic input, attendance, assessment, leave management, taxation, feedback, grievances and other necessary purposes. The ERP system is also accessible by the parents who can supervise and monitor the performance of their wards.

The COVID-19 pandemic further emphasized the usage of technology in teaching-learning process. Hence, the University took utmost care to ensure the effective delivery of contents during this period. The faculty members used all possible e-resources like pen tablets, Google meet, Zoom and licensed version of WebEx for regular teaching, practical classes and for facilitating regular communication with the students. The aforesaid media were also used to share class notes, previous year question papers, assignments, case studies and quizzes.

Adequate IT infrastructure and facility has been created by the University to meet the requirements of academics and administrative assignments. To address the need for printing and photocopying of documents dedicated space in the form of IT hub is set up. All the laboratories across all the disciplines in the University are equipped with the latest instruments and tools. An excellent common computer facility and research facility have also been created in the campus. The University has also established server rooms with continuous power back-up so that the need of 24x7 internet availability may be ensured for all through Wi-Fi and high-speed LAN connectivity throughout the campus.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide link for webpage describing the " LMS/ Academic management system"	<a href="#">View Document</a>

### 2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year )

**Response:** 14:1

**2.3.3.1 Number of mentors ?????????????? ???????**

Response: 171

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	<a href="#">View Document</a>
mentor/mentee ratio	<a href="#">View Document</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View Document</a>

**2.4 Teacher Profile and Quality****2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years**

Response: 89.01

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	<a href="#">View Document</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.4.2 Average percentage of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D’Lit. year-wise during the last five years**

Response: 55.56

**2.4.2.1 Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
105	97	83	63	52

File Description	Document
List of number of full time teachers with Ph D/D M/M Ch/D N B Superspeciality/DSc/D Lit and number of full time teachers for 5 years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)****Response:** 5.86**2.4.3.1 Total experience of full-time teachers****Response:** 1002.88

File Description	Document
List of Teachers including their PAN, designation, dept and experience details	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the last five years****Response:** 36.57**2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government/Govt. recognized bodies year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
17	14	11	7	3

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of award letters (scanned or soft copy)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.5 Evaluation Process and Reforms****2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years****Response:** 17.42**2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
11.77	20.01	25.12	10.77	19.42

File Description	Document
List of Programmes and date of last semester and date of declaration of results	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years

**Response:** 0.96

#### 2.5.2.1 Number of complaints/grievances about evaluation year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
23	6	40	60	37

File Description	Document
Number of complaints and total number of students appeared year wise	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 2.5.3 IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution

**Response:**

SRMUH has a streamlined and well-organized examination system that governs assessment and evaluation across the University. The University keeps its examination system open to modifications for improvement, ensuring the system is fool proof to address anomalies or grievances (if any). The required parameters for examination reforms in SRMUH examination system is based on OBE (Outcome Based Education) framework. The University also follows Bloom's taxonomy which includes Lower Order Thinking Skills (LOTS)/Higher Order Thinking Skills (HOTS), for assessment design, etc. The various rules & regulations, system & processes concerning to preparation, conduct of examinations and post conduct of examinations are controlled and monitored by the Examination Department of the University. It maintains a constant engagement with different stakeholders, through meetings with the

Heads/Deans/Principal/Coordinators of various academic departments/Institute/Faculty for smooth and updated functioning of the examination system of the University. The following illustration represents the digital work flow of the entire examination system:



The illustrative representation reflects integration of ICT tools which has modernized the entire examination process, and simplified governance. The automation of examination has led to improvement in the efficiency, speed, accountability, optimum utilization of resources, removal of manual intervention and error-free functioning, in addition to making the whole process transparent, and digitalized.

## IT Integration

### • Student Portal:

Students can access the portal using their University registration number as user ID and DOB as password. The student portal enables the following functions:

- Filling up of examination form
- Payment of examination fee
- Downloading of admit card
- Access results in both theory and practical
- Grievance, if any, to the examination cell

(<https://erpsrm.com/srmhonline/students/loginManager/youLogin.jsp>)

### • Parent/Guardian portal:

Parents/Guardians also can access the portal through their ward's University registration number as user ID and DOB as password. They can access the same view/information as in the student portal. (<https://erpsrm.com/srmparentportal/parents/loginManager/youLogin.jsp>)

### • Special link on website:



There is a special link for microsite provided on the University website for examination notifications (<https://srmuniversity.ac.in/examination/>)

- **Automation - ERP:**

The examination process is automated through ERP which ensures accessible and secure data in the form of reports to all stakeholders.

**Reforms in the examination procedures and processes:**

- Standardization/ Redistribution of internal- end term – Maximum Marks
- Improvement in Result Declaration time (except during COVID-19 lockdown period 2019-2020 & 2020-2021)
- Introduction of Blooms Taxonomy- Blueprint in end term and internal assessment, in accordance with defined PLOs and CLOs
- Marking Scheme- end term assessment and evaluation
- Centralized evaluation system
- Transparent evaluation – Grievance Redressal System - Provision of photocopy of answer sheet, re-totalling
- Dedicated Examination- Microsite
- Dedicated WhatsApp number for student support
- Single window student services for certificates Transcripts/PC/Migration/Character/Grade Card/ CSOG/ No Backlog
- Revised – Academic Promotion Policy for students

The above-mentioned reforms have removed ambiguity, strengthened assessment and evaluation process across various faculty (s)/department (s), and have made assessment and evaluation system more transparent, efficient and student centric. SRMUH has registered itself with the Academic Bank of Credits (ABC) and National Academic Depository (NAD).

File Description	Document
Year wise number of applications, students and revaluation cases	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

#### **2.5.4 Status of automation of Examination division along with approved Examination Manual**

**Response:** Only student registration, Hall ticket issue & Result Processing

File Description	Document
Current manual of examination automation system and Annual reports of examination including the present status of automation	<a href="#">View Document</a>
Current Manual of examination automation system	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Annual reports of examination including the present status of automation	<a href="#">View Document</a>

## 2.6 Student Performance and Learning Outcomes

### 2.6.1 The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents

#### Response:

The Programme Learning Outcomes (PLOs) and Course Learning Outcome (CLOs) are drafted after careful consideration and in consonance with the vision and mission of the University. Every programme and course have a clearly stated PLOs and CLOs respectively. PLOs clearly state the learning objectives and outcomes of all the Undergraduate, Postgraduate, and Research Programmes. Every department has well defined PLOs for the programmes offered. Course Objectives (COs) and Course Learning Outcomes (CLOs) are drafted by matching the syllabus with the content. The suggestions from the academicians of other institutes, industry experts and Alumni are obtained in respective Boards of Studies (BOS) and are duly incorporated. Modifications, if any, are carried out and approved by the Academic Council of the University.

The University follows 'Outcome Based Education'. The approach underlines the importance of learning outcomes, that is, the outcome which the students would be able to attain after undergoing a certain programme or a course.

The programme outcomes are drafted as per the guidelines of the regulatory bodies such as NCTE, NEP, AICTE, UGC, BCI, etc., to meet the global standards as well as the requirements of programme. The course outcomes are identified or assigned as per the contents and objectives of the course within the programme framework. The course objectives are taken into consideration while drafting the course outcome so that they are in synchronization with each other. In general, the number of hours required for the course completion which would include both theory and practical components, weightage of content and evaluation pattern must sync with the CLOs. These vital issues are duly addressed and discussed in BoS meetings.

Furthermore, while drafting or revising the curriculum of a certain programme or course, it is ensured that the course learning outcomes represent the various dimensions of the Bloom's taxonomy. The Learning Outcomes are integrated into assessment system at all levels and is indicated in the blue print prepared for each assessment paper.

All degree programmes offered by the University have clearly stated outcomes that define the expected competencies among students upon successful completion of programme. Course Learning Outcomes are drawn at the course level, including details of expected outcomes from students, which are clearly stated in the syllabus. The program structures, along with their PLOs and CLOs are widely publicised to all its stakeholders through the website. Furthermore, Learning Outcomes are also explained to the students during Orientation Programme at the beginning of the semester and by their respective teachers through the course plan.

File Description	Document
Upload COs for all courses (exemplars from Glossary)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste link for Additional Information	<a href="#">View Document</a>

### 2.6.2 Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution

#### Response:

For attainment of Course Learning Outcomes (CLOs), the assessment process is divided into two parts (1) continuous internal evaluation and (2) semester end evaluation. The CLOs are drafted using Bloom's Taxonomy action verbs. The internal evaluation is done through assignments, Mid Semester Tests (MSTs), Viva- Voce, projects, presentations, and other assessment tools.

The CLOs are mapped with Programme Learning Outcomes (PLOs) and depending on their level of similarity, a score is assigned ranging from 1-3. If the CLO is strongly mapped with PLO, the value defined is 3, if the CLO is moderately mapped with PLO, then the value assigned is 2 and if the CLO is lightly mapped to the PLO, then the value assigned is 1. If the CLO fails to map with PLO, no value is assigned.

A target level for CLO attainment is decided by the respective departments and accordingly, calculation is done for every CLO. For instance, if the target level decided by the department is 60%, a student scoring 60% or more would be assigned a score of 3; if the score is equal to or greater than 40% but less than 60%, then a score of 2 is given, and if it is less than 40% then it would be 1. Further, depending on the total score, it is assessed if the target of 60% is achieved or not. An average score is taken of the students who have scored 60% and above, 40% and above, and below 40%. This average score decides whether the CLO attainment is successful through the CIE method and accordingly the level of attainment is also assessed. The final score is calculated by taking 40% of target level of average CO attainment through continuous evaluation and adding it to 60% of target level of Course Outcome attainment through semester end examination. The score is a measure of overall CLO attainment to the PLO attainment. Accordingly, the same procedure is used to calculate the score for other COs.

The PLO attainment is carried out through direct assessment consisting of Continuous Internal Evaluation and Semester End Evaluation. A defined target is set for every PLO and accordingly a desired score is

assigned (between 1 to 3). If the PLO attainment is as per the desired score, it indicates that the programme is running successfully context to Outcome Based Education (OBE) and if the score is below the desired level (less than 2), then further action needs to be taken.

For indirect attainment a set of questionnaires is given to students in the form of different surveys and feedbacks. For Indirect PLO attainment, each question is mapped with the PLO of respective program and target level, accordingly a value is given and total score is obtained. Overall PLO attainment is calculated by taking 80% of direct attainment and adding this value to 20% of indirect attainment.

PSOs are defined for the respective program and PSO attainment is carried out using similar guidelines as that of PLOs.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for Additional Information	<a href="#">View Document</a>

### 2.6.3 Pass Percentage of students(Data for the latest completed academic year)

**Response:** 93.85

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 504

2.6.3.2 **Total number of final year students who appeared for the examination conducted by the Institution.**

Response: 537

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste link for the annual report	<a href="#">View Document</a>
Link fo any additional information	<a href="#">View Document</a>

## 2.7 Student Satisfaction Survey

### 2.7.1 Online student satisfaction survey regarding teaching learning process

**Response:**

File Description	Document
Upload database of all currently enrolled students	<a href="#">View Document</a>

## Criterion 3 - Research, Innovations and Extension

### 3.1 Promotion of Research and Facilities

**3.1.1 The institution's Research facilities are frequently updated and there is a well defined policy for promotion of research which is uploaded on the institutional website and implemented**

#### Response:

SRMUH pursue excellence in research and innovation. It promotes 'research culture' through Research & Development (R&D) Policy. The Research Advisory Council (RAC) reviews the R&D projects and helps to garner support from Industry.

Our commitment to the interdisciplinary/multidisciplinary research is reflected in both applied and basic research. The University ensures that all courses have a component of research.

SRMUH vision for research is focused towards national priorities. C4D research lab working in the area of drug development is an example.

#### Objectives:

- To promote research having focus on basic research, applied research, development research and publication of research papers.
- To integrate the four elements of research & development i.e., people, ideas, funds and culture.
- To identify the focus areas of research involving interdisciplinary/ multidisciplinary areas and collaborative approach involving both industry and academia at the national and international levels.
- To strengthen the existing Centre of Excellences.
- To establish advance research centres in each faculty and advanced centres in socially relevant areas.
- To have university journal to create opportunity for publication of quality research papers from interdisciplinary/multidisciplinary areas.
- To offer more incentives for best research paper, best research faculty, and best research project.
- To create conducive environment and culture for research and development.

#### Research Advisory Council (RAC)

The University has constituted a Research Advisory Council (RAC). Information regarding call for papers, conferences, research projects and available research grants from governmental and non-governmental agencies are shared with all faculty members.

#### Seed Money

The provision of seed money is extended to the faculty members to engage in research activities.

- To encourage publication of quality research papers and publications in quality journals such as Nature/SCI/SSCI/WoS/Scopus Indexed/UGC CARE Journals, etc. an incentive of Rs 5000/- per paper/per year/per faculty is given. For joint authorship an amount of Rs 2500/-per year/per

paper/per faculty is given.

- For sponsored Research and Development project, an incentive of Rs 10,000 per year/per faculty is given to Principal Investigator. For the Co-Principal Investigator an incentive of Rs 5000 per year/per faculty is given.
- For patents published, an incentive of Rs 5000/-per year/per faculty is given. For patents granted an incentive of Rs 10,000/-per year/per faculty is given.
- In order to encourage faculty members and to prepare the preliminary data and primary experiments, and come up with the concept note for a major grant to any government or non-government funding agency. R & D proposals are invited from the faculty members. The funding is provided under this scheme up to Rs. 1,00,000/- per proposal.

### **Strengthening existing SSCE:**

The existing SRM-Siemens Centre of Excellence (Siemens-CoE) and SRM Bosch Centre for Collaborative research have a roadmap and actionable agenda.

### **Establishment of Advanced Research Centres:**

Centre of Excellence for the specialized research is proposed to be established. Centre for Nanoscience, Centre for AI & ML, Incubation Centres and Innovation Centres is proposed to be established.

### **Establishment of UN Centre for Training and Research:**

The UNITAR (United Nation Institute for Training and Research) has proposed to establish the UN Centre for Training and Research.

<b>File Description</b>	<b>Document</b>
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
URL of Policy document on promotion of research uploaded on website	<a href="#">View Document</a>

### **3.1.2 The institution provides seed money to its teachers for research (average per year, INR in Lakhs)**

**Response:** 46.76

#### **3.1.2.1 The amount of seed money provided by institution to its faculty year-wise during the last five years (INR in lakhs).**

2021-22	2020-21	2019-20	2018-19	2017-18
25.04	146.36	19.27	9.18	33.94

File Description	Document
Minutes of the relevant bodies of the University	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.1.3 Percentage of teachers receiving national / international fellowship / financial support by various agencies for advanced studies / research during the last five years.

