

**6.The Annual Quality Assurance Report (AQAR) of the IQAC**  
**(For Universities)**  
**(For Academic Year 2020-21, Sikkim University)**

Institutions Accredited by NAAC need to submit an Annual self-reviewed progress report i.e. Annual Quality Assurance Report (AQAR) to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the IQAC at the beginning of the Academic year. The AQAR period would be the Academic Year. (For example, June 1, 2017 to May 31, 2018)

**Part – A**

**1. Data of the Institution**

(Data may be Captured from IIQA)

- |  |  |
|--|--|
| <b>1. Name of the Institution:</b>               | <b>Sikkim University</b>   |
| • Name of the Head of the institution:           | <b>Prof. Avinash Khare</b>   |
| • Designation:                                   | <b>Vice-Chancellor</b>   |
| • Does the institution function from own campus: | <b>No</b>  |
| • Phone no./Alternate phone no:                  | <b>03592-251403/251073</b>   |
| • Mobile no:                                     | <b>+91-9873428154/+91-80013855345</b>  |
| • Registered Email:                              | <b><u>sssharma@cus.ac.in</u></b>   |
| • Alternate Email:                               | <b>vc@cus.ac.in</b><br><b>registrar@cus.ac.in</b>                                |
| • Address:                                       | <b>6th Mile Tadong, Samdur,</b><br><b>East Sikkim, Gangtok,</b><br><b>Sikkim</b> |
| • City/Town:                                     | <b>Gangtok</b>   |
| • State/UT:                                      | <b>Sikkim</b>  |
| • Pin Code:                                      | <b>737102</b>  |

**2. Institutional status:**

- University: **Central**
- State/Central/Deemed/Private:
- Type of Institution: Co- **Co-Education**  
Education/Men/Women:
- Location : Rural/Semi-urban/Urban: **Urban**
- Financial Status: Centrally funded/state **Centrally funded**  
funded/Private:
- Name of the IQAC Co- **Prof. Shanti Swarup**  
ordinator/Director: **Sharma**
- Phone no. /Alternate phone no. : **03592-251403/251073**
- Mobile: **+91-9418232910**
- IQAC e-mail address: **sssharma@cus.ac.in**
- Alternate Email address: **vc@cus.ac.in**  
**registrar@cus.ac.in**

**3. Website address:****www.cus.ac.in**

Web-link of the AQAR: (Previous Academic Year):

<https://cus.ac.in/index.php/en/aqar-sikkim-university-e>**4. Whether Academic Calendar prepared during the year?****Yes**<https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Academic%20Calendar%202020-21.pdf>**5. Accreditation Details**

<b>Cycle</b>	<b>Grade</b>	<b>CGPA</b>	<b>Year of Accreditation</b>	<b>Validity Period</b>
1 <sup>st</sup>	B	2.60	2015	from: 25.06.2015 to: 24.06.2020

6. Date of Establishment of IQAC: DD/MM/YYYY: **22 February, 2013**

<https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/IQAC%20Committee%202020-21.pdf>

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

<b>Institution/ Department/Faculty</b>	<b>Scheme</b>	<b>Funding agency</b>	<b>Year of award with duration</b>	<b>Amount (in Rs)</b>
Department of Zoology	DST FIST	DST	2018	88,80,000
Department of Physics	DST FIST	DST	2018	2,26,00,000
Prof. Jyoti Prakash Tamang Professor, Department of Microbiology	DBT-AIST Internatio nal Centre for Translatio nal and Environme ntal Research (DAICENT ER)	DBT	2018	42,79,996

8. Whether composition of IQAC as per latest NAAC guidelines: Yes/No:

**Yes**

9. No. of IQAC meetings held during the year:

**5**

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website.

**Yes**

10. Whether IQAC received funding from any of the funding agency to support its activities during the year?

**No****11. Significant contributions made by IQAC during the current year**

- Preparation of NIRF format and Participation in NIRF Ranking 2021.
- Constitution of committees for preparation of SSR.
- Participation in Workshop/ Seminar by NAAC Experts at SMU.
- Organized lecture on on 'Exploring Possibilities for Improvement of Institutional Research Productivity'.
- Preparation of AQAR format for the year 2020-21.

**12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year**

Plan of Action	Achievements/Outcomes
Nomination of members to various sub-committee for preparation of SSR.	Prof. Nawal K. Paswan presented the list of experts nominated under various sub-committee for drawing and drafting SSR. Identifiably there are seven committees constituted to look into Curricular Aspects, Teaching-Learning and Evaluation, Research Innovation and Extension, Infrastructure and Learning Resources, Student Support and Progression, Governance, Leadership and Management and Institutional Values and Best Practices respectively. Each of these sub-committees will be headed by a Convener. The convener is supposed to coordinate with the Overall Coordinator. Prof. Nawal K. Paswan being entrusted with the responsibility of coordinating the entire process of preparing SSR.
Nomination of members to participate in Workshop/ Seminar by NAAC Experts at SMU scheduled from 18th August 2020.	The Director IQAC directed Prof. Paswan and Dr Pradhan to participate in the Workshop/ Seminar by NAAC Experts at SMU scheduled from 18th August 2020 to address queries and understand the entire work flow. The Director IQAC further insisted on inviting expert from NAAC to Sikkim University for a session.

Inviting Prof. A S Chandel to deliver a lecture on 'Exploring Possibilities for Improvement of Institutional Research Productivity'	The Director IQAC proposed to invite Prof. A S Chandel to deliver a lecture on 'Exploring Possibilities for Improvement of Institutional Research Productivity'. Prof. A S Chandel accepted the invitation and further suggested to invite Representative of Clarivate (Web of Science) to make the session more informative and enriching. The committee members agreed to schedule the event on Monday, 19 October 2020.
A formal communication to the Director NAAC from the Hon'ble Vice Chancellor requesting the extension of validity of accreditation period beyond 24 June 2020 under these unprecedented circumstances.	The Director IQAC proposed to request Hon'ble Vice Chancellor Sikkim University to communicate with Director NAAC requesting the extension of validity of accreditation period beyond 24 June 2020 under these unprecedented circumstances.
Status of SSR report format.	The Director IQAC requested Prof. Paswan to inform the house about the progress made in preparation of SSR document. Prof. Paswan informed the house that some of the reports have been received and some are due. Director IQAC insisted Prof. Paswan to communicate a reminder email to all the conveners who are yet to submit the report.
A formal communication to the NAAC office enquiring about SU AQARs of past years that are not reflecting in the portal.	It was of the consensus from the house that the Director IQAC should formally communicate to the NAAC office enquiring about SU AQARs of past years that are currently not reflecting in the portal. Director IQAC agreed to place the query through the portal.
Preparation of data format for participating NIRF ranking 2021	The Director IQAC directed Dr Pradhan to prepare the data format to be communicated to the departmental heads/ section heads for collecting relevant information related to NIRF.

Finalization on lecture on 'Exploring Possibilities for Improvement of Institutional Research Productivity' by Prof. A S Chandel.	The Director IQA C directed Dr Pradhan to prepare the data format to be communicated to the departmental heads/ section heads for collecting relevant information related to NIRF.
Preparation of data format for participating NIRF ranking 2021.	The Director IQAC directed Dr Pradhan to prepare the data format to be communicated to the departmental heads/ section heads for collecting relevant information related to NIRF.
Finalize programme in collaboration with Prof. A S Chandel regarding lecture on 'Exploring Possibilities for Improvement of Institutional Research Productivity'	The Director IQAC invited Prof. A S Chandel to the meeting to finalize the program schedule regarding lecture on 'Exploring Possibilities for Improvement of Institutional Research Productivity'. It was decided that along with the lecture by Professor Amar S. Chandel, Librarian, Sikkim University a presentation by Clarivate (Web of Science) on journal ranking parameters will also be scheduled on the same date i.e. on 19 October 2020 (11:00 AM – 1:30 PM) at Barad Sadan. The program will be held in a hybrid (online/physical) mode.
Compilation of data submitted by various academic departments and administrative sections in regards to NIRF ranking 2021.	The Director IQAC directed the members of the committee to compile the data communicated by the departmental heads/ section related to fields of NIRF format. He further directed the committee to identify the missing and underspecified fields for further consultation with the concerned section for necessary information
Finalization of format for participating in NIRF ranking 2021.	The NIRF 2021 report was finalized, submitted to the Office of the Vice-Chancellor for recommendation to submit the same to NIRF.

<https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/IQAC%20Minutes%202020-21.pdf>

**13.** Whether the AQAR was placed before statutory body?

**No**

**14.** Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning?

**No**

**15.** Whether institutional data submitted to AISHE: Yes/No:

**Yes**

Year: **2010**

## **2. Institutional Preparedness for NEP 2020**

With reference to the notification released by NAAC on 23 March 2022 we understand that “Institutional Preparedness for NEP 2020” needs to be incorporated in AQAR from the academic year 2021-22.



### 3. Extended Profile of the University

#### 1 Programme:

##### 1.1. Number of Programmes offered during the year

Year	2020-21		
Number	Sl	Programme	Count
	1	Certificate	1
	2	Under Graduate	3
	3	Post Graduate	34
	4	Master of Philosophy	14
	5	Doctor of Philosophy	27

##### 1.2 Number of departments offering academic programmes **32**

#### 2. Student:

##### 2.1 Number of students during the year

Year	2020-21		
Number	Sl	Programme	Count
	1	Certificate	2
	2	Under Graduate	234
	3	Post Graduate	1502
	4	Master of Philosophy	100
	5	Doctor of Philosophy	254

##### 2.2 Number of outgoing / final year students during the year

Year	2020-21		
Number	Sl	Programme	Count
	1	Certificate	2
	2	Under Graduate	88
	3	Post Graduate	747
	4	Master of Philosophy	45
	5	Doctor of Philosophy	66

2.3 Number of students appeared in the University examination during the year

<b>Year</b>	<b>2020-21</b>		
<b>Number</b>	<b>Sl</b>	<b>Programme</b>	<b>Count</b>
	1	Certificate	2
	2	Under Graduate	234
	3	Post Graduate	1502
	4	Master of Philosophy	55
	5	Doctor of Philosophy	106