**Response:** 3.09

#### 3.1.3.1 The number of teachers who received national / international fellowship / financial support by various agencies for advanced studies / research year-wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
14	5	1	2	0

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of the award letters of the teachers	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.1.4 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the last five years.

**Response:** 114

#### 3.1.4.1 The Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other research fellows enrolled in the institution year-wise during the last five years.



2021-22	2020-21	2019-20	2018-19	2017-18
29	32	22	19	12

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.1.5 Institution has the following facilities to support research

1. Central Instrumentation Centre
2. Animal House/Green House
3. Museum
4. Media laboratory/Studios
5. Business Lab
6. Research/Statistical Databases
7. Mootcourt
8. Theatre
9. Art Gallery
10. Any other facility to support research

**Response:** A. 4 or more of the above

File Description	Document
Upload the list of facilities provided by the university and their year of establishment	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste link of videos and geotagged photographs	<a href="#">View Document</a>

### 3.1.6 Percentage of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies (Data for the latest completed academic year)

**Response:** 32

#### 3.1.6.1 The Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other similar recognitions by national and international agencies.

**Response:** 8

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-version of departmental recognition award letters	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 3.2 Resource Mobilization for Research

**3.2.1 Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the last five years (INR in Lakhs).**

**Response:** 930.6

**3.2.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years (INR in Lakhs).**

2021-22	2020-21	2019-20	2018-19	2017-18
58.8	613.05	68.58	147.71	42.46

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of the grant award letters for research projects sponsored by non-government	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.2.2 Grants for research projects sponsored by the government agencies during the last five years (INR in Lakhs).**

**Response:** 1688.98

**3.2.2.1 Total Grants for research projects sponsored by the government agencies year-wise during the last five years (INR in Lakhs).**

2021-22	2020-21	2019-20	2018-19	2017-18
1580.72	12.29	49.4	0	46.57

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of the grant award letters for research projects sponsored by government	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.2.3 Number of research projects per teacher funded by government and non-government agencies during the last five years

**Response:** 1.2

#### 3.2.3.1 Number of research projects funded by government and non-government agencies during the last five years.

Response: 34

#### 3.2.3.2 Number of full time teachers worked in the institution year-wise during the last five years..

Response: 142

File Description	Document
Supporting document from Funding Agency	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Paste Link for the funding agency website	<a href="#">View Document</a>

## 3.3 Innovation Ecosystem

### 3.3.1 Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge.

**Response:**

SRMUH has developed a Centre for Innovation, Incubation and Entrepreneurship (CIIE) with an aim to provide a platform for nurturing, encouraging, and developing innovation and entrepreneurial skills among the students, faculty and alumni. One of the objectives of CIIE is to focus on the local problems of villages in the vicinity of the campus, along with metropolitan cities, opening up of new avenues for research, innovation, business and entrepreneurship. CIIE provides the required platform for the early stage innovators to transform their ideas into working model, then further rework it as a business proposition by providing the necessary interface to connect it with the industry experts. It also builds capacity of young entrepreneurs to establish new business, protecting their intellectual property rights and filing of patents. SRMUH has earmarked funds for promoting innovation and incubation activities in the campus. Incubation centre was established in August 2019 with a dedicated infrastructure for discussion, ideas

exchanges, meetings, and training lab in approximate area of 800 sq. ft. A series of motivational talks and training programmes were conducted by expert speakers including two Nobel Laureates inculcating the habit of innovation and to enrich the importance of entrepreneurship as a career opportunity among the students and faculties. CIIE plays a pivotal role in driving initiatives under the MHRD's Institution Innovation Council, (IIC), such as innovation ambassador programme, IIC national innovation contest 2020, Toycathon 2021 and Smart India Hackathon 2022. CIIE also proved to be the gateway for students to join the coding community. Codify was initiated under CIIE and DailyQue, a 30-day contest was held where new challenges were added every day to help students build skills, based on algorithms. CIIE has also organized a workshop for the recently booming technology - Internet of Things (IoT). A real-life application of IoT was also shown to the participants in the form of simple home automation.

Students at CIIE are also trained in the micro-controllers usage such as Arduino, Node MCU and Raspberry PI which will be helpful to them in developing working prototypes of innovative ideas. Workshop on remote control car and drone making was conducted to encourage the students to make innovative projects. Student teams were encouraged to participate in the national level competitions, such as Innovation Punjab summit 2020 held at Chandigarh and Science exhibition contest 2020 held at *Mahendergarh*. Incubation Centre was restructured into Centre for Innovation, Incubation and Entrepreneurship (CIIE) in October 2021 and additional space was allocated with approximate dimensions of 600 sq. ft. dedicated for brainstorming interaction with industry experts and student innovators. CIIE also conducts coding based training, such as app development and web development events to nurture the coding skills of the young innovators. Internal hackathons are also conducted by CIIE tech team on the regular basis after every six months.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 3.3.2 Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the last five years.

**Response:** 131

#### 3.3.2.1 Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year-wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
58	47	13	10	3

File Description	Document
Report of the event	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.3.3 Number of awards / recognitions received for research/innovations by the institution / teachers / research scholars / students during the last five years.

**Response:** 153

#### 3.3.3.1 Total number of awards / recognitions received for *research* / innovations won by institution / teachers / research scholars / students year-wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
88	18	41	2	4

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e- copies of award letters	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 3.4 Research Publications and Awards

**3.4.1 The Institution ensures implementation of its stated Code of Ethics for research through the following: 1. Inclusion of research ethics in the research methodology course work 2. Presence of Ethics committee 3. Plagiarism check through software 4. Research Advisory Committee**

**Response:** A. All of the above

File Description	Document
Code of ethics for Research document, Research Advisory committee and ethics committee constitution and list of members on these committees, software used for Plagiarism check, link to Website	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.4.2 The institution provides incentives to teachers who receive state, national and international

**recognitions/awards** 1. Commendation and monetary incentive at a University function  
 2. Commendation and medal at a University function 3. Certificate of honor 4. Announcement in the Newsletter / website

**Response:** A.. All of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e- copies of the letters of awards	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.4.3 Number of Patents published / awarded during the last five years.

**Response:** 33

#### 3.4.3.1 Total number of Patents published / awarded year-wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
19	11	3	0	0

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.4.4 Number of Ph.D's awarded per teacher during the last five years.

**Response:** 1.58

#### 3.4.4.1 How many Ph.D's are awarded within last five years.

Response: 68

#### 3.4.4.2 Number of teachers recognized as guides during the last five years

Response: 43

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
URL to the research page on HEI web site	<a href="#">View Document</a>

**3.4.5 Number of research papers per teachers in the Journals notified on UGC website during the last five years****Response:** 3.08**3.4.5.1 Number of research papers in the Journals notified on UGC website during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
244	90	54	31	19

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.6 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years****Response:** 1.11**3.4.6.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
74	14	27	23	20

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.7 E-content is developed by teachers :**

- 1.For e-PG-Pathshala
- 2.For CEC (Under Graduate)
- 3.For SWAYAM
- 4.For other MOOCs platform
- 5.Any other Government Initiatives

**6.For Institutional LMS****Response:** D. Any 2 of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Give links or upload document of e-content developed	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.8 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed****Response:**

File Description	Document
Bibliometrics of the publications during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.9 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution****Response:**

File Description	Document
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.5 Consultancy****3.5.1 Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy.****Response:**

SRMUH is a resource pool with several persons engaged in research at various levels. Consultancy shows the potential of the University's research acumen to the outside world. The University acknowledges the fact that appropriate consulting activities will be mutually beneficial for both institution and its faculty members. It encourages its faculty, research scholars, students, and staff to undertake consultancy offered by the government, non-government, industry, other academic institutions, and individual clients.



SRMUH has a well-defined Consultancy Policy that inspires the employees to undertake consultancy initiatives for undertaking innovative research projects, transfer of technology, and generate revenue/income for the institution and for themselves on a sharing basis. It aims to nurture novel ideas and innovators to create futuristic leaders. It creates a win-win environment for the industry and academia, as both benefit from the outcome of consultancy projects. Overall, such activities immensely contribute to society, generate knowledge, enhance the social and economic impact of the University on local and global communities, and support the enterprising and innovative spirit of staff and students.

The University is committed to its pursuit of excellence in research and aims to lead the Research agenda across the spectrum of Engineering & Technology, Basic Sciences, Humanities, Social Sciences, Legal Studies, Management, Commerce, Hotel management, and Medical Sciences. University promotes two types of consultancy assignments, i.e., (a) Institutional, the consultancy project received by the University or its Faculty or Department, and (b) Individual, the consultancy secured by employees through their efforts, network, and expertise. Consultancy may cover different kinds of activities depending upon the expertise of the employees and students. After obtaining approval from the Vice-Chancellor on the recommendation of the R&D Cell, the consultancy is marked to the Employee/ Department for its execution. Principal Investigator (PI) is solely responsible to manage the consultancy project efficiently and promptly as per the Terms of Reference (ToR). The revenue raised through consultancy is equitably shared among the concerned faculty, supporting staff/students along with the share of the University as a ratio of 40:60. The ratio of distribution would be 60% to the PI and 40% to the University. The University periodically organises workshops on various themes including IPR to create awareness among the students and staff to undertake consultancy projects with the industry. The faculty in line with the consultancy policy is engaged with industry on various consultancy projects and contributed to the University by generating revenue.

File Description	Document
Upload soft copy of the Consultancy Policy	<a href="#">View Document</a>
Upload minutes of the Governing Council/ Syndicate/Board of Management related to consultancy policy	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste URL of the consultancy policy document	<a href="#">View Document</a>

### 3.5.2 Revenue generated from consultancy and corporate training during the last five years (INR in Lakhs).

**Response:** 7.05

#### 3.5.2.1 Total amount generated from consultancy and corporate training year-wise during the last five years (INR in lakhs).

2021-22	2020-21	2019-20	2018-19	2017-18
5.65	1.4	0	0	0

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Audited statements of accounts indicating the revenue generated through consultancy	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.6 Extension Activities

#### 3.6.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years.

##### Response:

SRMUH undertakes several extension activities like NCC, NSS, and Legal Aid camps for sensitizing its students towards socio-economic and environmental issues and thereby inculcating values and commitment to the society. The University organises workshops, seminars, guest lectures, conferences, faculty enrichment programs in the areas of research methodology, IPR, skill development, entrepreneurship, etc. to support research and collaboration.

The University has MoUs with gram panchayats of 12 nearby villages, and has also adopted 5 villages for the socio-economic upliftment of the families. More than 100 men and women from these nearby villages are working as employees of the University. A glimpse of activities conducted by the NSS, NCC and Legal Aid Cell are as follows:

- **Legal Aid Camp:** Legal Aid Camps are regularly organized under the supervision of the Department of Law for counselling and advising them on legal problems. Legal Aid Camps, in collaboration with local subordinate judiciary and local administration, are held in the villages. In such camps, matrimonial disputes and disputes regarding petty offences are settled on the spot. The local panchayat and the elected members are taken into confidence before initiating such camps.

Specific information related to banking facilities available in the form of loans, awareness about cyber and mobile frauds are provided to the villagers. The settlement process offered by the banks for recovering the non-performing loans is provided. In addition, awareness programmes about government schemes such as Ujjwala Yojana, Pradhan Mantri Mudra Yojana-PMMY, Pradhan Mantri Kaushal Vikas Yojana- PMKVY are provided to the nearby residents.

- **Covid Immunization Camp:** The NSS unit of SRMUH provided support to the COVID-19 immunization camps organized at PRIMSR. Faculty, staff and people from nearby villages were vaccinated in the camps. During the event, the NSS team helped the medical staff in the registration

process, maintaining social distancing, distributing masks and giving necessary medical instructions after vaccination.

- **Swachta Pakhawada Celebration:** The NSS unit of SRMUH annually organizes *Swachta Pakhawada* at various locations including sports stadium of Gram Panchayat, Patla. NSS volunteers participate to clean the stadium.
- **Tree Plantation Drive:** To sensitize the students about the growing hazards faced by the environment, SRMUH annually organizes tree-plantation drive, in collaboration with the NCC unit of SRM-UH.
- **Participation in CATC (Combined Annual Training Camp):** Boy and girl cadets of the NCC unit of SRMUH participate in Annual Training Camps organized by 12 Hr Bn, Sonipat, Haryana. Cadets participate in various activities during the camp like shooting, drill competition, and social activities like cleaning drive, which is associated with cleaning the camping area by the cadets.

SRMUH understands its social responsibility towards healthcare, nutrition, sanitation, hygiene and equitable access to education and legal aid. It regularly conducts outreach programs to reach out to the maximum number of people in the adopted villages. The efforts of SRMUH are well-appreciated by the sarpanches of nearby villages.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 3.6.2 Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the last five years

**Response:** 180

#### 3.6.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
66	10	49	39	16

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copy of the award letters	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.6.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years****Response:** 75**3.6.3.1 Number of extension and outreach programs conducted by the institution those through NSS/NCC, Government and Government recognised bodies during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
22	8	13	15	17

File Description	Document
Reports of the event organized	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.6.4 Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years****Response:** 32.27**3.6.4.1 Total number of students participating in extension activities listed at 3.6.3 above year-wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
949	201	604	616	695

File Description	Document
Report of the event	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.7 Collaboration****3.7.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year**

**Response: 135**

**3.7.1.1 Total number of Collaborative activities with other institutions / research establishment / industry for research and academic development of faculty and students year-wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
291	90	47	145	102

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Copies of collaboration	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.7.2 Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.**

**Response: 17**

**3.7.2.1 Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research year-wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
9	1	3	3	1

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of the MoUs with institution/ industry	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

**4.1.1 The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.**

**Response:**

Infrastructure at SRMUH reflects future requirements of teaching and learning process. The Institution has sufficient infrastructure to support different programs, curricular and co-curricular activities. The infrastructure is built in accordance with the guidelines and norms laid down by various statutory authorities.

- **Classrooms:** There are 64 centrally air-conditioned ICT enabled classrooms of different capacity to meet the requirements of teaching and learning. The classrooms are well-furnished, ventilated, lighted with LEDs, and echo-free. The classes are conducted as per dynamic time table which ensures optimum utilization of resources. Every classroom has a notice board installed outside for display of classroom timetable and other important notices.
- **Seminar/Meeting Room:** For conducting meetings and conferences, the University has adequate number of seminar halls.
- **Auditorium:** The University auditorium is well-equipped having three hundred and fifty seating capacity. The auditorium is well-utilized for various academic events, co-curricular and extra-curricular activities, such as meetings, seminars, workshops, conferences, pre-placement talk, ceremonies, etc. An auditorium with cutting-edge technology having 800 seating capacity, is under construction in the new academic block.
- **Laboratories:** Advanced laboratories in diverse fields of study are set-up which include laboratories on emerging and industry relevant areas like Cyber Security, Blockchain, IoT, Web Development, and Mobile App Development. These laboratories cater to basic and advanced facilities for UG, PG, and Ph.D. coursework related experiments, project works and research work in the area of device modelling, simulation, and various aspects of advanced design. These laboratories also have advanced software such as EDA, MATLAB, CAD, CATIA, and VLSI for design and testing. The unique research laboratory for the discovery of new drugs, i.e., Centre for Drug Design, Discovery and the Development (C4D), has all the research facility including the animal house for the experimentation.
- **Moot Court:** Faculty of Law has a state-of-the art moot court facility.
- **Dry and Wet Laboratories:** There are well-equipped 46 dry and 16 wet laboratories at SRMUH. The Biomedical, Civil, Mechanical, Electronics and Communication, and Electrical laboratories have specialized and advanced equipment with high-end design software. Other important laboratories are Language Lab, Psychology Lab, Physical Chemistry Lab, Environment Sciences Lab, Material Sciences Lab, and Optics Lab, etc.
- **Learning Resource Centre (Library):** The University has two digitalized libraries with remote access facility, the Central Library and Law Library. The Central Library has 21,050 books, 2,22,349 online journals (8 online databases), 5 e-resources, 1,00,420 e-books, 1,579 reports, LIBSYS (Library Management Software), ERP, Turnitin, Ouriginal (Anti Plagiarism Software), self-checkout equipment and dropbox, 2 RFID, 49 print journals, 51 current magazines. The Library has well-equipped facility for Divyangjan, such as JAWS software. It has a reprographic unit which includes Scanner, Laminator, and Binding Machine (Strip and Spiral). The Law Library

has 4061 books along with SSC Online, LexisNexis and Hein Online databases and fulfils all requirements of BCI.

- **Computing Equipment:** There are a total of 672 desktops/laptops, and each department has printing facility. IT Hub is located in the Engineering Block for printing and photo-copying facilities. The entire campus is Wi-Fi enabled with internet bandwidth of 1 GBPS.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.1.2 The institution has adequate facilities for cultural activities, yoga, games and sports (indoor & outdoor); (gymnasium, yoga centre, auditorium, etc.,)

##### Response:

To ensure overalls personality development of its students, SRMUH has various facilities for sports, recreation and cultural activities. Both indoor and outdoor sports facilities, such as Basketball, Badminton, Chess, Cricket, Carom, Netball, Table Tennis, Volleyball, Football, etc. Focus on mental and physical health is taken care of by facilities of Yoga Centre, indoor and outdoor gymnasium. The auditorium and open air theatre provide a free space for students to undertake various cultural activities.

SRMUH participates actively in sports meets organized by AIU and other State, Regional and National competitions.

To inculcate discipline, social skills, perseverance, team spirit and to build everlasting bonds through sports among the junior and the senior students, SRMUH every year organizes an Annual Inter-Departmental Sports Meet “**SAMAVESH,**” which provides a platform to all the students for showcasing their sporting skills.

At SRMUH, we encourage students and staff to take advantage of sports infrastructure which in turn helps them to develop their self-confidence and self-esteem. The robust sporting infrastructure provides a vibrant atmosphere for students and staff to explore their potential, learning team spirit, accepting failures, managing varied emotions, making lasting friendship, and improving interpersonal relationship. Students from SRMUH have participated in Inter-Institute, Inter-University, State, National, and international level competitions. One of our students (*Nitish Dahiya*) scaled four highest peaks of the world including Mt. Everest. The University also encourages sports by providing fee concessions and sports scholarships.

- **Sports Facilities:** The University has following sports facilities:

Sl. No.	Facilities	Specification	Area/Size	Year establishment of	user rate (monthly average)
1	Volleyball Court	Outdoor	2 Courts	2015	18.5
2	Basketball	Outdoor	1 Court (Cemented)	2015	20.5
3	Netball	Outdoor	1 Court	2017	15
4	Cricket Pitch	Outdoor	1 (Grassy)	2015	16.5
5	Cricket Practise Net	Outdoor	3 (1 cemented & 2 Grassy)	2017	18.5
6	Football (7 a side)	Outdoor	1 ground	2015	15.5
7	200M Running Track	Outdoor	4 lane track	2015	17.25
8	Badminton Court	Indoor	1	2018	16.25
9	Carrom	Indoor	10	2015	15
10	Chess	Indoor	7	2015	14.25
11	Table Tennis	Indoor	4	2015	18
12	Gym	Indoor	Dumbles- 10kg, 15kg, 1kg, 2.5kg, 7.5kg	2017	47.25
13			Dumple Rack - 1		
14			Functional machine-1		
15			Multi Adjust Bench-1		
16			Olympic Bar - 4ft, 6ft		
17			Vertical Knee Raise-1		
18			Weight Bench-1		
19			Weight Plates- 2.5kg, 5kg, 7.5kg, 10kg, 20kg		
20	Yoga Hall	Indoor	20 mats at a time	2015	150

The facilities for indoor games like Table Tennis, Badminton, Carrom, etc. are also provided in hostels.

- **Yoga and Meditation Centre:** The University has a Yoga and Meditation Centre. Every year International Yoga Day is celebrated to create awareness about the benefits of yoga. Yoga is an integral part of our curriculum.
- **Indoor and Outdoor Gymnasium:** The University has a well-set up indoor and outdoor gymnasium with modern facilities.
- **Cultural Events:** The University organizes PRISMA, an annual cultural fest with great fervour and zest. The event gives an opportunity to students to unfold their talent and skills in music, drama, fashion, photography, singing, dancing, art & craft, and literature. It invites participation from other academic institutions. The respective departments also organise cultural events.



File Description	Document
Upload any additional information	<a href="#">View Document</a>
Geotagged pictures	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.1.3 Availability of general campus facilities and overall ambience

##### Response:

SRMUH is set in sylvan surroundings with a clean and green sprawling campus spread over 47.38 acres. The campus has a well-designed architectural layout and is situated amidst lush green farm fields. The trees and flowering plants which adorn the University campus provides it an aesthetic ambience and pollution free environment. The University has a dedicated maintenance department functional on all days to oversee maintenance of buildings, classrooms, laboratories, hostels, cafeterias, sports facilities, utilities, lawns, etc.

- Being conscious of its environmental conservation responsibilities SRMUH aligns its infrastructure development with the principles of sustainable development. Single-use plastic is discouraged on the campus and it is a smoke-free campus.
- For energy conservation, the University has 100 kW solar roof-top panels installed in the engineering block and sensor-based LED bulbs for energy conservation. The University also has a rainwater harvesting system for conservation and recycling of water.
- The University discourages use of vehicles inside the campus and promotes use of bicycles and battery-powered vehicles, readily available at the main gate. It has dedicated parking for buses and official vehicles.
- Hostel facilities are available on the campus, for boys and girls and staff. The hostels are equipped with facilities like mess, Wi-Fi, cafes, gym, vending machines, indoor games, etc.
- Medical facilities are available for everyone, which includes 24x7 access to medical aid and ambulance service. PRIMSR hospital is located within the campus which has OPD in different specializations, such as ENT, dental, eye, orthopaedics, paediatrics, women and child health, and general medicine. Hospital also provides with X-ray and bio-chemistry lab facility. There is also a **Pradhan Mantri Jan Aushadhi Kendra** which provides affordable generic medicine.
- Other in-house amenities include ATM, a dedicated Powerhouse, UPS and DG sets for uninterrupted power supply, RO Plant, separate common rooms for girls and boys, reprographic services, tuck shops and psychological counselling centre.
- CCTV Cameras are installed all over the campus for keeping the campus secure and safe. Well planned Fire Fighting System and fire alarm system are available at the campus.

The campus has six air-conditioned buildings dedicated to academics and administration. The Faculty of Law houses the University auditorium and the Law Library. The administrative block houses offices of the Chancellor, Vice-Chancellor, Registrar, HR Department, Admission Cell, Accounts and Finance Department, etc. The University has Central Library, Department of Hotel Management & Catering Technology, and the Engineering Block houses the Faculty of Engineering and Technology, the Faculty of Science and Humanities and the Faculty of Management. The buildings are well equipped with adequate lighting, ramps, Wi-Fi, elevators, drinking water and washrooms for faculty and students. The

infrastructure has facilities to sanitize and deal with the situations COVID-19 effectively.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.1.4 Average percentage of expenditure for infrastructure augmentation excluding salary during the last five years (INR in Lakhs)

**Response:** 40.13

##### 4.1.4.1 Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
881	591	1229	621	946

File Description	Document
Upload audited utilization statements	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

### 4.2.1 Library is automated using Integrated Library Management System (ILMS) and has digitisation facility

**Response:**

SRMUH library services have been fully automated through Library Management System Software (LIBSYS) and Radio Frequency Identification (RFID) technology. Self-check kiosk, security gate, and self-drop box facility is in place to save the time of the users. CCTV surveillance, fire detection alarms are fixed to protect the resources. Books are vacuum cleaned once a month and pest control is done regularly. All library housekeeping jobs are being rendered through LIBSYS such as the Reference Section, Circulation Section, Audio-Visual section, Periodical Section, acquisition, cataloguing, circulation, serials, article indexing, and vendor portals along with an enriched Online Public Access Catalogue (OPAC).

The Central Library has 21,050 books, 2,22,349 online journals (8 online databases), 5 e-resources, 1,00,420 e-books, 1,579 reports, LIBSYS (Library Management Software), ERP, Turnitin, Ouriginal (Anti

Plagiarism Software), self-checkout equipment and dropbox, 2 RFID, 49 print journals, 51 current magazines. It has a reprographic unit which includes High-End Scanner, Laminator, and Binding Machine (Strip and Spiral). The Law Library has 4061 books along with SSC Online, LexisNexis and Hein Online databases and fulfils all requirements of BCI. The library is a member of DELNET, INFLIBNET, e-Shodh Sindhu, Shodh Ganga, STEL and NDL.

The Library has well-equipped facility for the *Divyangjan*. Latest electronic devices like JAWs talking screen reader for the blind, Type Ability Talking PC Keyboard, ZoomText screen magnifier and Angel India Online Daisy player are available for partially and totally blind persons is available in the library. Library is also having state-of-the-art reprographic room for the facility of photocopy, strip binding, lamination, comb binding and heavy-duty scanner. Library extends 24x7 remote access of its digital recourses to its user through VPN. This facility proved to be a boon to provide seamless access to its users during the lockdown period due to COVID-19 pandemic.

The Law library has 4397 books and includes subscription to Law e-journals like SCC online, Hein online, AIR journal. It has a separate computer lab for accessing online data resources, full set of Supreme Court case files with yearly Supreme Court Digests and quality books on all law related subjects.

The University being a member of National Digital Library of India (NDLI), the users can access NDLI after registering in the club and browse 7,23, 00,360 resources including South Asia Archive and World e-books Library.

Library has provision for both individual and group studies providing opportunities for interaction, discussion, and self-studies. Adequate space is provided for browsing and relaxed reading as well. Library is equipped with adequate number of sign boards, displays and bay guides for the convenience of the users. The library organizes user awareness programmes about the resources and services of the library for the new comers at the beginning of every academic year and periodical training programmes and product presentations are organized with subject experts for enlightening the users. Library user manual is available on the website. In addition, the University is planning to allocate more space to the library in the new building under construction.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### **4.2.2 Institution has access to the following: 1. e-journals 2. e-ShodhSindhu 3. Shodhganga Membership 4. e-books 5. Databases 6. Remote access to e-resources**

**Response:** A. Any 4 or more of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

**4.2.3 Average annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)****Response:** 70.2

4.2.3.1 Annual expenditure for the purchase of books and journals including e-journals year-wise during last five years (INR in Lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
69	67	93	59	63

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**4.2.4 Percentage per day usage of library by teachers and students ( foot falls and login data for online access) during the latest completed academic year****Response:** 27.27

4.2.4.1 Number of teachers and students using library per day over last one year

Response: 686

File Description	Document
Details of library usage by teachers and students (Library accession register, online accession details to be provided as supporting documents)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**4.3 IT Infrastructure****4.3.1 Percentage of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities. (Data for the latest completed academic year)****Response:** 93.15

4.3.1.1 Number of classrooms and seminar halls with ICT facilities

Response: 68

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.3.2 Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility

##### Response:

SRMUH has a comprehensive IT Policy covering all its stakeholders. The IT Policy includes strategies relating to procurement of IT Gadgets/Devices, IT service management, information and network security, internet and social media, Inventory asset management, and Ticketing Support system, Learning Management System and Green IT. The main objectives of the policy are to facilitate efficiency, integrity and availability of IT resources across the infrastructure, as well as compliance with applicable privacy policies and government regulations.

SRMUH continually upgrades its hardware and software to keep up with the latest trends of the technology for teaching-learning needs. Budgetary provisions for IT enhancement, up-gradation, and maintenance of IT infrastructure including investments in Green IT hardware and software.

There are 672 computers/laptops available with latest configuration of Apple, DELL, Lenovo (Intel Core i7, Core i5, and Core i3), Servers & SAN Storage, surveillance system and networking devices including switches, routers. Old computers/Laptops are discarded and the new ones with latest configurations are added every year. Following is the detail of computing facilities

- 65 computers of APPLE (iMac 3.4 GHz Quad Core Inter Core-i5) in 2018.
- 2 Dell PowerEdge R 540 Server, 2 IBM System x 3650 M4 Server
- 372 Desktop in Lab (Lenovo V330, V310Z, P320, Edge72z, M73z, Edge 71z, 73z) (Core i7, Core i5, Core i3)
- 26 Dell Precision 3630 Tower CTO Based Workstation computers.
- 65 Laptops of Lenovo (Intel Core i5, Core i3)

SRMUH has licensed proprietary software including MS WINDOWS SERVER STD 2012 OLP NL (A.E.) 2PROC, MS WINDOWS 8 PRO (A.E.) UPGRADE OLP NL, MS OFFICE PRO PLUS 2013 (A.E.) OLP NL, Kaspersky End Point Security, CorelDraw Graphics Suite, Adobe Creative Cloud, MATLAB R2016b, Fortune Next 7.0 Professional Web Centric LSEase Software on Cloud (LIBSYS -Software) (Annual Subscription) JAWS Talking Screen reader for the Blind and Type Ability Talking PC Keyboard Trainer

for the Blind Zoomtext Screen Magnifier for Partial Blind, Orell Talk etc. in addition to the open source software.