2.4 Number of revaluation applications during the year

<b>Year</b>	<b>2020-21</b>
<b>Number</b>	1

**3 Academic:**

## 3.1 Number of courses in all Programmes during the year

<b>Year</b>	<b>2020-21</b>	
<b>Number</b>	<b>Name of Programmes</b>	<b>Courses</b>
	<b>School of Human Sciences</b>	
	<b>Department of Anthropology</b>	
	MA/MSc Anthropology	16
	MPhil Anthropology	3
	PhD Anthropology	3
	<b>Department of Geography</b>	
	MA/MSc Geography	16
	MPhil Geography	3
	PhD Geography	3
	<b>Department of Psychology</b>	
	BA/ BSc Psychology	15
	MA/ MSc Psychology	16
	MPhil Psychology	3
	PhD Psychology	3
	<b>School of Languages and Literature</b>	
	<b>Department of Bhutia</b>	
	MA Bhutia	16
	<b>Department of Chinese</b>	
	BA Chinese	15
	MA Chinese	16
	PhD Chinese	3
	<b>Department of Hindi</b>	
	MA Hindi	16
	MPhil Hindi	3
	PhD Hindi	3
	<b>Department of Nepali</b>	
	MA Nepali	16
	MPhil Nepali	3
	PhD Nepali	3
	<b>Department of English</b>	

	MA English	16
	MPhil English	3
	PhD English	3
	<b>Department of Lepcha</b>	
	MA Lepcha	16
	<b>Department of Limboo</b>	
	MA Limboo	16
	<b>School of Life Sciences</b>	
	<b>Department of Botany</b>	
	MSc Botany	16
	PhD Botany	3
	<b>Department of Horticulture</b>	
	BSc Horticulture	15
	MSc Horticulture	16
	PhD Horticulture	3
	<b>Department of Microbiology</b>	
	MSc Microbiology	16
	MPhil Microbiology	3
	MSc Industrial Microbiology	16
	MPhil Industrial Microbiology	3
	PhD Microbiology	3
	<b>Department of Zoology</b>	
	MSc Zoology	16
	MPhil Zoology	3
	PhD Zoology	3
	<b>School of Physical Sciences</b>	
	<b>Department of Chemistry</b>	
	MSc Chemistry	16
	MPhil Chemistry	3
	PhD Chemistry	3
	<b>Department of Computer Application</b>	
	MCA Computer Application	30
	PhD Computer Application	3
	<b>Department of Geology</b>	
	BSc Geology	18

MSc Geology	16
MSc Environmental Science	3
MPhil Geology	3
PhD Geology	3
<b>Department of Mathematics</b>	
MSc Mathematics	16
MPhil Mathematics	3
PhD Mathematics	3
<b>Department of Physics</b>	
MSc Physics	16
MPhil Physics	3
PhD Physics	3
<b>School of Professionals Studies</b>	
<b>Department of Commerce</b>	
MCom Commerce	24
MPhil Commerce	3
PhD Commerce	3
<b>Department of Education</b>	
MA Education	16
MEd Education	*
MPhil Education	3
PhD Education	3
<b>Department of Management</b>	
MBA Management	30
PhD Management	3
<b>Department of Mass Communication</b>	
MA Mass Communication	20
MPhil Mass Communication	3
PhD Mass Communication	3
<b>Department of Music</b>	
BPA Music	18
MPA Music	16
MPhil Music	3
PhD Music	3
<b>Department of Tourism</b>	

	MTTM Tourism	16
	MPhil Tourism	3
	PhD Tourism	3
	<b>School of Social Sciences</b>	
	<b>Department of Economics</b>	
	MA Economics	16
	MPhil Economics	3
	PhD Economics	3
	<b>Department of History</b>	
	MA History	16
	MPhil History	3
	PhD History	3
	<b>Department of International Relations</b>	
	MA International Relations	16
	MPhil International Relations	3
	PhD International Relations	3
	<b>Department of Law</b>	
	LLM Law	16
	MPhil Law	3
	PhD Law	3
	<b>Department of Peace and Conflict Studies and Management</b>	
	MA Peace and Conflict Studies and Management	16
	MPhil Peace and Conflict Studies and Management	3
	PhD Peace and Conflict Studies and Management	3
	<b>Department of Political Science</b>	
	MA Political Science	16
	MPhil Political Science	3
	PhD Political Science	3
	<b>Department of Sociology</b>	
	MA Sociology	16
	MPhil Sociology	3
	PhD Sociology	3

## 3.2 Number of full time teachers during the year

Year	2020-21			
Number	Department	Professor	Associate Professor	Assistant Professor
	<b>School of Human Sciences</b>			
	Anthropology	0	2	4
	Geography	1	0	4
	Psychology	0	1	2
<b>School of Languages and Literature</b>				
	Bhutia	0	0	1
	Chinese	0	0	4
	Hindi	0	1	3
	Nepali	2	0	4
	English	1	1	4
	Lepcha	0	0	2
	Limboo	0	0	1
<b>School of Life Sciences</b>				
	Botany	3	0	4
	Horticulture	1	2	4
	Microbiology	1	0	4
	Zoology	0	1	3
<b>School of Physical Sciences</b>				
	Chemistry	1	0	4
	Computer Applications	0	2	4
	Geology	0	1	5
	Mathematics	0	1	2
	Physics	2	1	3
<b>School of Professionals Studies</b>				
	Commerce	2	1	4
	Education	0	2	5
	Management	0	1	5
	Mass Communication	0	0	4
	Music	0	1	4
	Tourism	0	0	4

<b>School of Social Sciences</b>			
Economics	2	1	4
History	1	2	4
International Relations	0	0	4
Law	0	1	4
Peace & Conflict Studies and Management	1	1	3
Political Science	1	1	5
Sociology	1	1	4



## 3.3 Number of sanctioned posts during the year

Year	2020-21			
Number	Department	Professor	Associate Professor	Assistant Professor
	<b>School of Human Sciences</b>			
	Anthropology	1	2	4
	Geography	1	2	5
	Psychology	1	3	3
	<b>School of Languages and Literature</b>			
	Bhutia	1	1	2
	Chinese	1	2	4
	Hindi	1	2	3
	Nepali	1	2	4
	English	1	2	4
	Lepcha	1	1	2
	Limboo	1	1	2
	<b>School of Life Sciences</b>			
	Botany	1	3	4
	Horticulture	1	4	5
	Microbiology	1	2	4
	Zoology	1	2	4
	<b>School of Physical Sciences</b>			
	Chemistry	1	2	4
	Computer Applications	1	4	4
	Geology	1	3	5
	Mathematics	1	2	4
	Physics	1	3	3
	<b>School of Professionals Studies</b>			
	Commerce	1	3	4
	Education	1	2	4
	Management	1	2	5
	Mass Communication	1	2	4
	Music	1	2	4
	Tourism	1	2	4

<b>School of Social Sciences</b>			
Economics	1	3	3
History	1	3	4
International Relations	1	2	4
Law	1	1	5
Peace & Conflict Studies and Management	1	2	3
Political Science	1	2	5
Sociology	1	2	4

**4. Institution:**

4.1 Number of eligible applications received for admissions to all the Programmes during the year

Year	20-21			
Number	Sl	Programme	Count	
	1	<b>Certificate Course</b>	<b>Certificate</b>	
			<b>Programme</b>	<b>Count</b>
			Chinese	6
	2	<b>Under Graduate</b>	<b>Under Graduate</b>	
			<b>Programme</b>	<b>Count</b>
			BA/ BSc Psychology	68
			BA Chinese	36
			BPA Music	170
	3	<b>Post Graduate</b>	<b>Post Graduate</b>	
			<b>Programme</b>	<b>Count</b>
			MA/MSc Anthropology	77
			MA/MSc Geography	300
			MA/ MSc Psychology	103
			MA Bhutia	22
			MA Chinese	23
			MA Hindi	21
			MA Nepali	79
			MA English	213
			MA Lepcha	46
			MA Limboo	33
MSc Botany			247	
MSc Horticulture			144	
MSc Microbiology			102	
MSc Industrial Microbiology				
MSc Zoology			303	
MSc Chemistry	245			
MCA Computer Application	40			
MSc Geology	95			
MSc Environmental Science	51			

			MSc Mathematics	130	
			MSc Physics	181	
			MCom Commerce	194	
			MA Education	72	
			MEd Education	58	
			MBA Management	97	
			MA Mass Communication	50	
			MPA Music	11	
			MTTM Tourism	83	
			MA Economics	123	
			MA History	130	
			MA International Relations	95	
			LLM Law	30	
			MA Peace and Conflict Studies and Management	37	
			MA Political Science	212	
			MA Sociology	88	
	4	<b>Master of Philosophy</b>	<b>M Phil</b>		
				<b>Department</b>	<b>Count</b>
				Anthropology	9
				Geography	17
				Psychology	16
				Hindi	23
				Nepali	30
				English	28
				Chemistry	3
				Mathematics	6
				Physics	4
				Music	10
				Tourism	10
				Economics	7
				History	35
				International Relations	15
			Law	6	

			Peace and Conflict Studies and Management	25
			Political Science	36
	5	<b>Doctor of Philosophy</b>	<b>Doctor of Philosophy</b>	
			<b>Department</b>	<b>Count</b>
			Anthropology	24
			Geography	78
			Psychology	32
			Bhutia	0
			Chinese	5
			Hindi	89
			Nepali	22
			English	108
			Lepcha	0
			Limboo	0
			Botany	56
			Horticulture	21
			Microbiology	41
			Industrial Microbiology	0
			Zoology	49
			Chemistry	13
			Computer Application	27
			Geology	30
			Environmental Science	0
			Mathematics	13
			Physics	30
			Commerce	103
			Education	47
			Management	43
			Mass Communication	0
			Music	24
			Tourism	33
			Economics	57
			History	53

			International Relations	18
			Law	41
			Peace and Conflict Studies and Management	71
			Political Science	0
			Sociology	66

4.2 Number of seats earmarked for reserved category as per GOI/State Govt. rule during the year

Year	20-21							
Number	Sl No	Department	Total Seats	UR	SC	ST	OBC	EWS
<b>School of Human Sciences</b>								
	1	PhD Anthropology	2	2	0	0	0	0
	2	PhD Geography	4	2	0	1	1	0
	3	PhD Psychology	3	2	0	0	1	0
<b>School of Languages and Literature</b>								
	4	PhD Chinese	1	1	0	0	0	0
	5	PhD Hindi	5	3	1	0	1	0
	6	PhD Nepali	7	3	1	0	2	0
	7	PhD English	4	2	1	0	1	0
<b>School of Life Sciences</b>								
	8	PhD Botany	6	3	1	0	2	0
	9	PhD Horticulture	5	3	0	1	1	0
	10	PhD Microbiology	8	3	1	1	2	1
	11	PhD Zoology	3	1	0	0	1	1
<b>School of Physical Sciences</b>								
	12	PhD Chemistry	2	1	0	0	0	1
	13	PhD Computer Applications	4	1	1	0	1	1
	14	PhD Geology	3	0	1	0	1	1
	15	PhD Mathematics	1	0	1	0	0	0
	16	PhD Physics	3	0	1	0	1	1
<b>School of Professionals Studies</b>								
	17	PhD Commerce	8	3	1	1	3	0
	18	PhD Education	2	1	0	0	0	1
	19	PhD Management	2	1	0	0	1	0
	20	PhD Mass Communication						
	21	PhD Music	5	2	1	1	1	0
		PhD Tourism	3	0	1	1	1	0

<b>School of Social Sciences</b>							
22	PhD Economics	7	3	1	1	2	0
23	PhD History	6	2	1	0	2	1
24	PhD International Relations	1	0	0	0	1	0
25	PhD Law	5	2	1	0	1	0
26	PhD Peace & Conflict Studies and Management	8	3	1	1	2	1
<b>Sl No</b>	<b>Department</b>	<b>Total Seats</b>	<b>UR</b>	<b>SC</b>	<b>ST</b>	<b>OBC</b>	<b>EWS</b>
<b>School of Human Sciences</b>							
1	MPhil Anthropology	1	1	0	0	0	0
2	MPhil Geography	2	0	1	1	0	0
3	MPhil Psychology	4	1	1	0	1	1
<b>School of Languages and Literature</b>							
4	MPhil Hindi	3	2	0	0	1	0
5	MPhil Nepali	8	3	1	1	2	1
6	MPhil English	7	3	1	0	2	1
<b>School of Physical Sciences</b>							
7	MPhil Chemistry	2	2	0	0	0	0
8	MPhil Mathematics	2	2	0	0	0	0
9	MPhil Physics	1	1	0	0	0	0
<b>School of Professionals Studies</b>							
10	MPhil Music	5	2	1	0	2	0
11	MPhil Tourism	2	1	0	0	1	0
<b>School of Social Sciences</b>							
12	MPhil Economics	3	2	0	0	1	0
13	MPhil History	8	3	1	0	3	1
14	MPhil International Relations	2	0	1	1	0	0
15	MPhil Law	3	1	0	0	1	1



16	MPhil Peace & Conflict Studies and Management	6	2	1	0	2	1
17	MPhil Political Science	5	2	1	1	1	0
18	MPhil Sociology	4	3	0	0	1	0
<b>School of Human Sciences</b>							
1	MA/MSc Anthropology	23	9	4	2	6	2
2	MA/MSc Geography	27	11	4	3	7	2
3	MA/MSc Psychology	22	10	3	1	6	2
<b>School of Languages and Literature</b>							
4	MA Bhutia	20	8	3	1	6	2
5	MA Chinese	23	9	4	2	6	2
6	MA Hindi	22	10	3	1	6	2
7	MA Nepali	35	15	5	2	10	3
8	MA English	35	15	5	2	10	3
9	MA Lepcha	22	10	3	1	6	2
10	MA Limboo	20	8	3	1	6	2
<b>School of Life Sciences</b>							
11	MSc Botany	22	10	3	1	6	2
12	MSc Horticulture	20	8	3	1	6	2
13	MSc Microbiology	22	10	3	1	6	2
14	MSc Zoology	22	10	3	1	6	2
<b>School of Physical Sciences</b>							
15	MSc Chemistry	20	8	3	1	6	2
16	MCA Computer Applications	22	10	3	1	6	2
17	MSc Geology	22	10	3	1	6	2

17	MSc Geology (Environmental Sciences)	12	5	2	1	3	1
18	MSc Mathematics	22	10	3	1	6	2
19	MSc Physics	20	8	3	1	6	2
<b>School of Professionals Studies</b>							
20	Mcom Commerce	27	11	4	3	7	2
21	MA Education	22	10	3	1	6	2
21	MEd Education	22	10	3	1	6	2
22	MBA Management	22	10	3	1	6	2
23	MA Mass Communication	22	10	3	1	6	2
24	MPA Music	20	8	3	1	6	2
25	MTTM Tourism	32	13	5	3	8	3
<b>School of Social Sciences</b>							
26	MA Economics	28	12	4	2	7	3
27	MA History	33	11	6	3	9	4
28	MA International Relations	30	11	5	2	8	4
29	LLM Law	17	7	3	1	4	2
30	MA Peace & Conflict Studies and Management	22	10	3	1	6	2
31	MA Political Science	33	11	6	3	9	4
32	MA Sociology	27	11	4	3	7	2
<b>School of Human Sciences</b>							
1	BA/BSc Psychology	22	0	0	0	0	2
<b>School of Languages and Literature</b>							
2	BA Chinese	23	9	4	2	6	2
<b>School of Professionals Studies</b>							
3	BPA Music	20	8	3	1	6	2
<b>Sl No</b>	<b>Department</b>	<b>Total Seats</b>	<b>UR</b>	<b>SC</b>	<b>ST</b>	<b>OBC</b>	<b>EWS</b>

Sl No	Department	Total Seats	UR	SC	ST	OBC	EWS
<b>School of Languages and Literature</b>							
1	Certificate Course Chinese	20	9	2	2	5	2

<https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Prospectus%202020-21.pdf>

4.3 Total number of classrooms and seminar halls: \_\_\_\_\_

Year	20-21		
Number	Sl	Description	Count
	1	Class rooms	112
	2	Laboratories	25
	3	Seminar Halls	4
	4	Classrooms with LCD facilities	112
	5	Classrooms with Wi-Fi/ LAN	112
	6	Seminar halls with ICT facilities	4
	7	Video Centre	1

4.4 Total number of computers in the campus for academic purpose: **540**

4.5 Total Expenditure excluding salary during the year (INR in Lakhs)

Year	20-21
Number	4044.74 Lakhs

**Part – B****Criterion I –Curricular Aspects****Key Indicator – 1.1 Curriculum Design and Development**

<b>Metric No.</b>	
1.1.1  Q <sub>1</sub> M	<p><b>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 University</b></p> <p>One of the prime objectives of the university is to achieve intellectual, academic and cultural development of the people of Eastern Himalayas.</p> <p>In pursuit of the same, our university has so far established 32 academic departments spread across 6 schools of studies, namely the School of Human Sciences, School of Languages and Literature, School of Life Sciences, School of Physical Sciences, School of Professional Studies and School of Social Sciences. These 32 departments offers UG, PG, MPhil and PhD programmes. The university has around 160 members in the faculty of various departments and 2700 students from all over India and overseas enrolled in various programmes such as UG, PG, M Phil and PhD offered by different departments. In an academic year, around 900 students graduate from the university. In addition to this, the university also produces around 80 M Phil and 70 PhD candidates. To keep the curriculum framework on track and at par with other academic institutes of eminence, periodic curriculum revisions are made inviting experts from prominent academic institutions, industries, practitioners, civil society and non-profit agencies. The curriculum revisions are made keeping in view the recent trends,</p>

needs of the future and prospective opportunities. The curriculum also pays due regard to the requirements of the locality and the local community. In fact Sikkim University is the only university in the world which offers post-graduate courses in Bhutia, Lepcha and Limboo languages.

The fundamental premise underlying Curricula Development and Implementation is that higher education qualification is earned and awarded on the basis of demonstrated achievement of outcomes expressed in terms of knowledge, understanding, skills, attitude, critical thinking, reasoning, problem solving and values, and academic standards expected from students of a programme of study. The curricula of a particular course of study have been designed in such a way that a student gains knowledge & skill and also maintain academic standard. Curricula, however is not static, it is dynamic and needs revision / update at a regular interval. Revision of curriculum allows inclusion of new areas of learning in local / regional / international levels which allows students an opportunity to be aware / in conversant with the recent development / progress taking place around the world and in the vicinity in the field of higher learning / research. For instance, Sikkim is considered as the hotspot of medicinal plants, herbs and hot water lakes. Our syllabi in Botany, Horticulture, Microbiology, Chemistry focuses among others, on these specialized local areas which provides them an opportunity to learn/study about their own surroundings.

A committee has been constituted to plan and realize Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the University which is also mandated by the NEP 2020.

1.1.2	<b>Number of Programmes where syllabus revision was carried out during the year</b>								
Q <sub>n</sub> M	<table border="1"> <tr> <td>Year</td> <td>2020-21</td> </tr> <tr> <td>Number</td> <td>12</td> </tr> </table>	Year	2020-21	Number	12				
Year	2020-21								
Number	12								
<p align="center"><b>Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.</b></p>									
<p align="center"><b>Name of Programmes adopting CBCS</b></p>	<p align="center"><b>UG</b></p>	<p align="center"><b>PG</b></p>	<p align="center"><b>M Phil</b></p>	<p align="center"><b>PhD</b></p>	<p align="center"><b>Date of implementation of CBCS / Elective Course System</b></p>	<p align="center"><b>UG</b></p>	<p align="center"><b>PG</b></p>	<p align="center"><b>M Phil</b></p>	<p align="center"><b>PhD</b></p>
<p align="center"><b>School of Life Sciences</b></p>									
<p align="center"><b>Department of Horticulture</b></p>									
MSc Horticulture		*			28 08 2020		*		
PhD Horticulture				*	28 08 2020				*
<p align="center"><b>School of Physical Sciences</b></p>									
<p align="center"><b>Department of Computer Application</b></p>									
MCA Computer Application		*			28 08 2020		*		
<p align="center"><b>Department of Geology</b></p>									
MSc Environmental Science		*			28 08 2020		*		
<p align="center"><b>Department of Mathematics</b></p>									
MSc Mathematics		*			28 08 2020		*		

MPhil Mathematics		*		28 08 2020		*		
PhD Mathematics			*	28 08 2020				*
<b>School of Professional Studies</b>								
<b>Department of Education</b>								
MEd Education		*		28 08 2020		*		
<b>Department of Mass Communication</b>								
MA Mass Communication		*		28 08 2020		*		
<b>School of Social Sciences</b>								
<b>Department of International Relations</b>								
MA International Relations		*		28 08 2020		*		
<b>Department of Peace and Conflict Studies and Management</b>								
MA Peace and Conflict Studies and Management		*		28 08 2020		*		
<b>Library Science</b>								
Master of Library and Information Sciences (MLIS) course		*		28 08 2020		*		



	<a href="https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Academic%20Council%20Minutes%202020-21.pdf">https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Academic%20Council%20Minutes%202020-21.pdf</a>				
<b>1.1.3</b>  <b>Q<sub>n</sub>M</b>	<p><b>Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year</b></p> <p>1.1.3.1: Number of courses having focus on employability/ entrepreneurship/ skill development during the year</p> <table border="1"> <thead> <tr> <th>Year</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td>Number</td> <td>1 B Voc (IT)</td> </tr> </tbody> </table> <p> <a href="https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Prospectus%202020-21.pdf">https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Prospectus%202020-21.pdf</a> </p>	Year	2020-21	Number	1 B Voc (IT)
Year	2020-21				
Number	1 B Voc (IT)				