There are nearly 68 IT enabled classrooms and 16 computer labs. Over 1000+ LAN Points were augmented across the campus computer labs and office spaces; the campus backbone network was upgraded from 300 Mbps to 1 GBPS backbone. Nearly 120 Wi-Fi Network points were deployed across the campus in both academic blocks and hostels blocks. Details of the IT infrastructure are given as under:

- 1 Gbps of bandwidth for Internet 500 Mbps fibre optic Internet Lease line from Timbl
- 4 L3 Net gear/Avaya Switch M4300-24XF ProSAFE 24-port 10GBASE-X,7024XLS
- 53 L2 Netgear (S3300,52x), Avaya 3540GTS
- Avaya EPABX IP500v2
- SAN Storage Info trend GS1016 (65 TB)
- Unibox Wi-Fi Soft Controller (U1000)
- 120 Access Point of Wi-Fi Soft and Indigo
- 242 CCTV & Surveillance system of D-Link (10 NVR)
- HA Firewall (Fortinet 600E)
- Fully functional Biometric attendance system for staff and students.

F.Y.	2017-18	2018-19	2019-20	2020-21	2021-22	Total
Particulars						
Expenditure on IT enhancement, upgradation, maintenance of IT Infrastructure	82,93,825	1,64,07,379	5,24,916	4,36,65,632	19,26,125	7,08,17,877

The whole campus is Wi-Fi enabled, currently running on 2.4 and 5 GHz frequency. SRMUH has an HA Mode firewall.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.3.3 Student - Computer ratio (Data for the latest completed academic year)

**Response:** 3:1

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Student – computer ratio	<a href="#">View Document</a>

#### 4.3.4 Available bandwidth of internet connection in the Institution (Leased line)

**Response:** A. ?1 GBPS

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View Document</a>

#### Other Upload Files

1	<a href="#">View Document</a>
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#### 4.3.5 Institution has the following Facilities for e-content development

1. Media centre
2. Audio visual centre
3. Lecture Capturing System(LCS)
4. Mixing equipments and softwares for editing

**Response:** A. All of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Links of photographs	<a href="#">View Document</a>

### 4.4 Maintenance of Campus Infrastructure

#### 4.4.1 Average percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the last five years

**Response:** 29.88

##### 4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
650	450	788	732	596

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>

#### 4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

##### Response:

SRMUH has a well-established system for maintaining and utilizing physical, academic and support facilities. Since its establishment in 2013, many new constructions have come up on the campus premises, and many more are in the pipeline. Sufficient staff is deployed to maintain and ensure cleanliness and hygiene in the campus premises. The dedicated housekeeping staff at SRMUH ensure that the classrooms, laboratories, libraries, and moot court are cleaned and sanitized on a day-to-day basis. A dedicated maintenance team periodically maintains the air-conditioning and the physical infrastructure of the various spaces (academic and extra-curricular). Timely maintenance of the physical spaces such as the academic and administrative blocks in terms of painting, repair, sanitization, pest control, etc. are carried out on a regular basis.

##### Physical Facilities:

- *Sports Ground, Indoor Sports, and Gymnasium* - Proper guidelines and SOP are in place for availing sports infrastructure and for organizing sporting events. The sports complex has outdoor sports facilities such as football field, basketball and volleyball courts, cricket pitch/cricket practice net, a 200-meter running track and a net ball area. The sports facilities are regularly maintained and upgraded by the Directorate of Sports.
- *Cafeteria and Canteen* - The cafeteria and canteen are maintained by private vendors and the University monitors its functioning in accordance with contract agreement.
- *Green Campus* – It is one of the primary initiatives of the University and is taken care of by projects and the construction department. Proper guidelines and MoU are in place with regard to use of plastic and disposal of litter.
- *Vehicle Parking* - Spacious parking facility is available for buses, cars and two-wheelers and maintained by security personnel at the main gate.

##### Academic Facilities

- *Central Library* - The library manual defines all rules and regulations pertaining to usage. The reading resources (both electronic and physical) are maintained in a good shape. The reading



resources are updated every academic year to meet the growing academic and industry needs.

- *ERP System* - ERP manual provides detailed instructions for the usage of various modules of ERP. Newly inducted faculties are provided with ERP usage training by the respective departments.
- *Learning Management System (LMS)* - The various functions of LMS are steered through the LMS manual for ensuring optimum utilization of its different features. IT Department maintains the same.
- *Departmental Libraries* - The SOP prescribes the purchase, distribution, and utilization of library books in the Department.
- *Auditorium, Conference Halls and Meeting Rooms* - They are well maintained by the University's Maintenance Wing, and it is made available to various stakeholders on request for conducting various events.
- *Moot Court* - Simulated court for arbitration/proceedings is maintained by Law Department.
- *Classrooms* - For ensuring security, safety and maintenance of discipline, the hallways are also equipped with CCTV cameras. For each classroom, hygiene and cleanliness is maintained by the housekeeping staff which is directly under the supervision of Administration.
- *Laboratories and Research Labs* - Heads of the Departments ensure that the laboratory equipment is maintained and upgraded at regular intervals. The Information Technology Knowledge Management (ITKM) policy provides the by-laws for maintenance and upgradation of IT gadgets/equipment for laboratories. Each laboratory has at least one lab assistant who is in-charge of the maintenance of the equipment/devices and the maintenance of records (academic and equipment).

### Support Facilities

- *IT Support* - The use of IT infrastructure is governed by ITKM policy. The policy oversees the optimum utilization of IT infrastructure and prevents any misuse. The IT team ensures that the digital devices (laptops, desktops, projectors etc.) are updated on a regular basis and the ITKM wing also ensures that the devices purchased are of standard configuration.
- *Transportation Facility* - There is a transport manager who is responsible for maintenance of a fleet of buses plying on various routes. There is a well-defined transport policy for all vehicles.
- *Hostel Accommodation* - This air-conditioned facility is well maintained by the hostel manager. There are hostel wardens to entertain the grievance, if any. Lifts are regularly maintained through AMC. There is a common mess at the hostel and is being managed by the Mess Committee.
- *Power Back-Up* - The adequate power backups are maintained through AMC.
- *Guest House of the University* - It is maintained by the Administration staff with well-defined procedure for availing accommodation.
- *ATM* - The ATM facility is provided to the employees of the University and is being maintained by the Federal Bank.
- *Electricity and other Physical Amenities* - Maintenance is carried out regularly as per schedule/requirement by the office of Project Manager. SRMUH has various equipment like, Electrical Transformers, Data Centres, UPS, fire extinguisher, CCTV, Audio system, Digital Camera and Inverters, Fire alarm System, Sewage Treatment Plant, Kitchen equipment, water purifier, etc. Optimum working condition of all assets/ equipment on the campus is ensured through annual maintenance contract (AMC). Regular cleaning of water tanks, proper garbage disposal, pest control are done by dedicated teams.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

**5.1.1 Average percentage of students benefited by scholarships and freeships provided by the institution, Government and non-government agencies (NGOs) during the last five years (other than the students receiving scholarships under the government schemes for reserved categories).**

**Response:** 31.97

**5.1.1.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**

2021-22	2020-21	2019-20	2018-19	2017-18
1135	818	666	464	201

File Description	Document
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.1.2 Average percentage of students benefited by career counseling and guidance for competitive examinations as offered by the Institution during the last five years.**

**Response:** 86.82

**5.1.2.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
2116	1781	1760	1625	1201

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.1.3 Following Capacity development and skills enhancement activities are organised for improving students capability 1. Soft skills 2. Language and communication skills 3. Life skills (Yoga, physical fitness, health and hygiene) 4. Awareness of trends in technology**

**Response:** A. All of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link to Institutional website	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.1.4 The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases 1. Implementation of guidelines of statutory/regulatory bodies 2. Organisation wide awareness and undertakings on policies with zero tolerance 3. Mechanisms for submission of online/offline students' grievances 4. Timely redressal of the grievances through appropriate committees**

**Response:** A. All of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View Document</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 5.2 Student Progression

**5.2.1 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)**

**Response: 95.39**

**5.2.1.1 Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
32	12	4	4	1

**5.2.1.2 Number of students appearing in state/ national/ international level examinations (eg: IIT/JAM/ NET / SLET/ GATE/ GMAT/CAT,GRE/ TOEFL/ Civil Services/ State government examinations) year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
33	15	4	4	1

File Description	Document
Upload supporting data for the same	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

**5.2.2 Average percentage of placement of outgoing students during the last five years**

**Response: 69.18**

**5.2.2.1 Number of outgoing students placed year - wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
359	320	323	311	191

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Self attested list of students placed	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### 5.2.3 Percentage of student progression to higher education (previous graduating batch).

**Response:** 20.24

#### 5.2.3.1 Number of outgoing student progressing to higher education.

**Response:** 102

File Description	Document
Upload supporting data for student/alumni	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 5.3 Student Participation and Activities

**5.3.1 Number of awards / medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) during the last five years.**

**Response:** 144

**5.3.1.1 Number of awards/medals won by students for outstanding performance in sports / cultural activities at inter-university / state / national / international events (award for a team event should be counted as one) year - wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
40	0	50	43	11

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of award letters and certificates	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### 5.3.2 Presence of Student Council and its activities for institutional development and student welfare.

#### Response:

SRMUH considers its students as the most important stakeholders. SRMUH Student Council is the apex body representing the student community and serves as a link between the administration and the students. It also serves as a single point of communication for students with various stakeholders. Besides, it ensures coordination and effective functioning of all the student bodies at the University.

Formal student elections, as per the recommendation of *Lyngdoh Committee*, are not allowed in the State of Haryana. However, SRMUH firmly believes in participative management and involvement of students in academic administration. Accordingly, SRMUH has constituted a Student Council based on a class-representative system.

- **Class Representative System:**

Two class representatives (CRs) are appointed from each class consisting of a boy and a girl. CRs are nominated by inviting voluntary nominations from the students and are selected by consensus.

Regular meetings with CRs are held by the class coordinators. The HODs meet all the CRs once a month and the Deans have a meeting as per the requirement. The CRs provides continuous feedback about the teaching, learning and overall functioning of the University periodically.

- **Participation of students in administrative bodies / committee**

Students are active members of the various clubs and committees and play a decisive role. They are members of the University Disciplinary Committee, Anti-Ragging Committee, Hostel Discipline Committee, Mess Committee, IQAC, etc. They also take active part in various outreach programs like tree plantation drives, awareness workshops for nearby villages that help the University improve and maintain its working relations with other institutions of repute in the country.

The students plan various activities like '*Prisma*' - an annual technical-cum-cultural fest, '*Aagaaz*' - the fresher's party for the first-year students. These events ensures maximum engagement on the part of students and motivates them. The following are the societies of the University-

- Dance Society - *Panache*
- Drama Society - *Aabhas*
- Music Society - *Tarang*

- Arts Society - *Kalakaksh*
- Literary Society - *Meraki*
- Photography Society - *Theia*
- Gaming Society - *Duality*
- Fashion Society - *Fashion Nova*

The students from various clubs have represented the University at various regional, state, and national forums like World University of Design, National Law Universities, IIT Roorkee, etc. which has contributed in their personality development. The students also function as ambassadors of the University and help in creating a sense of clarity about the goals that the University is pursuing. The student representation in various committees also takes care of the infrastructural needs of the students and provide the management consistent feedback on the ways to cater to the expectations of the students. It ensures that the best practices and institutional policies of the University are implemented.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### 5.3.3 Average number of sports and cultural events / competitions organised by the institution per year

Response: 20.2

#### 5.3.3.1 Number of sports and cultural events / competitions organised by the institution year - wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
12	3	23	31	32

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Report of the event	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 5.4 Alumni Engagement

### 5.4.1 The Alumni Association / Chapters (registered and functional) contributes significantly to the



**development of the institution through financial and other support services.****Response:**

SRMUH Alumni Association (SRMUHAA) is a registered Alumni Association that functions to instil a feeling of solidarity amongst those who have graduated from the University and foster reciprocal relationships among the graduated students that will last a lifetime. The Alumni Association acts as a link between the 'Alma Mater' and the 'Alumni' in providing a platform for interaction between Alumni, Students, and Staff. There is an election held to appoint the office bearers of the Alumni Association in a fair and transparent manner. Alumni Meet is regularly organised to stay connected with the University and help drive philanthropic initiatives, co-curricular, extra-curricular and networking events of the University.

SRMUHAA plays a key role in the enhancement of the University's outlook by their active engagement and financial support. They serve as the ambassadors of the University. Alumni have an impactful contribution to the culture of the University at both academic and non-academic level through the following initiatives:

- Act as a mentor to the SRMUH students for their development
- Deliver talks, lectures and be part of different seminars and conferences at the University
- Help in conducting mock interviews and guidance program for the students before their placement
- Inform and coordinate with SRMUH Training and Placement Cell about professional opportunities like internships, jobs, etc. that may come up in their organization for the benefit of final year students
- Provide guidance and knowledge to those students who wish to opt for higher education in India or abroad
- Conduct entrepreneurial mentoring sessions and guiding students for competitive exams

In return of their contribution and support, the following benefits are extended to SRMUH alumni:

- SRMUH newsletter is shared regularly with the life time members.
- Invitation to alumni meetings at the University.
- Invitation to attend all industry talks by reputed speakers
- Invitation to be a part of PRISMA, SRMUH annual cultural fest, and other similar cultural activities.
- Function as visiting/guest faculty for the students.
- Opportunity to use the resources of the University like library, computer laboratory and internet services. They are also welcomed to celebrate important events.
- The alumni collaborate with the University for research and projects.
- Scholarships for further studies in the University.

The University takes considerable pride in various accomplishments of its alumni, who have upheld the values and ethos of the University and act as flag bearers of SRMUH.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

#### 5.4.2 Alumni contribution during the last five years (INR in Lakhs)

**Response:** A. ? 100 Lakhs

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for any additional information	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

**6.1.1 The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance.**

**Response:**

The vision and mission of the University is clearly stated. The University's vision and mission statements give a clear perspective to academics, governance, administration, and day to day functioning. The University has adopted a system of experiential learning which enables transfer of theoretical knowledge to the real world and further empowers the students with decision-making and problem-solving abilities. The University follows the CBCS pattern, interdisciplinary and holistic curriculum, industry-academia partnership across all the disciplines and further it is in the process of implementation of NEP 2020.

In continuation with the principles laid down in its vision and mission, the University aims to achieve significant development in all fields in coming years. Keeping in view the evolving areas of knowledge and research, the University aims to diversify its programs and departments. SRMUH has already implemented key concepts of Industry 4.0 in its curriculum and is well on the path of integrating some of the concepts of industry 5.0 as well. Some of the concepts of Industry 4.0 are reflected in various specializations offered in the M.B.A and B.Tech. programmes like Blockchain, Internet of Things, DevOps & Automation, Artificial Intelligence, Machine learning, and Cloud Computing.