**Key Indicator – 1.2 Academic Flexibility**

<b>Metric No.</b>		
<b>1.2.1</b>	<b>Number of new courses introduced of the total number of courses across all programs offered during the year</b>	
<b>Q<sub>n</sub>M</b>	<b>Year</b>	<b>2020-21</b>
	Number	1 <ul style="list-style-type: none"> <li>• 3 Year MCA Programme + M Sc Environmental Science+ Master of Library and Information Sciences (MLIS) course</li> </ul>
<b>1.2.2</b>	<b>Number of Programmes in which Choice Based Credit System CBCS)/elective course system has been implemented during the year</b>	
<b>Q<sub>n</sub>M</b>	<b>Year</b>	<b>2020-21</b>
	Number	2 <ul style="list-style-type: none"> <li>• MA-III Semester (Elective paper) in Department of Peace and Conflict Studies and Management</li> <li>• MA-III semester (Elective paper) in the Department of International Relations</li> </ul>

<https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Academic%20Council%20Minutes%202020-21.pdf>

## Key Indicator – 1.3 Curriculum Enrichment

Metric No.																	
1.3.1 Q <sub>1</sub> M	<b>Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum</b>																
1.3.2 Q <sub>n</sub> M	<p><b>Number of value-added courses for imparting transferable and life skills offered during the year</b></p> <table border="1"> <thead> <tr> <th>Year</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td>Number</td> <td>1 <ul style="list-style-type: none"> <li>Certificate Course in Chinese (Department of Chinese)</li> </ul> </td> </tr> </tbody> </table>	Year	2020-21	Number	1 <ul style="list-style-type: none"> <li>Certificate Course in Chinese (Department of Chinese)</li> </ul>												
Year	2020-21																
Number	1 <ul style="list-style-type: none"> <li>Certificate Course in Chinese (Department of Chinese)</li> </ul>																
1.3.3 Q <sub>n</sub> M	<p><b>Total number of students enrolled in the courses under 1.3.2 above</b></p> <p>1.3.3.1: Number of students enrolled in value-added courses imparting transferable and life skills offered during the year</p> <table border="1"> <thead> <tr> <th>Year</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td>Number</td> <td>2 <ul style="list-style-type: none"> <li>Certificate Course in Chinese (Department of Chinese)</li> </ul> </td> </tr> </tbody> </table>	Year	2020-21	Number	2 <ul style="list-style-type: none"> <li>Certificate Course in Chinese (Department of Chinese)</li> </ul>												
Year	2020-21																
Number	2 <ul style="list-style-type: none"> <li>Certificate Course in Chinese (Department of Chinese)</li> </ul>																
1.3.4 Q <sub>n</sub> M	<p>Number of students undertaking field projects / research projects / internships during the year</p> <table border="1"> <thead> <tr> <th>Year</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td>Number</td> <td>302</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="2">1.3.2 Field Projects / Internships under taken during the year</th> </tr> <tr> <th>Project/Programme Title</th> <th>No. of students enrolled for Field Projects / Internships</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="text-align: center;"><b>School of Human Sciences</b></td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>Department of Anthropology</b></td> </tr> <tr> <td>MA/MSc Anthropology</td> <td style="text-align: center;">16</td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>Department of Geography</b></td> </tr> </tbody> </table>	Year	2020-21	Number	302	1.3.2 Field Projects / Internships under taken during the year		Project/Programme Title	No. of students enrolled for Field Projects / Internships	<b>School of Human Sciences</b>		<b>Department of Anthropology</b>		MA/MSc Anthropology	16	<b>Department of Geography</b>	
Year	2020-21																
Number	302																
1.3.2 Field Projects / Internships under taken during the year																	
Project/Programme Title	No. of students enrolled for Field Projects / Internships																
<b>School of Human Sciences</b>																	
<b>Department of Anthropology</b>																	
MA/MSc Anthropology	16																
<b>Department of Geography</b>																	

MA/MSc Geography	23
<b>Department of Psychology</b>	
BA/ BSc Psychology	22
MA/MSc Psychology	
<b>School of Languages and Literature</b>	
<b>Department of Hindi</b>	
MA Hindi	7
<b>School of Life Sciences</b>	
<b>Department of Horticulture</b>	
BSc Horticulture	20
MSc Horticulture	19
PhD Horticulture	21
Department of Zoology	
MSc Zoology	19
<b>School of Physical Sciences</b>	
<b>Department of Chemistry</b>	
MSc Chemistry	16
MPhil Chemistry	1
PhD Chemistry	1
<b>Department of Computer Application</b>	
MCA	14
<b>School of Professionals Studies</b>	
<b>Department of Commerce</b>	
MCom	21
<b>Department of Education</b>	
Med	20
<b>Department of Management</b>	
MBA	23
<b>Department of Mass Communication</b>	
MA Mass Communication	18
<b>School of Social Sciences</b>	
<b>Department of History</b>	
MA History	30
<b>Department of Law</b>	
LLM	11

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**Key Indicator – 1.4 Feedback System**

Metric No.	
<b>1.4.1</b>  <b>Q<sub>n</sub>M</b>	<b>Structured feedback for design and review of syllabus – semester wise / is received from</b>  <b>1) Students, 2) Teachers, 3) Employers, 4) Alumni</b>  <b>Options:</b> <ul style="list-style-type: none"> <li>• None of the above</li> </ul>
<b>1.4.2</b>  <b>Q<sub>n</sub>M</b>	<b>Feedback processes of the institution may be classified as follows:</b> <ul style="list-style-type: none"> <li>• Feedback not collected</li> </ul>

**Criterion II – Teaching-Learning and Evaluation**  
**Key Indicator - 2.1 Student Enrolments and Profile**

Metric No.								
2.1.1	<b>Demand Ratio</b>							
Q <sub>n</sub> M	2.1.1.1: Number of seats available during the year							
	<b>Year</b>	<b>2020-21</b>						
	<b>Number</b>	<b>Sl</b>	<b>Department</b>	<b>Certificate</b>	<b>UG</b>	<b>PG</b>	<b>M Phil</b>	<b>PhD</b>
		<b>School of Human Sciences</b>						
		1	Anthropology	0	0	23	1	2
		2	Geography	0	0	27	2	4
		3	Psychology	0	22	22	4	3
		<b>School of Languages and Literature</b>						
		4	Bhutia	0	0	20	0	0
		5	Chinese	20	23	23	0	1
		6	Hindi	0	0	22	3	5
		7	Nepali	0	0	35	8	7
		8	English	0	0	35	7	4
		9	Lepcha	0	0	22	0	0
		10	Limboo	0	0	20	0	0
		<b>School of Life Sciences</b>						
		11	Botany	0	0	22	0	6
		12	Horticulture	0	0	20	0	5
		13	Microbiology	0	0	22	0	6
		14	Zoology	0	0	22	0	3
		<b>School of Physical Sciences</b>						
		15	Chemistry	0	0	20	2	2
		16	Computer Application	0	0	22	0	4
		17	Geology	0	0	22	0	3

18	Environmental Sc	0	0	12	0	0
19	Mathematics	0	0	22	2	1
20	Physics	0	0	20	1	3
<b>School of Professionals Studies</b>						
21	Commerce	0	0	27	0	8
22	Education – MA	0	0	22	0	2
23	Education – Med	0	0	22	0	0
24	Management	0	0	22	0	2
25	Mass Communication	0	0	22	0	0
26	Music	0	20	20	5	5
27	Tourism	0	0	32	2	3
<b>School of Social Sciences</b>						
28	Economics	0	0	28	3	7
29	History	0	0	33	8	6
30	International Relations	0	0	30	2	1
31	Law	0	0	17	3	5
32	Peace and Conflict Studies and Management	0	0	22	6	8
33	Political Science	0	0	33	5	0
34	Sociology	0	0	27	0	4
	<b>Total</b>	<b>20</b>	<b>65</b>	<b>810</b>	<b>64</b>	<b>110</b>
<a href="https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Prospectus%202020-21.pdf">https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Prospectus%202020-21.pdf</a>						

2.1.2  Q <sub>n</sub> M	<p><b>Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the year (Excluding Supernumerary Seats)</b></p>																																																																						
	<p>2.1.2.1: Number of actual students admitted from the reserved categories during the year</p>																																																																						
	<table border="1"> <thead> <tr> <th>Year</th> <th colspan="6">2020-21</th> </tr> </thead> <tbody> <tr> <td>Number</td> <td colspan="6">690</td> </tr> <tr> <td></td> <td>Sl No</td> <td>Programme</td> <td>SC</td> <td>ST</td> <td>OBC</td> <td>EWS</td> </tr> <tr> <td></td> <td>1</td> <td>UG</td> <td>12</td> <td>6</td> <td>21</td> <td>7</td> </tr> <tr> <td></td> <td>2</td> <td>PG</td> <td>68</td> <td>226</td> <td>192</td> <td>33</td> </tr> <tr> <td></td> <td>3</td> <td>M. Phil</td> <td>8</td> <td>10</td> <td>16</td> <td>4</td> </tr> <tr> <td></td> <td>4</td> <td>Ph. D.</td> <td>18</td> <td>25</td> <td>35</td> <td>8</td> </tr> <tr> <td></td> <td>5</td> <td>Certificate</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> </tr> <tr> <td></td> <td></td> <td><b>Sub Total</b></td> <td><b>106</b></td> <td><b>267</b></td> <td><b>265</b></td> <td><b>52</b></td> </tr> <tr> <td></td> <td></td> <td><b>Total</b></td> <td><b>690</b></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Year	2020-21						Number	690							Sl No	Programme	SC	ST	OBC	EWS		1	UG	12	6	21	7		2	PG	68	226	192	33		3	M. Phil	8	10	16	4		4	Ph. D.	18	25	35	8		5	Certificate	0	0	1	0			<b>Sub Total</b>	<b>106</b>	<b>267</b>	<b>265</b>	<b>52</b>			<b>Total</b>	<b>690</b>			
Year	2020-21																																																																						
Number	690																																																																						
	Sl No	Programme	SC	ST	OBC	EWS																																																																	
	1	UG	12	6	21	7																																																																	
	2	PG	68	226	192	33																																																																	
	3	M. Phil	8	10	16	4																																																																	
	4	Ph. D.	18	25	35	8																																																																	
	5	Certificate	0	0	1	0																																																																	
		<b>Sub Total</b>	<b>106</b>	<b>267</b>	<b>265</b>	<b>52</b>																																																																	
		<b>Total</b>	<b>690</b>																																																																				



### Key Indicator - 2.2 Catering to Student Diversity

Metric No.										
<p><b>2.2.1</b></p> <p><b>Q<sub>1</sub>M</b></p>	<p><b>The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners</b></p> <p>The evaluation process involves continuous assessment in the form of periodic sessional tests for both theory &amp; practical courses, seminars and other academic activities. This facilitates differentiation of levels of learning in the class. Based on this specific measure are taken to help the needy students, which include extra classes, tutorials, bridge courses etc.</p> <p>Students are also encouraged to participate in diverse state/national level competitive examinations for which the university organizes special coaching classes such as for NET/SLET.</p> <p>For English proficiency enhancement, SU has developed an English Language Laboratory with free access to one and all.</p>									
<p><b>2.2.2</b></p> <p><b>Q<sub>n</sub>M</b></p>	<p><b>Student - Full time teacher ratio during the year</b></p> <table border="1"> <thead> <tr> <th>Year</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td>Number of Students</td> <td>2400</td> </tr> <tr> <td>Number of Teachers</td> <td>165</td> </tr> <tr> <td>Ratio (Teachers: Students)</td> <td>1:14.54</td> </tr> </tbody> </table>		Year	2020-21	Number of Students	2400	Number of Teachers	165	Ratio (Teachers: Students)	1:14.54
Year	2020-21									
Number of Students	2400									
Number of Teachers	165									
Ratio (Teachers: Students)	1:14.54									

### Key Indicator - 2.3 Teaching - Learning Process

Metric No.	
<p><b>2.3.1</b> <b>Q<sub>1</sub>M</b></p>	<p><b>Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences</b></p> <p>In almost all the UG/PG programs offered by various Depts. of the University, significant portion of the credit of the total credit assigned is earmarked for Internships, project work/dissertations, field work and study tours.</p> <p>These key aspects have been incorporated in the curriculum for inculcating problem solving strategies and motivating students to participate in collaborative learning through experiential and experimental approaches.</p>
<p><b>2.3.2</b> <b>Q<sub>1</sub>M</b></p>	<p><b>Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year</b></p> <p>The university has made available following ICT facilities for smooth conduct of academic and research related affairs to facilitate the teaching and learning process.</p> <ul style="list-style-type: none"> <li>• Subscription of Google classroom</li> <li>• Annual Reviews (Multi-Disciplinary)</li> <li>• CMIE Economic Outlook (Multi-Disciplinary)</li> <li>• CMIE Prowess dx (Multi-Disciplinary)</li> <li>• DELNET (Multi-Disciplinary)</li> <li>• EBSCOhost (Management, Education, Tourism and Library &amp; Information Science)</li> <li>• Emerald Journals (Multi-Disciplinary)</li> </ul>

	<ul style="list-style-type: none"> <li>• IndiaStat (Multi-Disciplinary)</li> <li>• Institute for Studies in Industrial Development (ISID) Database (Multi-Disciplinary)</li> <li>• JGate Plus (Multi-Disciplinary)</li> <li>• JSTOR (Multi-Disciplinary)</li> <li>• Manupatra (Law)</li> <li>• PsycArticles (Multi-Disciplinary)</li> <li>• SAGE Business Cases (Commerce, Management &amp; Economics)</li> <li>• ScienceDirect (Multi-Disciplinary)</li> <li>• Springer Link 1700 Collection and Nature Journal (Multi-Disciplinary)</li> <li>• Taylor &amp; Francis Journals (Multi-Disciplinary)</li> <li>• Web of Science (Multi-Disciplinary)</li> </ul>				
<p><b>2.3.3</b></p> <p><b>Q<sub>n</sub>M</b></p>	<p><b>Ratio of students to mentor for academic and other related issues during the year</b></p> <p>2.3.3.1: Number of mentors: 165</p> <p>Number of students assigned to each mentor: 14.54</p> <table border="1"> <thead> <tr> <th>Year</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td>Number of mentors</td> <td>165</td> </tr> </tbody> </table>	Year	2020-21	Number of mentors	165
Year	2020-21				
Number of mentors	165				

## Key Indicator - 2.4 Teacher Profile and Quality

Metric No.										
2.4.1	<b>Total Number of full time teachers against sanctioned posts during the year</b>									
Q <sub>n</sub> M	<b>Year</b>		<b>2020-21</b>							
	Number		165							
2.4.2	<b>Total Number of full time teachers with Ph.D./D.M/M.Ch./D.N.B Super speciality/D.Sc./D’Lit. during the year</b>									
Q <sub>n</sub> M	<b>Year</b>		<b>2020-2021</b>							
	Number		132 (PhD) 1 (D’Lit)							
2.4.3	<b>Total teaching experience of full time teachers in the same institution during the year</b>									
Q <sub>n</sub> M	2.4.3.1: Total experience of full-time teacher									
	<b>Sl No</b>	<b>Name</b>	<b>Age</b>	<b>Designation</b>	<b>Qualification</b>	<b>Currently working with institution ?</b>	<b>Joining Date</b>	<b>Leaving Date</b>	<b>Association type</b>	<b>Experience</b>
	1	Khawas Vimal	41	Associate Professor	Ph.D	Yes	29-03-2012	--	Regular	9 Y 2 M 2 D
	2	Bag Nilar dri	53	Associate Professor	Ph.D	Yes	10/2/2016	--	Regular	5 Y 3 M 21 D

3	Bhuti a Denk ila	37	Assis tant Profe ssor	Ph.D	Yes	8/5/20 12	--	Regular	9 Y 0 M 23 D
4	Cha mling Rosy	43	Asso ciate Profe ssor	Ph.D	Yes	14-01- 2016	--	Regular	5 Y 4 M 17 D
5	Das Mano j Kum ar	47	Assis tant Profe ssor	Ph.D	Yes	27-02- 2012	--	Regular	9 Y 3 M 4 D
6	Firdo s Sohel	50	Asso ciate Profe ssor	Ph.D	Yes	27-02- 2012	--	Regular	9 Y 3 M 4 D
7	Hissa y Wang chuk Bhuti a	37	Assis tant Profe ssor	Ph.D	Yes	1/8/20 16	--	Adhoc / Contra ctual	4 Y 9 M 30 D
8	Khaw as Chun nu	37	Assis tant Profe ssor	M.Te ch	Yes	27-02- 2012	--	Regular	9 Y 3 M 4 D
9	Lama Budh Baha dur	44	Assis tant Profe ssor	NET	Yes	2/6/20 14	--	Regular	6 Y 11 M 29 D
10	Mishr a Prave en	50	Asso ciate Profe ssor	Ph.D	Yes	2/12/2 015	--	Regular	5 Y 5 M 29 D
11	Nag Shan kar	45	Asso ciate Profe ssor	Ph.D	Yes	9/3/20 12	--	Regular	9 Y 2 M 22 D

	Appal la									
12	Paul Salvi n	43	Assis tant Profe ssor	Ph.D	Yes	5/3/20 12	--	Regular	9 Y 2 M 26 D	
13	Rai Rebik a	35	Assis tant Profe ssor	Ph.D	Yes	3/7/20 12	--	Regular	8 Y 10 M 28 D	
14	Sach deva Swati Aksh ay	47	Asso ciate Profe ssor	Ph.D	Yes	28-04- 2014	--	Regular	7 Y 1 M 3 D	
15	Singh Elang bam Ishw arjit	43	Assis tant Profe ssor	Ph.D	Yes	1/3/20 12	--	Regular	9 Y 2 M 30 D	
16	Sinh a Sama r	44	Assis tant Profe ssor	Ph.D	Yes	29-03- 2012	--	Regular	9 Y 2 M 2 D	
17	Thak ur Nage ndra	43	Assis tant Profe ssor	Ph.D	Yes	23-04- 2014	--	Regular	7 Y 1 M 8 D	
18	Upad hyay Sujat a	38	Assis tant Profe ssor	Ph.D	Yes	29-03- 2012	--	Regular	9 Y 2 M 2 D	
19	Yada v Ram Bhaw an	35	Assis tant Profe ssor	Ph.D	Yes	28-04- 2014	--	Regular	7 Y 1 M 3 D	

20	Ahmed Rafiul	44	Assistant Professor	Ph.D	Yes	27-02-2012	--	Regular	9 Y 3 M 4 D
21	Basnet Rakesh	35	Assistant Professor	NET	Yes	6/6/2014	--	Regular	6 Y 11 M 25 D
22	Bhuta Sonam Yangchen	37	Assistant Professor	Ph.D	Yes	8/5/2014	--	Regular	7 Y 0 M 23 D
23	Chhetri Dhani Raj	59	Associate Professor	Ph.D	Yes	7/5/2012	--	Regular	9 Y 0 M 24 D
24	Dukmit Lepcha	30	Assistant Professor	M.A	Yes	20-07-2016	--	Adhoc / Contractual	4 Y 10 M 11 D
25	Guha Silajit	47	Associate Professor	Ph.D	No	29-05-2014	24-06-2019	Regular	5 Y 0 M 26 D
26	Kaptaan Om Prakash	28	Assistant Professor	NET	Yes	30-11-2015	--	Regular	5 Y 6 M 1 D
27	Kumar Shailendra	41	Assistant Professor	Ph.D	Yes	9/3/2012	--	Regular	9 Y 2 M 22 D
28	Manish	50	Associate Professor	Ph.D	No	14-03-2012	31-10-2017	Regular	9 Y 2 M 17 D

29	Mura ri Krish na	38	Asso ciate Profe ssor	Ph.D	Yes	12/5/2 014	--	Regular	1003 Y 5 M 19 D
30	Pand ey Balar am	44	Assis tant Profe ssor	NET	Yes	1/5/20 12	--	Regular	9 Y 0 M 30 D
31	Praka sh Acha nta Ravi	48	Assis tant Profe ssor	Ph.D	Yes	1/5/20 14	--	Regular	7 Y 0 M 30 D
32	Ray Parth a Prati m	33	Assis tant Profe ssor	M.Te ch	Yes	20-07- 2012	--	Regular	8 Y 10 M 11 D
33	Shah u Dines h	34	Assis tant Profe ssor	M. Phil	Yes	23-04- 2014	--	Regular	7 Y 1 M 8 D
34	Singh Phair emba m Newt on	38	Assis tant Profe ssor	NET	Yes	27-02- 2012	--	Regular	9 Y 3 M 4 D
35	Tama ng Jyoti Praka sh	57	Profe ssor	Ph.D	Yes	5/12/2 011	--	Regular	9 Y 5 M 26 D
36	Tiwar i Arch ana	36	Assis tant Profe ssor	Ph.D	Yes	27-02- 2012	--	Regular	9 Y 3 M 4 D