To provide impetus in various areas of research, the University has established various Centres for Excellence and collaborations. SRM-Siemens Centre for Excellence (SSCoE) promotes advancement and implementation of Product Lifecycle Management (PLM), and advance digital manufacturing-factory concepts through research and education in partnership with the industry including MSMEs. The Bosch-Centre for Collaborative Research has led to strengthening of Industry-Academia Collaboration for Skill Development (IACSD) and capacity building programmes like MSME and skill development for youth. Apart from this, the Centre for Drug Design, Discovery & Development (C4D) works actively in the discovery of new drugs against neglected and emerging infectious diseases. Significant research has also been carried out for COVID-19 drugs, related to the process of immunomodulation for blocking the attachment of virus with its target cells. The proposed drug combination shall be effective against viral infection. Additionally, in the domain of science and technology, rigorous research is going on for the optimal balance of efficiency and productivity through the application of IoT and Big Data.

For effective governance and functioning, SRMUH has fostered a system of participatory management and inclusive governance. All stakeholders are given a platform to express their opinions and accordingly reforms and changes are carried out. The structure of governance is characterized by a process of openness, transparency, and inclusiveness. Its administrative functioning is governed by well-defined policies and adherence to professional norms. The various statutory bodies such as the Board of Studies, Academic Council, Finance Committee, Board of Management, and Governing Body oversee the academic and administrative functioning of the University in a transparent and decentralised manner. The various committees comprising of internal and external stakeholders/experts drive the University policies and processes, and work closely with the Internal Quality Assurance Cell (IQAC) of the University.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### **6.1.2 The effective leadership is reflected in various institutional practices such as decentralization and participative management.**

#### **Response:**

One of the foremost priorities of SRMUH is to work towards a holistic development of its students and employees. Decentralization of power, flexible approach and participative management are considered as the best method to achieve this objective. Various committees set up at the University level, is an example of how responsibilities and rights are shared equally and leadership quality is inculcated amongst everyone.

The successful functioning of an academic institution is achieved through a symbiotic relationship that exists amongst the stakeholders. This symbiotic relationship is established, maintained, and enhanced through the various statutory and non-statutory bodies. The Statutory Bodies of the University comprise of Board of Studies, Academic Council, Finance Committee, Board of Management, and Governing Body which oversee the functioning of the University.

#### **Institutional Practices Reflecting Effective Leadership:**

- An action plan is drawn for various academic and administrative initiatives.
- Authority (within statutory bodies) is not confined or vested in any one individual, rather it is decentralized and members of the University at different levels play a vital role in building second-line of leadership.
- The participation of various stakeholders like students, faculty, employer, alumni and parents to ensure inclusivity, transparency and accountability.

#### **Delegation of Authority:**

To maintain a streamlined and transparent administration, the Deans of respective faculties delegate authority to respective Heads of Department/Program Coordinators thereby paving the way for timely implementation of goals. This process also helps the institution to build a team of second-line functionaries.

**Decentralized Decision Making:** All the non-statutory committees of the University have representation of external members which helps in fair decision-making and timely action. The power and authority vested within a non-statutory body are evenly distributed amongst its stakeholders.

**Participative Management:** There is a well-defined organizational structure. The leadership provides clear vision and mission to the institution. All the employees are integral part of implementation of the policies, procedures, and framework designed by the management in order to maintain and achieving the quality standards, vision and mission of the University. The students are also involved in the management process through various student and faculty led committees. The following institutional practices are in

place:

- The Vice-Chancellor frequently addresses the faculty and staff to keep them informed of new policies and developments within the administration.
- Periodical meetings with Heads/Deans are chaired by the Vice-Chancellor for collective decision making.
- The various Departments and Centres have periodical meetings for a synchronized functioning.
- Regular feedback is taken from all stakeholders.
- Participative management is adopted to manage administrative/academic tasks.

**Statutory Bodies:** All the statutory bodies of the University, i.e., Board of Studies, Academic Council, Finance Committee, Board of Management, and the Governing Body, have a well-defined roles, responsibilities and functions, which ensures transparency and accountability. The various statutory bodies are involved in

- Planning, monitoring, and supervising the various academic systems of all the departments.
- Introduce innovations in teaching, learning and evaluation.
- Introduce additional infrastructure facilities required to strengthen the departments for the changing needs, curriculum revision or introduction of new programmes/courses.
- Evolve processes for aligning academic with industry needs.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1 The institutional Strategic plan is effectively deployed.

#### Response:

SRMUH has a Strategic Plan for implementing key features of NEP 2020. The University also focuses on the future needs of the industry and envisions to expand and strengthen the following areas:

- IT and Research Infrastructure
- Academic Infrastructure
- Learning Resource Centre and Knowledge Management
- Quality Assurance
- Academic Delivery
- Collaboration with the industry

Out of these, one successfully-deployed plan for holistic development is **Academic Delivery**.

## **Multi-Disciplinary Approach**

The University ensures a congenial and academically enriching ambience for the students and faculty where students may be benefitted by holistic and multidisciplinary/interdisciplinary approach. The curriculum balances scientific, vocational, professional ethics and human values. In addition, courses on soft skills and humanities ensure increased creativity.

## **Program Specific Courses**

Integration of Program Specific Courses creates an opportunity for experiential learning and create an opportunity for students to face real life situations and to excel in the specialized domain. Program Specific Courses help the students to take up higher studies and further research.

## **Live Projects and Internships:**

Keeping in mind the philosophy of NEP 2020, majority of programs at SRMUH have introduced live projects and internships from second semester onwards. The live projects and internship programmes follow the objectives of UGC, i.e., to enhance the employability prospects and develop research aptitude of the students. The students from SRMUH undertake internships and live projects in industry, governmental and non-governmental organizations.

## **Centre of Excellence**

The SRM-Siemens Centre of Excellence (SSCoE) and academia collaboration with BOSCH provides the students a platform wherein they can learn and use Product Lifecycle Management (PLM) software.

## **Centre for Innovation, Incubation and Entrepreneurship (CIIE)**

CIIE aims to provide a platform for nurturing and encouraging innovation and entrepreneurial skills among the students, faculty, and alumni. To explore optimal development opportunities available to students and faculty, CIIE provides a platform to explore the frontier areas of innovation, incubation and entrepreneurship. This centre also supports the Startup India and Make in India missions.

## **Collaborative courses with industry – Xebia/IBM/TCS:**

The University has affiliated courses with IBM, Xebia and TCS to provide its students with access to an industry-oriented education which emphasizes on practical application of knowledge. The lectures are delivered by industry experts and other benefits include Digital Badges, Hackathons, Webinars, Professional networking, Internships, Tech Talks etc.

## **Usage of ERP- Academic Module:**

The ERP system at the University automates various areas of student life cycle, i.e., administration, examination, and finances which are accessible to various stakeholders. The academic module of ERP also helps the faculty to keep track of student's attendance and performance during the semester. The students and parents can also keep a track of academic records such as attendance, results, and so on in ERP.

## **Moot Court**

Department of Law conducts co-curricular activity, for its students to discuss case studies, the relevant laws, present their arguments and prepare relevant legal documents in simulated court proceedings. Recently, the University conducted Stetson Moot National Rounds.

File Description	Document
Any additional information	<a href="#">View Document</a>
Strategic Plan and deployment documents on the website	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules and procedures, etc.

#### Response:

SRMUH follows a transparent method for effective and efficient functioning of the institutional bodies and academic activities. All efforts are channelized towards maintaining a system where academic and research-oriented goals may be achieved effectively. University has an organisational structure which takes care of the two important sections of the organization, i.e., academic and administrative. The managerial and financial decisions are made by the Board of Management and the Finance Committee respectively. The Governing Body is the final decision-making authority. The decentralised governance system further empowers the various statutory bodies to decide upon day-to-day academic administration.

All academic decisions are routed through the Board of Studies and Academic Council. The administrative set-up consists the following:

- The **Governor of Haryana**, by virtue of his office, is the Visitor of the University and presides over the convocations.
- **Chancellor** is the Head of the University, presides over the Governing Body and functions in accordance to the powers conferred upon by the Statutes.
- **Vice Chancellor** is the Chairperson of statutory bodies, i.e. Academic Council, Finance Committee and Board of Management. He is also the Principal Executive and Academic Officer of the University.
- **Registrar** is the ex-officio Member-Secretary of the Governing Body, Board of Management, and the Academic Council and is responsible for signing all documents and records on behalf of the University.
- **Dean Academic Affairs** is responsible for coordinating and supervising the admission process, arranging suitable academic infrastructure and facility along with maintaining academic standards for academic delivery and research activities of the university.
- **Director Administration** is responsible for overall administration and administrative control of the University.
- **Deans of Respective Faculty** are responsible for overall academic and research supervision of the faculty, observing the statutes, the ordinances, and the regulations of the University.
- **The Controller of Examinations** is responsible for smooth conduct of examination in a disciplined

and efficient manner by implementing the strict code of conduct of examination in accordance with the ordinance and statutes of the University.

- **The Chief Finance and Accounts Officer** is responsible for maintenance of financial records and expenditure in accordance with rules and regulations.

### Appointment and Promotional Policies

SRMUH considers its employees as a vital force and maintains absolute transparency on all fronts right from the recruitment to leave policy and such others. The importance given to transparency and excellence is highlighted in its recruitment policy and appraisal policy for teaching and non-teaching staff. Employees are recruited on merit and in accordance with UGC guidelines. Employees are provided with an orientation on their joining and time-to-time induction on various policies is conducted as and when required.

### Service Rules and Procedures

The terms and conditions of service of the employees of the University are governed by the laid down Service Rules. There are various statutory committees and cells, such as Grievance Redressal Committee, Disciplinary Committee, Anti Ragging Committee, Internal Committee (POSH), etc. which ensures employee welfare and smooth functioning of the University. The University provides statutory benefits to its employees like maternity leave, gratuity etc., as per norms.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link to Organogram of the University webpage	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 6.2.3 Institution Implements e-governance covering following areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

**Response:** A. All of the above



File Description	Document
Screen shots of user interfaces	<a href="#">View Document</a>
ERP (Enterprise Resource Planning) Document	<a href="#">View Document</a>
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### 6.3 Faculty Empowerment Strategies

#### 6.3.1 The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff .

##### Response:

SRMUH has a well-defined and structured performance appraisal policy for its employees for a fair and transparent appraisal. It includes both holistic overview and an objective approach towards performance of employees. It helps to assess application of knowledge, ability to perform, handle responsibilities at work and demonstrate skills and ability to complete the task. Due weightage is given to various areas of contribution such as teaching, research, training, consultancy, and administration.

The University assesses the efficiency of the employees and at the same time allows employees to introspect their performance. This helps to recognize talent and skills of the employees and support them for skill and career development.

##### Performance appraisal system for Teaching Staff:

Performance appraisal system for teaching staff is as per the policies for regularization of staff, timely increment, incentives, leave facilities and promotion. All teaching as well as non-teaching staff are given increment, promotion based on their performance appraisal. Each faculty submits a self-appraisal report that includes teaching experience, academic performance indicators, assessment and evaluation, academic results/learning outcomes, innovative pedagogy or innovation methodology, remedial support to weak students, value-added topics, student feedback, research, project, conference attended/paper presented, consultancy and patents, academic-administrative activities, participation in educational programs, professional development activities and professional memberships of national/international bodies.

Based on the performance, appraisal analysis is done by a committee constituted by the Vice Chancellor and thereafter recommendation for incentive and/or promotion is finalized. The employees who do not fulfil the requirements are counselled and trained to attain the required competencies.

Research Policy and revenue sharing schemes for consultancy and other assignments, seed money for research projects, differential teaching load to let one choose his/her area of work, work-from-home facilities, norms for travel and other allowances, academic allowances, conference allowances, perks and perquisites, on-campus accommodation are some of the incentives that help faculty and staff members in

performing to the best of their abilities.

**Performance appraisal system for Non-Teaching Staff:** Non-teaching staff is assessed on the basis of length of service, punctuality, work done, new initiatives undertaken, improvisation in the quality of work, and achievements. All non-teaching staff who have completed probation period can submit an annual self-appraisal form. Assessment is based on the rubric provided in the self-appraisal form which includes parameters like punctuality/ discipline, efficiency and proactiveness, knowledge and understanding, procedure and regulation of the University in general, teamwork, and trustworthiness. On the basis of the analysis of the Performance Appraisal Form, recommendations by the committee duly constituted by the Vice Chancellor, good performers are given financial incentives/appraisal as well as promotion.

**Welfare measures for Faculty and Staff:** The faculty is also encouraged for research through the provision of seed money and study leave. Monetary incentives are given for publication of patents, book, research papers, book chapters or for collaborative research with foreign universities. Other welfare measures for staff include subsidized medical consultation and medicines at PRIMSR hospital. The University provides statutory benefits to its employees like maternity leave, gratuity etc. as per norms.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

### 6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years.

**Response:** 8.43

#### 6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
17	7	7	12	14

File Description	Document
Details of teachers provided with financial support to attend conferences, workshops etc. during the last five years (Data Template)	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**Other Upload Files**

1

[View Document](#)**6.3.3 Average number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the last five years.****Response:** 53.6**6.3.3.1 Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
53	59	53	53	50

File Description	Document
Reports of Academic Staff College or similar centers	<a href="#">View Document</a>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course ).****Response:** 69.72**6.3.4.1 Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
83	97	85	106	101

File Description	Document
IQAC report summary	<a href="#">View Document</a>
Details of teachers attending professional development Programmes during the last five years (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

### 6.4.1 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

#### Response:

Financial prudence is followed in matters of Financial Management. The University Finance Committee plays a key role in ensuring the optimal utilization of resources. Funds are received from various sources like tuition fee, hostel fee, transport fee, CSR funds, research project grants, donations from alumni, revenue generated from consultancy provided by the faculty and funding received from non-government organizations. Grants are also received from reputed institutions like Siemens, Bosch for establishing SRM-Siemens Centre of Excellence and Bosch collaboration centre respectively. In case of CSR grants received, a separate ledger account is opened for each project to facilitate close monitoring and utilization of funds.

The Finance Committee thoroughly reviews the use of resources based on audit reports and the budget proposal. There is special emphasis on ensuring that money is spent for the purposes for which it is earmarked and within limits set by the Finance Committee. No expenditure, recurring/non-recurring, is incurred more than the limits fixed by the Finance Committee. Every year, annual accounts are prepared, audited and presented to the Finance Committee for adoption. Budget for the next year is also presented to the Finance Committee for discussion and approval. The University monitors cash flow statements at regular intervals for ensuring optimal utilization of financial resources.