37	Vishal Ravi Shekhar	42	Assistant Professor	Ph.D	Yes	23-12-2014	--	Regular	6 Y 5 M 8 D
38	Panda Satyananda	52	Associate Professor	Ph.D	Yes	27-02-2012	--	Regular	9 Y 3 M 4 D
39	Bagh Shankar Narayan	31	Assistant Professor	NET	Yes	8/12/2015	--	Regular	5 Y 5 M 23 D
40	Bhuti Jigme Wanchuk	42	Assistant Professor	Ph.D	Yes	5/5/2014	--	Regular	7 Y 0 M 26 D
41	Chettiri Durga Prasad	44	Associate Professor	Ph.D	Yes	15-05-2014	--	Regular	7 Y 0 M 16 D
42	Das Pradip Kumar	42	Assistant Professor	Ph.D	Yes	23-02-2012	--	Regular	9 Y 3 M 8 D
43	Ganapati Badekar Ananda	35	Assistant Professor	Ph.D	Yes	15-05-2014	--	Regular	7 Y 0 M 16 D

44	Indira Khangembam	45	Assistant Professor	Ph.D	Yes	29-03- 2012	--	Regular	9 Y 2 M 2 D
45	Kishor Vimal	37	Assistant Professor	Ph.D	No	30-04- 2014	30- 01- 201 9	Regular	4 Y 9 M 0 D
46	Lama Kabita	53	Associate Professor	Ph.D	Yes	4/4/20 12	--	Regular	9 Y 1 M 27 D
47	Mishra Subhash	44	Assistant Professor	Ph.D	No	28-04- 2014	12/1 2/20 18	Regular	4 Y 7 M 14 D
48	Namrata	33	Assistant Professor	Ph.D	Yes	26-11- 2015	--	Regular	5 Y 6 M 5 D
49	Phipon Lepcha Anira	39	Assistant Professor	Ph.D	Yes	1/5/20 14	--	Regular	7 Y 0 M 30 D
50	Rai Santosh Kumar	50	Assistant Professor	Ph.D	Yes	29-03- 2012	--	Regular	9 Y 2 M 2 D
51	Saha Saswati	33	Assistant Professor	NET	Yes	8/5/20 14	--	Regular	7 Y 0 M 23 D
52	Singh Maibam	36	Assistant Professor	Ph.D	Yes	24-04- 2014	--	Regular	7 Y 1 M 7 D

	Sams on									
53	Sona Rai	38	Assistant Professor	NET	Yes	16-09-2016	--	Regular	4 Y 8 M 15 D	
54	Thangellapali Vijay Kumar	59	Associate Professor	Ph.D	Yes	2/5/2014	--	Regular	7 Y 0 M 29 D	
55	V Vijoy	37	Assistant Professor	NET	Yes	5/5/2014	--	Regular	7 Y 0 M 26 D	
56	Yimchunger Jasmine	41	Assistant Professor	Ph.D	Yes	26-03-2012	--	Regular	9 Y 2 M 5 D	
57	Aden Abro n Lee Pandi	32	Assistant Professor	NET	Yes	8/5/2014	--	Regular	7 Y 0 M 23 D	
58	Barm an Jaya nta Kumar	47	Assistant Professor	M.A	Yes	27-02-2012	--	Regular	9 Y 3 M 4 D	
59	Bhuti a Karm a Diki	37	Assistant Professor	Ph.D	Yes	23-05-2014	--	Regular	7 Y 0 M 8 D	
60	Chetti ri Basu	42	Assistant	Ph.D	Yes	2/4/2012	--	Regular	9 Y 1 M 29 D	

		ndha ra		Profe ssor						
61	Devi N Bijay alax mi	45	Assis tant Profe ssor	Ph.D	Yes	22-04- 2014	--	Regular	7 Y 1 M 9 D	
62	Golay Bidh an	41	Assis tant Profe ssor	NET	Yes	19-03- 2012	--	Regular	9 Y 2 M 12 D	
63	Jeeva nand am S	34	Assis tant Profe ssor	Ph.D	Yes	30-11- 2015	--	Regular	5 Y 6 M 1 D	
64	Kum ar Rajes h	31	Assis tant Profe ssor	NET	Yes	8/12/2 015	--	Regular	5 Y 5 M 23 D	
65	Maha patra Sudh ansu Sekh ar	58	Asso ciate Profe ssor	Ph.D	Yes	15-05- 2014	--	Regular	7 Y 0 M 16 D	
66	Ompr asad Gadd e	43	Assis tant Profe ssor	Ph.D	Yes	29-03- 2012	--	Regular	9 Y 2 M 2 D	
67	Rana Manj u	36	Assis tant Profe ssor	Ph.D	Yes	29-03- 2012	--	Regular	9 Y 2 M 2 D	
68	Saxe na Nidhi	42	Assis tant Profe ssor	Ph.D	Yes	28-01- 2013	--	Regular	8 Y 4 M 3 D	

69	Singh Bisu	41	Assistant Professor	Ph.D	Yes	27-05-2014	--	Regular	7 Y 0 M 4 D
70	Tama ng Bivek	36	Assistant Professor	NET	Yes	30-04-2012	--	Regular	9 Y 1 M 1 D
71	Then dup Sang mu	37	Assistant Professor	Ph.D	Yes	29-03-2012	--	Regular	9 Y 2 M 2 D
72	Verm a Anju	45	Assistant Professor	Ph.D	Yes	28-04-2014	--	Regular	7 Y 1 M 3 D
73	Ahme d Imtia z Gula m	64	Professor	Ph.D	Yes	11/12/2015	--	Regular	5 Y 5 M 20 D
74	Bhaic hung Tsher ing Bhuti a	62	Associate Professor	M.A	Yes	1/8/2016	--	Adhoc / Contractual	4 Y 9 M 30 D
75	Bura gohai n Nihar ika	41	Assistant Professor	NET	Yes	12/6/2014	--	Regular	6 Y 11 M 19 D
76	Chou bey Mane sh	50	Professor	Ph.D	Yes	1/5/2012	--	Regular	9 Y 0 M 30 D

77	Dutta Abhijit	50	Professor	Ph.D	Yes	4/12/2015	--	Regular	5 Y 5 M 27 D
78	Gupta Amit Kumar	33	Assistant Professor	Ph.D	Yes	30-04-2014	--	Regular	7 Y 1 M 1 D
79	Kaus Subbha	28	Assistant Professor	M. Phil	No	21-07-2016	31-07-2019	Adhoc / Contractual	3 Y 0 M 10 D
80	Kundu Ruma	43	Assistant Professor	Ph.D	Yes	27-02-2012	--	Regular	9 Y 3 M 4 D
81	Manivannan S	46	Associate Professor	Ph.D	Yes	30-04-2012	--	Regular	9 Y 1 M 1 D
82	N Rajesh Raj S	45	Associate Professor	Ph.D	Yes	26-06-2014	--	Regular	6 Y 11 M 5 D
83	Pandian B Muthu	35	Assistant Professor	M. Phil	Yes	16-05-2014	--	Regular	7 Y 0 M 15 D
84	Rai Arun Kumar	39	Assistant Professor	Ph.D	Yes	17-11-2015	--	Regular	5 Y 6 M 14 D
85	Roy Biswajit Gopal	45	Assistant Professor	Ph.D	Yes	23-04-2014	--	Regular	7 Y 1 M 8 D
86	Sharma	48	Associate	Ph.D	Yes	23-06-2014	--	Regular	6 Y 11 M 8 D

		Laxu man		Profe ssor						
87	Singh Thou dam Rosh an	50	Assis tant Profe ssor	Ph.D	Yes	5/5/20 14	--	Regular	7 Y 0 M 26 D	
88	Tama ng Suda rsan	36	Assis tant Profe ssor	Ph.D	Yes	7/3/20 12	--	Regular	9 Y 2 M 24 D	
89	Tiwar i Hare Krish na	45	Asso ciate Profe ssor	Ph.D	Yes	13-03- 2012	--	Regular	9 Y 2 M 18 D	
90	Wang mo Ashi Pemp em	33	Assis tant Profe ssor	NET	Yes	1/5/20 14	--	Regular	7 Y 0 M 30 D	
91	Ahm ad Irfan	35	Assis tant Profe ssor	NET	Yes	8/12/2 015	--	Regular	5 Y 5 M 23 D	
92	Baro owa Moro mti	42	Assis tant Profe ssor	NET	Yes	29-04- 2014	--	Regular	7 Y 1 M 2 D	
93	Bhuti a Rinki la	33	Assis tant Profe ssor	NET	Yes	6/5/20 14	--	Regular	7 Y 0 M 25 D	
94	Chett ri Lekhi ka	31	Assis tant Profe ssor	M.Te ch	Yes	5/12/2 014	--	Regular	6 Y 5 M 26 D	

95	Devi Rama V	49	Profe ssor	Ph.D	No	10/11/ 2015	6/7/ 201 8	Regular	2 Y 7 M 26 D
96	Guha Prady ut	42	Assis tant Profe ssor	Ph.D	Yes	6/3/20 12	--	Regular	9 Y 2 M 25 D
97	Kach yo Lepc ha	36	Assis tant Profe ssor	Ph.D	Yes	29-07- 2016	--	Adhoc / Contra ctual	4 Y 10 M 2 D
98	Kum ar Santo sh	38	Assis tant Profe ssor	Ph.D	Yes	28-04- 2014	--	Regular	7 Y 1 M 3 D
99	Mahe shwa ri Saur abh	36	Assis tant Profe ssor	Ph.D	Yes	23-05- 2014	--	Regular	7 Y 0 M 8 D
100	Muk hopa dhya y Subir	52	Asso ciate Profe ssor	Ph.D	Yes	27-02- 2012	--	Regular	9 Y 3 M 4 D
101	P K SHA RMA	75	Profe ssor	Ph.D	Yes	1/8/20 13	--	Adhoc / Contra ctual	7 Y 9 M 30 D
102	Prad han Swas tika	32	Assis tant Profe ssor	NET	Yes	23-11- 2015	--	Regular	5 Y 6 M 8 D
103	Ranja n Rake sh kuma r	42	Assis tant Profe ssor	Ph.D	Yes	29-03- 2012	--	Regular	9 Y 2 M 2 D



104	Singh Hema Dinesh	44	Assistant Professor	Ph.D	Yes	27-02-2012	--	Regular	9 Y 3 M 4 D
105	Taming Buddhiman	44	Assistant Professor	Ph.D	Yes	27-02-2012	--	Regular	9 Y 3 M 4 D
106	Thingujam Nutan Kumar S	46	Associate Professor	Ph.D	Yes	31-03-2012	--	Regular	9 Y 2 M 0 D
107	Vinod Chandra Tewari	64	Professor	Ph.D	Yes	17-08-2015	--	Adhoc / Contractual	5 Y 9 M 14 D
108	Ananth V Krishna	54	Associate Professor	Ph.D	No	9/3/2012	23-02-2018	Regular	5 Y 11 M 14 D
109	Bhattacharya Amitabha	52	Associate Professor	Ph.D	Yes	30-03-2012	--	Regular	9 Y 2 M 1 D
110	Chakraborty Somendra Nath	40	Assistant Professor	Ph.D	Yes	2/4/2012	--	Regular	9 Y 1 M 29 D
111	Choudhury	43	Assistant	Ph.D	Yes	9/3/2012	--	Regular	9 Y 2 M 22 D

		Sanghamitra		Professor						
112	Dutta Krishendu	50	Associate Professor	Ph.D	Yes	10/11/2015	--	Regular	5 Y 6 M 21 D	
113	Hannan Abdul	47	Assistant Professor	Ph.D	Yes	29-03-2012	--	Regular	9 Y 2 M 2 D	
114	Khan Md Abdul	40	Assistant Professor	Ph.D	Yes	9/4/2012	--	Regular	9 Y 1 M 22 D	
115	Lal Uttam	42	Assistant Professor	Ph.D	Yes	27-02-2012	--	Regular	9 Y 3 M 4 D	
116	Mayank Veer	41	Assistant Professor	NET	Yes	28-02-2012	--	Regular	9 Y 3 M 3 D	
117	N Sebastian	44	Assistant Professor	Ph.D	Yes	27-02-2012	--	Regular	9 Y 3 M 4 D	
118	Paswan Nawal Kishore	53	Professor	Ph.D	Yes	5/3/2012	--	Regular	9 Y 2 M 26 D	
119	Rai Rachana	34	Assistant Professor	MBA	Yes	8/12/2015	--	Regular	5 Y 5 M 23 D	

120	Roy Dhriti	40	Assistant Professor	Ph.D	Yes	27-02-2012	--	Regular	9 Y 3 M 4 D
121	Sharma Pushpa	61	Associate Professor	Ph.D	Yes	15-05-2014	--	Regular	7 Y 0 M 16 D
122	Singh Komo l	47	Associate Professor	Ph.D	Yes	25-04-2012	--	Regular	9 Y 1 M 6 D
123	Tej Raj Limboo	32	Assistant Professor	M.A	No	20-07-2016	31-07-2019	Adhoc / Contractual	3 Y 0 M 11 D
124	Tripathi Ajay	41	Assistant Professor	Ph.D	Yes	27-02-2012	--	Regular	9 Y 3 M 4 D
125	Wanjari Nishchal	39	Assistant Professor	Ph.D	Yes	30-04-2012	--	Regular	9 Y 1 M 1 D
126	Acharya Bhoj Kumar	41	Assistant Professor	Ph.D	Yes	5/5/2014	--	Regular	7 Y 0 M 26 D
127	Bal Bahadur Subba	60	Associate Professor	B.A	Yes	21-07-2016	--	Adhoc / Contractual	4 Y 10 M 10 D
128	Bhuti Chukhey	38	Assistant Professor	Ph.D	Yes	5/12/2014	--	Regular	6 Y 5 M 26 D

129	Chetti Arun	42	Assistant Professor	Ph.D	Yes	22-04- 2014	--	Regular	7 Y 1 M 9 D
130	Devi Khwairakpam Renuka	37	Assistant Professor	Ph.D	Yes	4/12/2 015	--	Regular	5 Y 5 M 27 D
131	Ghatani Sudeep	35	Assistant Professor	Ph.D	Yes	24-11- 2015	--	Regular	5 Y 6 M 7 D
132	Irshad Gulam Ahmed	62	Professor	Ph.D	Yes	21-05- 2014	--	Regular	7 Y 0 M 10 D
133	Kotra Rhinema Ramamohan	47	Associate Professor	Ph.D	Yes	5/5/20 14	--	Regular	7 Y 0 M 26 D
134	Lepcha Charisma Karthak	38	Assistant Professor	Ph.D	Yes	28-04- 2014	--	Regular	7 Y 1 M 3 D
135	Mohapatra Rangalal	48	Assistant Professor	Ph.D	Yes	13-08- 2012	--	Regular	8 Y 9 M 18 D
136	Norbu Tsher	58	Associate	B.A	Yes	29-07- 2016	--	Adhoc /	4 Y 10 M 2 D

		ing Lepc ha		Profe ssor					Contra ctual	
13 7	Prad han Moha n Prata p	35	Asso ciate Profe ssor	Ph.D	Yes	7/12/2 015	--	Regular	5 Y 5 M 24 D	
13 8	Raju Tallu riji Moun i Suva rna	55	Asso ciate Profe ssor	Ph.D	Yes	27-11- 2015	--	Regular	5 Y 6 M 4 D	
13 9	Sathy anara yana N	48	Profe ssor	Ph.D	Yes	12/3/2 012	--	Regular	9 Y 2 M 19 D	
14 0	Singh Bimal a	42	Assis tant Profe ssor	Ph.D	Yes	27-02- 2012	--	Regular	9 Y 3 M 4 D	
14 1	Subb a Dewc hand ra	35	Assis tant Profe ssor	NET	Yes	12/4/2 012	--	Regular	9 Y 1 M 19 D	
14 2	Thap a Sand hya	56	Asso ciate Profe ssor	Ph.D	Yes	15-05- 2014	--	Regular	7 Y 0 M 16 D	
14 3	Veda bala Sami dha	33	Assis tant Profe ssor	Ph.D	Yes	2/3/20 12	--	Regular	9 Y 2 M 29 D	

144	Haoki p Jame s Vungj anga m	45	Assis tant Profe ssor	Ph.D	Yes	23-08- 2017	--	Regular	3 Y 9 M 8 D
145	Thak uria Gari ma	32	Assis tant Profe ssor	Ph.D	Yes	25-08- 2017	--	Regular	3 Y 9 M 6 D
146	Shar ma Shan ti Swar up	61	Profe ssor	Ph.D	Yes	19-09- 2017	--	Regular	3 Y 8 M 12 D
147	Roy Swar up	42	Asso ciate Profe ssor	Ph.D	Yes	5/10/2 017	--	Regular	3 Y 7 M 26 D
148	Sank rityay ana Jeta	64	Profe ssor	M.A	Yes	7/9/20 17	--	Regular	3 Y 8 M 24 D
149	Bhuti a Yodid ia	44	Asso ciate Profe ssor	Ph.D	Yes	1/9/20 17	--	Regular	3 Y 8 M 30 D
150	Shar ma Aabri ti	32	Assis tant Profe ssor	NET	Yes	18-09- 2017	--	Regular	3 Y 8 M 13 D
151	Kaur Parvi ner	52	Assis tant Profe ssor	Ph.D	Yes	22-08- 2017	--	Regular	3 Y 9 M 9 D

152	Misra Anil Kumar	44	Associate Professor	Ph.D	Yes	29-11-2017	--	Regular	3 Y 6 M 2 D
153	Pandey Brijesh Kumar	44	Associate Professor	Ph.D	No	1/9/2017	10/7/2018	Regular	0 Y 10 M 9 D
154	Tripathi Pradi p	27	Assistant Professor	Ph.D	Yes	30-08-2017	--	Regular	3 Y 9 M 1 D
155	Pant Veen u	48	Associate Professor	Ph.D	Yes	4/9/2017	--	Regular	3 Y 8 M 27 D
156	Roka Dipm ala	37	Assistant Professor	NET	Yes	19-09-2017	--	Regular	3 Y 8 M 12 D
157	Basnett Pooja	34	Assistant Professor	Ph.D	Yes	11/9/2017	--	Regular	3 Y 8 M 20 D
158	Pal Bipul	33	Assistant Professor	Ph.D	Yes	11/9/2017	--	Regular	3 Y 8 M 20 D
159	Behera Namita	36	Assistant Professor	Ph.D	Yes	19-09-2017	--	Regular	3 Y 8 M 12 D
160	Verma Anil Kumar	33	Assistant Professor	Ph.D	Yes	23-01-2018	--	Regular	3 Y 4 M 8 D

161	Bandopadhyay Sanjoy	64	Professor	B.Sc.	Yes	4/8/2017	--	Regular	3 Y 9 M 27 D
162	Kumar Surendra	38	Assistant Professor	Ph.D	Yes	4/9/2017	--	Regular	3 Y 8 M 27 D
163	Rai Aruna	50	Assistant Professor	Ph.D	Yes	14-09-2017	--	Regular	3 Y 8 M 17 D
164	Ahirwar Dinesh Kumar	33	Assistant Professor	Ph.D	Yes	18-10-2017	--	Regular	3 Y 7 M 13 D
165	Yasin Mohammad	62	Professor	Ph.D	Yes	28-08-2017	--	Regular	3 Y 9 M 3 D
166	Singh Akhilesh Kumar	32	Assistant Professor	Ph.D	Yes	30-08-2017	--	Regular	3 Y 9 M 1 D
167	Singh Kshetrimayum Birla	41	Associate Professor	Ph.D	Yes	18-09-2017	--	Regular	3 Y 8 M 13 D
168	Pariyara A	34	Assistant Professor	Ph.D	Yes	22-08-2017	--	Regular	3 Y 9 M 9 D



	169	Bhattarai Binod	31	Assistant Professor	NET	Yes	13-10-2017	--	Regular	3 Y 7 M 18 D
	170	Singh Amit Kumar	40	Assistant Professor	Ph.D	Yes	21-09-2017	--	Regular	3 Y 8 M 10 D
	171	Pathak A P	72	Professor	Ph.D	Yes	1/2/2018	--	Adhoc / Contractual	3 Y 3 M 30 D

**2.4.4** **Total number of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the year**

**Q<sub>n</sub>M**

Year	2020-21
Number	12

Sl No	National/ International	Name of the teacher awarded the fellowship	Name of the Award	Year of Award	Awarding Agency
1	International	Dr. Rajesh Raj S.N.	Visiting Scholar	2020-21	United Nations University, UNU-WIDER, Helsinki, Finland
2	International	Dr. Rajesh Raj S.N.	Associate Editor	2020-21	Journal of South Asian Development, Sage Publications
3	National	Dr Veenu Pant	Co Opted Member	2020-21	ICHR NERC
4	National	Abdul Hannan	University Research Fund Award, 2020	2020-21	Sikkim University
5	National	Dr. Dhriti Roy	Nominated as one of the founding 100 cohorts from across the globe, specializing in Chinese Studies for the China Capsule 101 program	2020-21	Asian Century Foundation, New Delhi