#### Utilization of Resources

For utilization of funds, the process is kept transparent and streamlined with departmental level procurements executed through Purchase Committee. The recommendations of the committee are sent for approval of the Vice Chancellor through the Registrar.

- A significant portion of the revenue (58%) is spent on the salaries of teaching and non-teaching staff and their up-gradation.
- Maintenance of a clean and green campus is of prime importance and about 11% of revenue is spent on campus maintenance.
- Promotion of research among faculty members and research scholars is one of the key vital areas. Accordingly, 5.2% of revenue is spent for promotion of research.
- Admission outreach activities account for 15% of the revenue.
- Academic activities comprising of purchase of Lab equipment, consumable items, organizing

conference, seminar, Faculty development programs account for 10% of revenue.

- The University keeps a portion of its revenue in its annual budget for purchase of books, journals, laboratory equipment, stationary items, postage, printing and photocopy.
- Other expenses like travelling, vehicle maintenance, fuel expenses, repair and maintenance are also incurred from the annual budget.
- Various programs and events, celebration of national festivals, cultural events and other activities are organized spending 1% of the revenue.
- A separate head in the budget is allocated to sports and sporting events.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

#### **6.4.2 Funds / Grants received from government bodies during the last five years for development and maintenance of infrastructure (not covered under Criteria III and V ) (INR in Lakhs).**

**Response:** 1502.75

**6.4.2.1 Total Funds / Grants received from government bodies for development and maintenance of infrastructure (not covered under Criteria III and V) year wise during the last five years (INR in Lakhs).**

2021-22	2020-21	2019-20	2018-19	2017-18
1463.25	21.5	9	0	9

File Description	Document
Details of Funds / Grants received from government bodies during the last five years (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Annual statements of accounts	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

#### **6.4.3 Funds / Grants received from non-government bodies, individuals, philanthropists during the last five years (not covered in Criterion III and V) (INR in Lakhs)**

**Response:** 15780

**6.4.3.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
2348	3985	1330	6790	1327

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Annual statements of accounts	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

#### 6.4.4 Institution conducts internal and external financial audits regularly

##### Response:

SRMUH has a system of internal and external audits to ensure transparency and compliance with the objectives of the University. Financial transactions are done online through the ERP which makes the system efficient, fair, and transparent. Internal Audit Committee comprises of a team of professionals which undertakes continuous audit of monetary transactions of the University to ensure streamlined and error-free payments. All observations or queries raised by auditors are clarified from the concerned departments.

The following parameters are strictly monitored -

- **Statutory payment to government offices: (TDS, GST, Provident Fund, etc.):** Internal Audit Team members ensure that TDS, GST, Provident Fund, etc. is submitted on monthly basis and a report is filed as prescribed by law.
- **Salary payment:** The HR department submits the attendance data from biometric to the finance department. Based on this data, salary is prepared on ERP, the payroll is generated along with salary slips and statement for transfer of funds to bank for each individual.
- **Vendor's payment:** All payments of vendors are cross verified by three-way matching comprising of the purchase order, goods received note/service completion certificate/installation certificate and the invoice.
- **Fees payment by students:** The fee from students is collected through digital mode only. Accounts Department, in consultation with Director Admission/Administration/Registrar, collects the fees from the students as per the fee structure approved by the Finance Committee. The fee collected is updated on the student portal and each student/parent can verify their fee dues and payment made.
- **Monthly bank reconciliation:** A review of the bank reconciliations each month is conducted to identify any un-reconciled entries.
- **Voucher verification:** To rule out any inconsistencies, the accounts department periodically verifies bills, vouchers, bank statements along with other documents.

- **Physical verification of fixed assets:** ‘Committee for Assessment for Physical Assets for Inventory Process’ verifies the physical/fixed assets purchased and a report is submitted to Administrative Officer.

#### External audit process: -

The University has appointed an audit firm, i.e., *M/s B. Purushottam & Co. Chartered Accountants* to audit the books of accounts and prepare the financial statements as per norms defined by the Institute of Chartered Accountants of India. The audit firm deputes a team of well-qualified Chartered Accountants to scrutinize all transactions and their appropriateness. The external auditors critically review all the books of accounts and analyse the receipts and payments done according to the applicable auditing and accounting standards and statutes to ensure compliance with statutory and regulatory requirements. For any observation, the supporting documents are made available within the prescribed time limit. Precautionary steps are taken and rectification is done immediately when errors are pointed out by the audit team and due care is taken to avoid such errors in the future. The Finance Committee reviews the audit report in its meetings and the Board of Management is also apprised about the same. Thus, adherence to financial transparency is being maintained at all levels which ensure appropriate use of funds and properties of the institution.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## 6.5 Internal Quality Assurance System

**6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals.**

#### Response:

The Internal Quality Assurance Cell (IQAC) of SRMUH, is one of the foundational pillars of the University for quality assurance. The constitution and functioning of IQAC at SRMUH is in accordance with the guidelines of NAAC and UGC.

The IQAC oversees the functioning of all academic activities and is the driving force behind quality initiatives in academics, administration, research, student support, and governance. It holds meetings at regular intervals at faculty/departmental and University level. It has adopted 5 Qs policy across the University to ensure quality delivery which are:

- Quality intake
- Quality delivery
- Quality assessment & evaluation
- Quality outcome

- Quality placement

These 5 Qs are ensured and sustained by regular monitoring of feedback received from various stakeholders, its analysis and evaluation, followed by remedial action. Members of the IQAC regularly take feedback related to academic, co-curricular, research activities, campus life experiences, industry trends from different stakeholders. Further, the IQAC has developed the mechanism of supervising the academic activities through Monitoring, Evaluation, Follow-Up Performa (MEFP) filled by all faculty members of each Department. The MEFP contains details of classes, tutorials, attendance, teaching-learning process, internal evaluation, expert talk, industry visit, modules/units covered and gaps (if any) in conducting classes. This mechanism helps in keeping track of academic activities of each programme as well as taking timely remedial action to address challenges (if any).

The two best practices adopted by IQAC are:

### 1. Quality Academic Delivery through Academic Audit:

- The IQAC ensures regular revision of syllabus and introduction of new courses and programs as per demand. To be at par with the market needs and trends, it has introduced skill enhancement and value-added courses in all programmes.
- To enhance faculty development, IQAC conducts regular Faculty Development Programmes (FDPs), Management Development Programmes (MDPs), seminars, conferences, workshops, trainings, webinars etc.
- Industry-institute collaboration is strengthened through MoUs.
- Regular feedback from students and faculty is analysed and suitable action is recommended to address any challenge or growing concern.
- To acquaint the students with the functioning of the University, orientation program for existing and fresh students is conducted.
- It creates opportunities for identification of Lower Order Thinking Skills (LOTS) and Higher Order Thinking Skills (HOTS) and accordingly different learning opportunities for slow learners (Aspirants) and advanced learners (Performers) are suggested and implemented.
- For better academic and personal development of Aspirants it creates provision for mentor-mentee system.
- It also organizes lectures, training sessions, seminars, and special lectures by the industry experts.

**2. Experiential Learning:** Experiential learning is emphasized in every program and curriculum by engaging students in hands on activities, which enables them to apply theoretical knowledge acquired in the classroom to real-world situations. Experiential learning opportunities, exist in a variety of courses, include live projects, internships, industry visits, community service, service-learning through NCC and NSS, field / research projects, online training, game-based activities, capstone projects, etc. The outcome-based curriculum implemented at SRMUH and ensured by IQAC gives ample opportunities to students to engage in practical aspect of learning. The IQAC creates meaningful templates that stimulate concrete experiences.



File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**6.5.2 Institution has adopted the following for Quality assurance 1. Academic Administrative Audit (AAA) and follow up action taken 2.Confernces, Seminars, Workshops on quality conducted 3. Collaborative quality initiatives with other institution(s) 4.Orientation programme on quality issues for teachers and students 5. Participation in NIRF 6.Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA).**

**Response:** A. Any 5 or more of the above

File Description	Document
Upload e-copies of the accreditations and certifications	<a href="#">View Document</a>
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Paste web link of Annual reports of University	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

**6.5.3 Incremental improvements made for the preceding five years with regard to quality (in case of first cycle), Post accreditation quality initiatives (second and subsequent cycles).**

**Response:**

SRMUH under its 5 Qs policy initiative has taken substantial steps to achieve excellence in academic, research, administration, sports, and extension activities. It sets realistic goals and creates roadmap to achieve these goals. The impact analysis of some of these quality initiatives are as follows:

#### **Student Support, Engagement and Promotion**

- **Examination Results:** There has been considerable improvement in academic results. Pass percentage of students has increased from 89 % to 93%.
- **Awards and Scholarships:** The University has a policy of awarding and encouraging meritorious students through scholarships. Further, it has set-up a defined mechanism to award sports, academic and need-based scholarships.
- **Entrepreneurship Initiatives and Centre of Excellence:** The SRM-Siemens Centre of Excellence and academia-industry collaboration with Bosch have paved way for start-ups, opportunities for research & innovation, creation of new business models and sustainable development.
- **Expert Talk:** The University has invited several experts from different disciplines to impart knowledge on diverse domain areas.

- **Alumni Association:** The University, through its alumni association, has led to the mentoring, growth and development of its students. It also provides a platform for interaction between alumni, current students, and faculty.

### Faculty Participation and Promotion

- **Teaching & Curriculum:** The University has introduced several new courses over the last five years. Various skill enhancement and value-added courses have also been offered by the departments for the holistic development of students.
- **Research & Development Policy:** Comprehensive research and promotion policy is in place.
- **Provision for Seed Money for Research:** Research pathways are created by the provision of seed money. The faculty members get benefited by seed money for their research work to develop prototype. The faculty is encouraged through awards and recognition of their research work.
- **Awareness Program on IPR and Patents:** Several awareness programs are conducted to safeguard intellectual property rights and to spread awareness about patents, quality research, ethics, databases, e-resources and IPR.

### Quality Academic Delivery

- **Institutional Repository:** University library has established Institutional Repository in order to facilitate faculty and research scholars for sharing information regarding research publication.
- **Monitoring, Evaluation, Feedback Proforma (MEFP):** The system of MEFP ensures that the academic delivery is qualitative through regular monitoring.
- **Centre for Innovation, Incubation and Entrepreneurship:** CIIE provides a platform to the students for translating their novel ideas into business models.
- **Collaboration:** The University has increased interaction with industry and foreign universities through MoUs.

### Infrastructure

- **Sustainable Development and a Green Campus:** The University restricts entry of vehicles inside the campus, and encourages use of bicycles. It also has demarcated area for pedestrians. Single-use plastic is banned in the University campus. To foster the green initiative, the University has a well laid out landscaping with several trees and plants of different varieties.
- **Promotion on Renewable Energy:** Impetus is given to green energy generation by installing 100 kW solar power roof-top panels. Two battery operated vehicles support the internal support and save energy.
- **IT Infrastructure:** The University has got an e-waste policy to ensure minimum wastage and further deploys environment-friendly IT gadget procurement policy.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Additional Information	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

##### Response:

Promotion of gender equity, providing equal opportunities for growth and development, empowering women in all areas and ensuring a safe working environment for all female staff, are some of the tenets of SRM University Delhi-NCR (SRMUH). The women employees make 42% of work force and special provisions are made within the campus for their safety and security. The University follows a non-discriminatory approach for all its employees.

**Safety and Security:** The University realizes the importance of women in society and hence ensures their welfare in all aspects. At any given time of the day, the University has female guards and staff on duty and to cater to any unforeseen emergency. The University has well-functioning CCTV system in place throughout the campus including the academic blocks, administrative block, hostels (boys and girls) to monitor all the activities round the clock. CCTV recordings are maintained for one month.

**Counselling of faculty, staff and students:** The University has taken the initiative for promotion of gender equity by entering into a MoU with "YourDOST". It can be approached online by anyone and counselling is provided depending upon the gravity of the issues.

**Common Room for both Boys and Girls:** Male and Female students are provided with separate space for recreational activities in the form of common room. Girl's common room has attached washroom, sanitary pad vending machine, almirah for keeping belongings, a first-aid box, newspaper, current magazines, etc.

**Day Care Centre for Young Children:** To empower working mothers to strike a perfect balance between personal and professional life, the University has a Day Care Centre for infants. The Day Care Centre has adequate facilities including beds, hazard-free tables, and chairs, fire extinguisher, a TV set for children's entertainment, soft toys, a cradle, a refrigerator, a microwave oven, a water dispenser and washroom for young children.

**Gender Sensitization :** Gender sensitization is essential for equitable access as enshrined in our Indian Constitution. With this guiding light, SRMUH has created multiple platforms to give women their due in society. It has established Internal Committee to Prevent Sexual Harassment at Workplace. The Committee meets regularly to review, monitor, and strengthen its functioning. The University conducts workshops and guest lectures on the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 and violence against women and girls with physical disabilities in India. Significant events like the 'National Science Day', 'Women's Day', etc. are celebrated with focal theme of women's contribution to the society. Annual events like Model United Nations (MUN) deliberates upon the global status of women in 21st century. The University offers course on Gender Justice and imparts awareness about women's rights through its outreach activities.

Through all these initiatives and endeavours, the University has addressed some of the major issues concerning rights and welfare of women. It has tried to bring about a change in the patriarchal mind-set

and opinions concerning women. The female staff as well as students feel safe and secure and are encouraged to be part of this University.

File Description	Document
Specific facilities provided for women in terms of: a.Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="#">View Document</a>
Annual gender sensitization action plan	<a href="#">View Document</a>

#### 7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

- 1.Solar energy
- 2.Biogas plant
- 3.Wheeling to the Grid
- 4.Sensor-based energy conservation
- 5.Use of LED bulbs/ power efficient equipment

**Response:** A. 4 or All of the above

File Description	Document
Geotagged Photographs	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

#### 7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

**Response:**

SRM University realizes that sustainable and holistic management and disposal of hazardous chemical & non-hazardous waste are essential for sustainable development, providing safe and healthy work environment. The University has a well laid down policy to ensure that all the hazardous chemicals from concerned laboratories in the University are disposed of by using proper mechanism at the source and if

possible, converting it into value added environment friendly product. Other kinds of waste (water, paper, e-waste) are disposed of, keeping in mind its environmental impact and recycling options.

### **Solid Waste Management:**

For managing solid waste, bins are placed across the whole campus to collect solid waste, paper and any other material which can be recycled. The University ensures that more than 50% of the used paper is sent for recycling. Printing is done on both sides of the sheet to save paper. In addition to this, faculty members are encouraged to use digital means such as LMS, E-mail, etc. University understands its duty to the ecosystem and recognizes the importance to minimize the waste generation and works cohesively with waste collecting agencies.

### **Liquid Waste Management**

- **Water:**

Regular tests are conducted by taking the meter readings to check the leaks, if any. Mostly the tests are conducted during no occupancy duration to identify any overflowing and/or leaks happening in any of the buildings. Water distribution layout is set up in a manner that the maintenance staff can easily monitor the disbursement of water remotely. In addition to this, the usage of water is predominantly dependent on the behaviour of its inhabitants i.e. students and staff. To ensure the importance of saving water, signage are placed at every possible outlets. SRMUH follows a procedural plan to reduce water wastage and augment the water table with the installed Water Recharge Wells.

- **Waste Water Treatment**

Waste water treatment involves removal of contaminants and convert them to effluents which can be returned to the water cycle. Recycled water is used for the irrigation of lawns and gardening. 850 kilo litre per day (KLD) of average waste water is generated on the campus. We have a STP with a capacity of 500 KLD. The sludge from the STP is removed once in 3-month.

- **Chemicals**

For safe and hazard-free disposal of Chemical waste (liquid, solid), it is accumulated in drums or containers separately. Waste storage areas are checked weekly for leaks or spills. Waste containers are labelled with contents, hazards (flammable, combustible, acid, non-halogenate, halogenated, etc.), and accumulation dates. Before disposal, pH is checked and if acidic and it is neutralized. Solvents are recycled with the help of fractional distillation process.

- **E-Waste Management:**

University has an e-waste policy to ensure that minimal e-waste is generated. All such waste is collected by the local vendors on quarterly basis. Smart TVs, computing equipment viz. monitors, printers, scanners, keyboards, mouse, cables are a few examples of e-waste. There is a Policy for Purchase/ Replacement/ Disposal of Telecommunication & Computing/ IT Products, Electronic items, etc.

File Description	Document
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View Document</a>
Geotagged photographs of the facilities	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

#### 7.1.4 Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell / Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

**Response:** A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

#### 7.1.5 Green campus initiatives include:

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. Landscaping with trees and plants

**Response:** A. Any 4 or All of the above

File Description	Document
Various policy documents / decisions circulated for implementation	<a href="#">View Document</a>
Geotagged photos / videos of the facilities	<a href="#">View Document</a>
Any other relevant documents	<a href="#">View Document</a>

#### 7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:

1. Green audit
2. Energy audit

- 3.Environment audit
- 4.Clean and green campus recognitions / awards
- 5.Beyond the campus environmental promotion activities

**Response:** A. Any 4 or all of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View Document</a>
Certification by the auditing agency	<a href="#">View Document</a>
Certificates of the awards received	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

#### 7.1.7 The Institution has disabled-friendly, barrier free environment

- 1.Built environment with ramps/lifts for easy access to classrooms.
- 2.Divyangjan friendly washrooms
- 3.Signage including tactile path, lights, display boards and signposts
- 4.Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment
- 5.Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

**Response:** A. Any 4 or all of the above

File Description	Document
Policy documents and information brochures on the support to be provided	<a href="#">View Document</a>
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>
Details of the Software procured for providing the assistance	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

#### 7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

**Response:**

SRMUH instils a feeling of belongingness amongst all its stakeholders by ensuring equitable access without any discrimination on grounds only of religion, race, caste, sex, place of birth or any of them and promotes harmony among all. SRMUH has taken adequate steps to ensure a peaceful and supportive

environment on the campus that promotes academic talent from all over the country. It has taken the following steps to ensure that these milestones are covered:

- SRMUH attracts students from all over the country and abroad. The University takes pride in the fact that it has students from different religions, castes, culture, and ethnicities who co-exist peacefully. Students from foreign nationalities bring in more diversity on the campus.
- SRMUH organizes events like Model United Nations (MUN), Parliamentary Debates, etc. which provide students a platform to raise their awareness about socio-economic issues faced by different nations as well as current challenges faced by our country. It also helps to build empathy and understanding towards other cultures and nations.
- The University regularly organizes cultural events such as '*Matribhasha Diwas*', *Aagaaz*, etc. that play a significant role in raising awareness about various cultures and sensitizing students about diversity in culture and celebrating differences.
- The students are provided an option to undertake courses to enable them gain understanding of individual rights, gender justice, minority rights as well as civic roles and duties.
- The University empowers its students by engaging them in activities like NCC and NSS which inculcates integrity, unity and discipline. They play a significant role in building character, taking responsibility, and developing leadership skills. Throughout the year various activities are conducted by NCC and NSS that benefit the students in achieving the goal of patience, tolerance, admiration, and support towards one and all.
- To make education accessible to all students, SRMUH offers several scholarships that support talent and at the same time financially help the needy students. It has some prestigious scholarships in its ambit like Chancellor's Scholarship that gives students 100% tuition fee waiver. Other Scholarship include Haryana Domicile Scholarship, Scholarship for SRMJEEE aspirants, Scholarship for Diploma Holders, Defence Personnel, and Sports Scholarship. All these efforts are in unison with the efforts of the Government of India to make education accessible to all and increase the gross enrolment ratio.
- SRMUH has formed a Committee for Prevention of Caste-Based Discrimination which safeguards interests of every caste, creed, religion, and ethnicity and ensures that none suffer any bias or injustice.
- SRMUH celebrates cultural diversity of India by organising various events, such as Holi, Diwali, Eid, Christmas, Pongal, Ganesh Chaturthi, Lohri, Onam, Makar Sakranti, Navaratri and many more. National days and State days such as Independence Day, Republic Day, Haryana Day, Matribhasha Diwas, and Shaheedi Diwas are celebrated with great enthusiasm and fervour.
- The Grievance Redressal Committee of the University may be approached by any stakeholder.
- The Internal Committee to prevent Sexual Harassment of Women at Workplace (POSH) is in place as per norms.

File Description	Document
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>



### 7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

#### Response:

SRMUH offers various courses to the students relating to the constitutional values, rights, duties, and responsibilities as an Indian citizen. Emphasis is laid on celebrating various national and international days with maximum involvement of students and employees. The events organized at the Faculty of Law have a relevance with the subjects being taught. Also, they reflect in the part of the course curriculum which enables the students to understand the importance of the Constitution of India. We firmly believe in gender equality and thus, direct our efforts to instil respect for all genders among the students by organizing webinars, symposium, and expert talks on this issue. In addition, Department of Political Science offers generic elective courses such as *Human Rights in Comparative Perspective, and Governance: Issues and Challenges* to impart awareness about constitution, individual rights, and duties.

- Republic Day is celebrated at the campus with highest respect and honour. This day highlights the significance of the constitution of India which provide all its citizens their individual rights. All stakeholders of SRMUH take an oath on this day to ensure that constitutional values and rights are preserved for the betterment of the country.
- SRMUH celebrates Constitutional Day every year on 26th November to educate and impart constitutional values to the students. The day commemorates the adoption of the longest written Constitutions in the world. The day highlights the efforts of the makers of Constitution.
- Human Rights Day is celebrated on 10th December to mark the importance of protecting, preserving, and promoting human rights. Awareness is spread amongst students and employees about the importance of human rights.
  - SRMUH through its Internal Committee observes the anniversary of The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 (POSH) to spread awareness about the prevention, prohibition, and redressal of sexual harassment of women at workplace. The efforts are directed toward enshrining women's basic workplace rights. There is an increased awareness about POSH amongst employees and students due to the initiatives of Internal Committee, and thus it has led to safe and secure environment on the campus.
- Various webinars are organized from time to time on the topics touching different social issues and concerns, such as:
  - “Indian Constitution a Living Document”
  - “Freedom of Speech and Expression”
  - “Universal Declaration of Human Rights and its Contemporary Relevance on International Human Rights Day”
  - “Complete Justice: COVID 19 and the Constitution of India”
  - “Transformative Constitutionalism”
  - Workshops on Protection of Children from Sexual Offenses (POCSO) Act, 2012
  - International E-Workshop on Violence against Women and Girls with Physical Disabilities in India
  - Workshop on POSH

- Domestic Violence Act, 2005
- Rise of Feminist Jurisprudence and its Implications in Contemporary India
- Model United Nations (MUN)

**7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.**

- 1. The Code of Conduct is displayed on the website**
- 2. There is a committee to monitor adherence to the Code of Conduct**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

**Response:** A. All of the above

<b>File Description</b>	<b>Document</b>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	<a href="#">View Document</a>
Code of ethics policy document	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

**7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).**

**Response:**

SRMUH organizes various programs from time to time to celebrate important days and festivals, create awareness about the national heritage and cultural identity. The University annually celebrates events such as:

- *Independence Day* - The day marks the importance of political freedom. Students and staff hoist the national flag on this occasion followed by a cultural event. Freedom fighters are remembered and rich tributes are paid to national heroes of independence.
- *Republic Day* – This day marks and celebrates the day on which the Constitution of India came into effect. The citizens are reminded of their rights and duty to abide by the Constitution and respect its ideals and institutions, the National Flag, and the National Anthem. Emphasis is laid to cherish and follow the noble ideals which inspired our national struggle to freedom. All stakeholders of SRMUH take an oath on this day to ensure constitutional values and to uphold and protect sovereignty, unity and integrity of India.
- *Constitution Day (26th November)* – This day marks the adoption of the Constitution of India. Various events are organised by the students highlighting the values enshrined in the Constitution.
- *World Environment Day (5th June)* – This day is celebrated to spread awareness about

environmental issues and climate change. Our commitment towards attainment of Sustainable Development Goals (SDG) is emphasised through various events like tree plantation, 'Best out of Waste', No to single-use plastic, etc.

- *Earth Day (22nd April)* – This day is celebrated by *PC Ray Chemistry Club* in association with Institution's Innovation Council (IIC). Various workshop by renowned social activists and experts are conducted, for e.g., workshop by Mr. Rakesh Khatri, the *Nest Man of India*.
- *International Women's Day (8th March)* – This day is observed by the institution to honour the social, economic, and cultural achievements of women and to promote women's rights.
- *National Science Day (28th February)* – This day is observed to mark the discovery of the Raman Effect by Indian physicist Sir C.V. Raman. Students from different science and engineering disciplines present science-related projects and prototypes displaying their innovation and creativity.
- *Engineers' Day (15th September)* – This day is observed in the honour of India's first civil engineer *Mokshagundam Visvesvaraya*. The day witnesses events like workshops, seminars, and lectures organised by students for honouring the work and contribution of engineers.
- *International Yoga Day (21st June)* – This day is celebrated to mark our rich tradition of physical, mental and spiritual practice rooted in ancient India. Students and staff practice various 'asanas' raising awareness regarding several benefits of practicing yoga.
- *Teachers Day (5th September)* – Students pay respect and gratitude to their teachers by enacting dramas and cultural activities.

In addition to the aforesaid important days, the University also observes *Ambedkar Jayanti*, *Gandhi Jayanti*, *National Read-a-Book Day*, *Ganesh Chaturthi*, *Matribhasha Diwas*, *Hindi Diwas*, *Haryana Day*, etc. Department of Hotel Management and Catering Technology celebrates significant days like *World Tourism Day*, *World Bread Day*, *International Chefs Day* and the year 2022 as the *International Year of Millets*.

File Description	Document
Geotagged photographs of some of the events	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>
Annual report of the celebrations and commemorative events for the last five years	<a href="#">View Document</a>

## 7.2 Best Practices

**7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.**

**Response:**

**Title of the Practice: Focus on Experiential Learning through Industry-Academia Collaboration**

**Objectives of the Practice:** Achieving the Program Educational Objectives in a heterogeneous cohort sometimes becomes a challenge. However, this challenge can be overcome through experiential learning.

The objective is to identify the varied strengths, weaknesses and potential opportunities for each learner and train them by providing experiential learning, in collaboration with IBM, Xebia, Siemens, Bosch, TCS and other industrial partners, to become the next-gen leaders, professionals and researchers in their area of expertise. This will not only enable the learners to recognize their potential in creating an ecosystem but also to nurture conducive environment for global research and innovation.

**The Context:** Achieving the objective stated above may in itself emerge as a major challenge for educational institutions. The 21st century is not just a cosmopolitan space, but this uber-globalized world is ever-changing with an ever-increasing demand for Industry-Academia collaboration. There are hardly any innovations that can be carried out in isolation, not even by the biggest MNCs and tech giants. It requires multidisciplinary research and new knowledge creation and dissemination. Therefore, there is an increasing need for multi-directional knowledge co-creation and technology transfer between industry and academia. The students are better able to connect their knowledge in the classroom to the real world situation by hands-on experience. Students gain a better understanding of the course material, and through their interests and skills, are able to develop self-confidence and leadership skills. Experiential learning opportunities leads to a broader view of the world and appreciation of community.

**The Practice:** Skilled human resources are the need of the industry 5.0 and it is also one of the aims of the National Education Policy (NEP) 2020. Experiential learning through live projects, internships, hands-on laboratory experiments, practicums, field exercises, study abroad, undergraduate research, and studio performances are the key focus areas enabling:

- Reflection, critical analysis, and synthesis.
- Opportunities for students to take initiative, make decisions, and be accountable for the results.
- Opportunities for students to engage physically, socially, emotionally, intellectually, and innovatively.
- A designed learning experience that includes the possibility to learn from natural consequences, mistakes, and successes.

Some examples of experiential learning practice at the University are:

- Industry- academia Interaction - For teaching and learning, both inside and outside the classroom methods are used to develop the skills of the students. Experts from the industry and academia offer guest lectures at the University to maintain the industry- academia connect.
- Soft Skills - Soft Skills are given a consistent focus keeping in view the shift of the industry requirements from pure hard skills to an unavoidable component of relevant soft skills.
- Laboratories and Internships - The well-equipped laboratories, internships and industry visits keep the faculty and the learners abreast with the new trends and expectations.
- NCC - is an addition to the curriculum to incorporate and actualize the idea of all round development, experiential learning, and dispensation of social responsibilities
- Clubs and Societies - Various student clubs allow students to nurture their talents and promote skill enhancement.
- Sports - The students are encouraged by the directorate of sports to participate in the sports trials and to hone their skills to compete at the highest level.
- Mooting - Moot Courts are held to mirror real-life court proceedings. The activity is designed to facilitate among students the understanding of court proceedings, proper code of conduct, the importance of dress code, and the use of formal language.

## Centres of Excellence

- SRM – Siemens Centre of Excellence (SSCoE) was established in 2020
- Bosch was established in 2021
- Centre for Drug Design, Discovery & Development (C4D) was established in 2015

The aforesaid research centres help our students with experiential research and interactions with experts such as Nobel Laureate Prof. Ada Yonath, Dr. Theodore Roosevelt Malloch Jr., CEO of Roosevelt Group and Professor of Said Business School, University of Oxford, Prof. Sir. Tom Blundell, Professor Emeritus, University of Cambridge, Prof. Simon Croft, Director of London School of Hygiene and Tropical Medicine.

**Evidence of Success:** A practice of identification of best live projects is developed by the students. Innovative thoughts through the experiential learning workshops have led to improved students' employability, interpersonal skills, and it has helped in their transition to the workforce. Under the guidance of CIIE students have achieved appreciable milestones that include national level recognition at 'Smart India Hackathon 2022' through the IBM Think Lab and Xebia Cloud Lab. In addition, the University has successfully implemented the objectives of direct experience and focused reflection embedded in experiential learning. The University has started cultivating farm-fresh vegetables under the supervision and guidance of Department of Agriculture Science in collaboration with heads of gram-panchayats in the vicinity of the University which are available at affordable price. The mechanical engineering students of SRM crowd funded their in-house All-Terrain Vehicle (ATV) with the help of various MSMEs to participate at the national level (BAJA SAE India). SSCoE's CNC lab has helped to develop test-case, simulations, and prototypes for nearby MSMEs. Well-planned, supervised, and assessed experiential learning programs have stimulated academic inquiry by promoting interdisciplinary learning, civic engagement, career development, cultural awareness, leadership, and other professional and intellectual skills.

## Problems Encountered and Resources Required:

- Finding out synergies and compatibility with a potential industrial partner for engaging the student in experiential learning
- MSMEs generally are the preferred partner for the major industries and MNCs rather than a State Private University.
- Industries have a limited budget and as a result they are constrained to cut down their research and development funding.
- Private universities have their constraints in terms of sourcing requisite resource vis-à-vis public funded institutions.

## Best Practice-II:

**Title of the Practice: Social Sensitization through Community-Oriented Approach**

**Objectives of the Practice:**

- To inculcate the spirit of social service in our students so that they can learn to recognize it as a part of their education.
- To create awareness through various campaigns about ill-effects of narcotics and psychotropic substances.
- To create legal awareness about government welfare schemes and policies for their social upliftment.
- To imbibe social responsibility and patriotism amongst its stakeholders
- To imbibe the culture of benevolence by making them donate things voluntarily for the welfare of the society.
- To bring transformational change by adopting villages in the neighbourhood to achieve the objectives of 'Unnat Bharat Abhiyaan'.

**The Context:** In consonance with the Vision and Mission, the University serves the country and diverse community at grassroots level through various programs and activities. The University is situated in Rajiv Gandhi Education City which is surrounded by several villages and growing urbanization in and around. To bridge the vast developmental disconnects between rural and urban sectors, especially in the area of higher education and health care, the University provides a platform to the community with modern facilities. The University provides job opportunities to the people of the nearby villages. It organizes various awareness campaigns and donation drives with the human resource available. It aims to expand and elevate the knowledge through practice and outreach activities. The University carries a plethora of social activities to benefit the local population, specifically during challenging circumstance like the COVID-19 pandemic where faculties, students, and alumni were actively engaged in ameliorating conditions of local people.

#### **The Practice:**

To inculcate social sensitivity amongst the students and to inspire them for higher education, the University follows the following practices:

- Awareness Campaign
- *Legal Awareness program* – The University provides preventive as well as litigative support to the poor and needy villagers through its Legal Aid Cell at the Faculty of Law. It also undertakes awareness programs on various socio-legal issues.
- *Campaign against drug abuse* - The University organizes campaigns against drug abuse to spread awareness about the menace of drugs.
- *Cleanliness Drive* - To ensure a clean, hazard free environment in the vicinity, away from all diseases and illness, the University conducts cleanliness and sanitation drives for nearby villages. Important health issues like, thalassemia awareness campaign, COVID-19, Anti-Microbial Resistance (AMR) etc. are also discussed and deliberated upon in such drives.
- *Blood donation camp* - Regular blood donation drives are conducted which help in saving many precious lives. Awareness campaign for blood donation is undertaken.
- *Eye-check up camp* – This is organised on the birth anniversary of Chancellor followed by distribution of spectacles at no cost to the needy villagers.
- *COVID Vaccination Drive* - The University provided free COVID-19 vaccine (Covishield vaccine) to University employees and general public.
- *Pratibha Samman* - To honour and celebrate the achievements of school students who have completed their senior secondary education with distinction; the University organizes *Pratibha Samman* in association with *Dainik Bhaskar* wherein the students are awarded.

- *Guru Drona Awards* - The University honours school teachers and principals for encouraging the students to undertake higher education and their selfless dedication by awarding *Guru Drona Awards* on this day.
- *Science Olympiad* - The institution conducts this annual two-day event wherein the participating students are offered scholarships to pursue their higher education. Prizes such as laptops, smartphones, etc. are also given.
- *Mandala Club* – To create awareness about mental health and guiding students who may be in need of counselling through ‘*Mandala*’; an initiative of students for students.

**Evidence of success:** Various practices adopted by this University have been successful in achieving its vision and mission. The institute has been able to sensitize its volunteers and other students about the need and nature of the social work and also in reaching out to the villagers in the vicinity. After providing awareness about education, cleanliness and health to the villagers, it was noticed that farmers started sending their children to schools and universities for education. It was also found that they have become more careful about their cleanliness, health, and education. Organization of blood donation camps has helped in creating a sense of responsibility towards humanity. Liberal scholarship provided by the University has benefited the local community to approach higher education with ease and affordability. This has also further created many first-gen graduates. During COVID-19, the students and faculty of the University helped in removing the misconceptions about anti-vaccination. The *Pratibha Samman* event helped the students to map their career options and explore different avenues. Students during the science Olympiad benefited with latest gadgets as prizes and an opportunity to explore career options in the area of engineering technology. The legal awareness camps have benefited the local community to settle disputes.

**Problems encountered and resources required:** The major problem encountered in expanding the vista of such activities is the semi-literate ignorant mind-set and false notions about different campaigns run by the University. The University faced difficulty in convincing the benefits of abovementioned activities. To win the confidence of the people, the University has entered into MOUs with the village panchayats to drive these activities through them. This has seen positive results.

File Description	Document
Best practices in the Institutional web site	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

### 7.3 Institutional Distinctiveness

#### 7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

##### Response:

Promotion of health and sustainability – contributing to the health and wellbeing of the communities nearby through *PR Institute of Medical Sciences & Research* (PRIMSR) Hospital and higher educational opportunities.

Recognizing the interdependence of health and development, the Sustainable Development Goals (SDG 3) provide an ambitious, comprehensive plan of action for people, planet & prosperity and for ending the injustices that underpin poor health & development outcomes. It aims to achieve universal health coverage, and provide access to safe and effective medicines and vaccines at affordable cost. Supporting research & development of drugs is an essential part of this process as well as expanding access to affordable medicines.

Taking forward this goal towards its contribution in providing a partnership for achievement of SDG-3, SRMUH is committed and has been working for the same.

*SRM PR Institute of Medical Sciences & Research (PRIMSR) – Hospital* is a fifty-bed hospital located on the SRMUH campus in Rajiv Gandhi Education city. The hospital has been established for the purpose of providing quality healthcare to poor and rural farming communities who live in villages near the University and this is unique philanthropic initiative by the University. In the last 5 years, patients from twenty villages in a ten-kilometre radius have been seeking health care from PRIMSR. The people who get the treatment are the poorest amongst the villagers. Since Sonapat is undergoing rapid urbanization, the residents of nearby flat complexes in Kundli have been visiting the Hospital as well.

The hospital provides treatment free of cost in a number of areas of specialisations, such as General Medicine, General Surgery, Orthopaedics, Paediatrics, Dentistry, Otolaryngology, Maternity & Child Health, and Ophthalmology. The hospital is serviced by well-qualified doctors and paramedical staff. Specialists are available on call as well. PRIMSR has an average OPD of 150-200 on general days & 250-350 patients on special days like eye check-up camp, dental-check-up, blood-donation camp, etc. Hospital doubles up as an emergency facility for the locals as well as to the people utilising the two main arterial highways nearby.

During COVID-19, PRIMSR acted as a great saviour for the surrounding community. The University voluntarily offered its facilities to the District Administration for managing the pandemic situation in the vicinity. The hospital staff and the volunteers from NSS and NCC of the University supported these activities with enthusiasm.

*Pradhan Mantri Jan Aushadhi Kendra* – The University houses a generic pharmacy store under the *Pradhan Mantri Bhartiya Janaushadhi Prayojana* which provides quality medicines at subsidised price.

*Diagnostic Testing and X-Ray* – Biochemistry lab, serology lab, microbiology lab and X-ray labs are available on the campus which helps in single-window availability of various tests and procedures to its users for diagnosis and effective treatment. For any major investigations, the University approaches advanced laboratories for getting the tests done.

*Awareness Camps* – SRMUH aligns itself with 'One Health' initiative to have integrated and unifying approach on balancing and optimizing the health of people, animals and the environment. The farming community in the nearby villages is impacted through various awareness camps to not only take care of their health but also take preventive steps. One of the significant awareness initiatives was bursting myth about the COVID vaccination.

*Mental Health and addressing the needs of specially-abled* – SRMUH is the first University to have collaboration with Special Olympic Bharat, as its official training agency, to create awareness on mental health through sports and development by offering academic programs in Special Olympics for persons



with intellectual challenges.

*Counselling of faculty, staff and students*- The University has taken the initiative for promotion of gender equity, mental health, emotional wellness and healthy social interaction by entering into a MoU with "YourDOST". This online technological platform provides 24x7 professional and Online counselling depending upon the gravity of the issues.

*Promoting Research and Development in the area of Health* – The University houses a Centre for Drug Design, Discovery and Development (C4D) which integrates with the hospital for its several types of research on drug development and research on antimicrobial resistance (AMR). All researches undertaken by C4D are ethically compliant through the University Ethical Committee which examines the proposals from different dimensions. The University is undertaking an ICMR project for discovering new drugs for the Urinary Tract Infection (UTI). The clinical samples of urine and blood are collected from the patients visiting the hospital, and they are used by the researchers in the C4D lab of the University.

*Thought Leadership Forum on Antimicrobial Resistance in India* – Indiscriminate and excessive use of antibiotics and poor infection control practices has furred the evolution of 'superbugs' or antibiotic resistant pathogens, causing antimicrobial resistance (AMR). Several hundreds of thousands of people die every year because of AMR. This number could rise to 10 million every year by 2050. We need to act now to mitigate its devastating impact on humankind. The Government of India has identified AMR as a key priority in its National Health Policy, 2017. With the G20's call to action on AMR and India assuming leadership, a public private partnership has been created to build a committed network of thought leaders, academic experts in AMR, practitioners, and other relevant stakeholders. Our aim is to systematically identify areas of research & strategic priorities and develop roadmaps, using a One Health approach, to combat AMR. <https://srmuniversity.ac.in/website/antimicrobial-resistance-in-india>

*Support to Community during the Pandemic* – SRMUH has played a significant role in ameliorating the condition of poor and needy during the COVID 19 pandemic. The University organized free immunization camps, and provided oxygen cylinders, and quarantine facilities to the needy. Encouraged by the yeomen service offered by the University to the community and very positive feedback, the SRMUH administration is committed to open a 750-bed super-speciality hospital and medical college in coming days. The University thus has emerged as one of the leading institutions in the Rajiv Gandhi Education City with an objective to promote healthcare and community service through higher education.

File Description	Document
Any other relevant information	<a href="#">View Document</a>
Appropriate web in the Institutional website	<a href="#">View Document</a>

## 5. CONCLUSION

### Additional Information :

- First University to collaborate with Special Olympics Bharat, as its official training agency, which will help the intellectually challenged children from all over the country. *Dr. Mallika Nadda* (Chairperson of Special Olympics Bharat), *Shri Ramesh Kaushik* (Member of Parliament), *Sumitra Chauhan* (State President Mahila Morcha Haryana), *Nirmala Chaudhary* (MLA Ganaur) was some of the dignitaries who graced the occasion of signing of this historic MoU.
- The former Vice President of India, *Hon'ble Shri M. Venkaiah Naidu*, was the *Chief Guest* at the 1st Convocation held.
- Two Nobel laureates, *Prof. Ada E. Yonath*, an Israeli crystallographer and *Peter C. Doherty*, AC FRS FMedSci, an Australian immunologist interacted with the students and faculty members.
- *Prof. Sir. Tom Blundell*, Professor Emeritus, University of Cambridge, *Prof. Akira Kaji*, Professor of Microbiology, School of Medicine University of Pennsylvania, USA, *Dr. Theodore Roosevelt Malloch Jr.*, Chairman and CEO of Roosevelt Group, and *Prof. Simon Croft*, Director of London School of Hygiene and Tropical Medicine are some of the esteemed scientists that are in the International Advisory Board.
- Dedicated research institute that is working on drug development and research on antimicrobial resistance (AMR).
- SRM-DBT Platform has a collaborative project of Rs 7.2 crores.
- University houses a generic pharmacy store under the *Pradhan Mantri Bhartiya Janaushadhi Prayojana* which provides quality medicines at a subsidised price.
- The University puts a special emphasis on emotional health and mental wellbeing of its students, faculty and staff. To this effect, it has entered into an MoU with "YourDOST" which provides professional counselling services.

### Concluding Remarks :

To conclude, SRMUH is progressing in alignment with its motto '*Learn, Leap, Lead*'. Upholding the highest standards of instructions in various Faculties and Departments, SRMUH is committed to create diverse community campus that inspires freedom and innovation to all its stakeholders providing optimum development opportunities. Inculcating values, integrity, and social sensitivity to its graduates is another important philosophy for SRMUH. The NAAC Process has facilitated the University in introspecting its policies and processes, particularly, the core values of NAAC. In its quest for excellence, SRMUH has promoted the capacity building of its students and employees to cater Vision and Mission of the University.

From its inception, SRMUH strives to impart high-quality education having focus on skill in alignment with industry & society, and carry out cutting-edge research. The University has progressively augmented its infrastructure, laboratories, and other facilities to meet industrial needs, adapt to changing pedagogy and providing high quality research. The University has successfully withstood the challenge of COVID-19 and farmers' protests on the arterial road which significantly affected the functioning of the University for more than 2 years. The use of technology for reaching out to its students during the pandemic was appreciated well by the students and parents. Engagement on ICT not only allowed the students to continue with their education seamlessly, it helped them with a multifaceted all-round growth & development. The University through its Centres of Excellence has emerged as one of the preferred institutions by various stakeholders, particularly

industry. The University is very much conscious of its social responsibilities and thus carries out social outreach and extension activities to instil good values and empathy in its students. Promoting the concept of health, providing opportunities for research, innovation & entrepreneurship and offering value-based, skill-based programmes, are some of the salient features of the University.