	6	National	Dr. Dhriti Roy	Nominated for designing course structure and syllabus for Short Course in Mandarin	2020-21	17 Mountain Division, Indian Army
	7	National	Dr. Dhriti Roy	Nominated as the first Chinese translator from India for the Sahitya Akademi Award-winning Bengali Novel, Arogyaniketan for the translation project undertaken under the Shanghai Cooperation Organization (SCO) Project	2020-21	Ministry of External Affairs, Government of India.
	8	National	Snehal Ajit Ulman	2020: Nominated for Chinese Government Scholarship	2020-21	Chinese Government
	9	National	Dr. Pradip Tripathi	Akhil Bharatiya Rajbhasha Hindi Sewi Samman	2020-21	Mahatma Gandhi Rajbhasha Hindi Prachar Sabha, Pune Maharashtra
	10	National	Prof. Shanti S. Sharma	Prof. Panchanan Maheshwari Medal (2020)	2020-21	Indian Botanical Society
	11	International	Partha Pratim Ray	Enlisted in the top 2% scientists	2020-21	Stanford University
	12	International	Prof. Abhijit Dutta	Patent number: 2020103097 ,	29 October 2020	Government of Australia

				Granting Authority: IP Australia, Government of Australia, Name of the Patent: A Method for Determining Behavior of Retail Investors		
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<https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Annual%20Report%202020-21.pdf>

### Key Indicator - 2.5 Evaluation Process and Reforms

Metric No.					
<p><b>2.5.1</b></p> <p><b>Q<sub>n</sub>M</b></p>	<p><b>Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year</b></p> <p>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 year:</p> <table border="1"> <thead> <tr> <th>Year</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td>Number</td> <td>23</td> </tr> </tbody> </table>	Year	2020-21	Number	23
Year	2020-21				
Number	23				
<p><b>2.5.2</b></p> <p><b>Q<sub>n</sub>M</b></p>	<p><b>Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year</b></p> <table border="1"> <thead> <tr> <th>Year</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td>Number</td> <td>0</td> </tr> </tbody> </table>	Year	2020-21	Number	0
Year	2020-21				
Number	0				
<p><b>2.5.3</b></p> <p><b>Q<sub>i</sub>M</b></p>	<p><b>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</b></p> <p>The University follows semester system with continuous evaluation through internal and end semester assessments. Question paper setting, Moderation and Evaluation for each semester are assigned to experts from both within and outside the University ensuring strict confidentiality and quality. Results are tabulated in both absolute marks and CGPA.</p> <p>Following reforms were made in the process</p> <ol style="list-style-type: none"> <li>1. Double entry of marks to avoid typographical errors.</li> <li>2. Scrutiny of all evaluated answer scripts by experts.</li> </ol>				

	<ol style="list-style-type: none"> <li>3. Use of software to prepare exam routine to ensure no overlaps in dates.</li> <li>4. Use of software to generate packing list for question papers to ensure optimum quantity and reduce wastage.</li> <li>5. Flying squad (surprise visits) to exam centers during examination.</li> <li>6. Maintenance of all records in hard copy and soft copy.</li> <li>7. Online email support to students/faculty for technical assistance.</li> </ol> <p><b>IT Enhancements</b></p> <ol style="list-style-type: none"> <li>1. Use of Examination Software for before, during and after exam works.</li> <li>2. Online portal for all constituent departments and affiliated colleges for entry of internal marks</li> <li>3. Online declaration of results</li> <li>4. Online Examination/Reevaluation Form</li> <li>5. Online Student Registration</li> <li>6. Online fee payment through payment gateway</li> <li>7. Online Hall ticket generation</li> <li>8. Online Student Applications for issue of revised/duplicate mark sheets, revised/duplicate/provisional degree certificate, revised/duplicate registration certificate and transcript</li> </ol>
<p><b>2.5.4</b></p> <p><b>Q<sub>n</sub>M</b></p>	<p><b>Status of automation of Examination division along with approved Examination Manual</b></p> <p>B. Only student registration, Hall ticket issue &amp; Result Processing</p>

### Key Indicator - 2.6 Student Performance and Learning Outcomes

Metric No.	
<p><b>2.6.1</b></p> <p><b>Q<sub>i</sub>M</b></p>	<p><b>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</b></p> <p>The curricular programmes are designed and implemented in such a manner that students develop a robust understanding and grasp over diverse aspects of the course. This invariably prepares the students for the specific needs of different industrial sectors, professional and academic institutions.</p> <p>The generic and programme specific learning outcomes are being planned to be incorporated as a part of curriculum during implementation of NEP.</p>
<p><b>2.6.2</b></p> <p><b>Q<sub>i</sub>M</b></p>	<p><b>Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution during the year</b></p> <p>The curricular programmes are designed and implemented in such a manner that students develop a robust understanding and grasp over diverse aspects of the course. This invariably prepares the students for the specific needs of different industrial sectors, professional and academic institutions.</p>
<p><b>2.6.3</b></p> <p><b>Q<sub>n</sub>M</b></p>	<p><b>Number of students passed during the year</b></p> <p>2.6.3.1: Total number of final year students who passed the university examination : <b>723</b></p>

	2.6.3.2: Total number of final year students who appeared for the examination: <b>733</b>
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**Key Indicator- 2.7 Student Satisfaction Survey**

<b>Metric No.</b>	
<b>2.7.1 Q<sub>n</sub>M</b>	<p><b>Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a web link)</b></p> <p>The institution is working towards development of an appropriate mechanism to collect the results and detail of the student satisfaction.</p>

**Criterion III – Research, Innovations and Extension**

**Key Indicator - 3.1 Promotion of Research and Facilities**

<b>Metric No.</b>															
<b>3.1.1 Q<sub>1</sub>M</b>	<p><b>The institution Research facilities are frequently updated and there is well defined policy for promotion of research which is uploaded on the institutional website and implemented</b></p> <p>1) The institute has published guidelines for research projects</p> <p>2) There are three research centers</p> <ul style="list-style-type: none"> <li>○ Centre for Endangered Languages</li> <li>○ Bio-Informatics Centre</li> <li>○ Maulana Azad Centre for North East Studies</li> </ul> <p>3) Research Journals of Academic Departments: Poorvottar Prabha , A Research Journal of Hindi Department</p>														
<b>3.1.2 Q<sub>n</sub>M</b>	<p><b>The institution provides seed money to its teachers for research (amount INR in Lakhs)</b></p> <table border="1"> <thead> <tr> <th><b>Year</b></th> <th><b>2020-21</b></th> </tr> </thead> <tbody> <tr> <td>(INR in Lakhs):</td> <td>N.A.</td> </tr> </tbody> </table>	<b>Year</b>	<b>2020-21</b>	(INR in Lakhs):	N.A.										
<b>Year</b>	<b>2020-21</b>														
(INR in Lakhs):	N.A.														
<b>3.1.3 Q<sub>n</sub>M</b>	<p><b>Number of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the year</b></p> <table border="1"> <thead> <tr> <th><b>Year</b></th> <th><b>2020-21</b></th> </tr> </thead> <tbody> <tr> <td>Number of teachers</td> <td>2</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th><b>Sl</b></th> <th><b>Name</b></th> <th><b>Fellowship</b></th> <th><b>Year</b></th> <th><b>Awarding Agency</b></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Dr. Rajesh Raj S.N.</td> <td>Visiting Scholar, United Nations</td> <td>2020-21</td> <td>UNU-WIDER</td> </tr> </tbody> </table>	<b>Year</b>	<b>2020-21</b>	Number of teachers	2	<b>Sl</b>	<b>Name</b>	<b>Fellowship</b>	<b>Year</b>	<b>Awarding Agency</b>	1	Dr. Rajesh Raj S.N.	Visiting Scholar, United Nations	2020-21	UNU-WIDER
<b>Year</b>	<b>2020-21</b>														
Number of teachers	2														
<b>Sl</b>	<b>Name</b>	<b>Fellowship</b>	<b>Year</b>	<b>Awarding Agency</b>											
1	Dr. Rajesh Raj S.N.	Visiting Scholar, United Nations	2020-21	UNU-WIDER											

			University, UNU-WIDER, Helsinki, Finland			
	2	Abdul Hannan	University Research Fund Award, 2020	2020-21	Sikkim University	
<b>3.1.4</b>	<b>Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year</b>					
<b>Q<sub>n</sub>M</b>						
	<b>Year</b>	<b>2020-21</b>				
	Number	58				
	<b>Department</b>	<b>JRF</b>	<b>SRF</b>	<b>Post Doctoral Fellow</b>	<b>RA</b>	<b>DA</b>
	Economics	13	-	-	-	-
	History	2	-	-	-	-
	International Relations	1	-	-	-	-
	Peace & Conflict Studies and Management	-	-	1	-	-
	Political Science	1	-	-	-	-
	Anthropology	1	-	-	-	-
	Psychology	1	-	-	-	-
	Chinese	1	-	-	-	-
	English	2	-	-	-	-
	Hindi	6	-	-	-	-
	Nepali	3	-	-	-	-
	Microbiology	2	-	-	-	-
	Zoology	4	5	-	2	2
	Chemistry	2	-	-	-	-
	Commerce	4	-	-	-	-

	Education	2	-	-	-	-				
	Mass Communication	1	-	-	-	-				
	Music	2	-	-	-	-				
<b>3.1.5</b>  <b>Q<sub>n</sub>M</b>	<p><b>Institution has the following facilities to support research</b></p> <ul style="list-style-type: none"> <li>• Central Instrumentation Centre</li> <li>• Animal House/Green House</li> <li>• Museum</li> <li>• Media laboratory/Studios</li> <li>• Business Lab</li> <li>• Research/Statistical Databases</li> <li>• Moot court</li> <li>• Theatre</li> <li>• Art Gallery</li> <li>• Any other facility to support research</li> </ul> <p><b>Options:</b> A. Any 4 or more of the above</p>									
<b>3.1.6</b>  <b>Q<sub>n</sub>M</b>	<p><b>Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year</b></p> <table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 30%;">Year</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td>Number</td> <td> <ul style="list-style-type: none"> <li>• DST 12</li> <li>• UGC 3</li> <li>• DBT 5</li> <li>• ICSSR 2</li> <li>• INSA 1</li> <li>• NMHS 5</li> </ul> </td> </tr> </tbody> </table>						Year	2020-21	Number	<ul style="list-style-type: none"> <li>• DST 12</li> <li>• UGC 3</li> <li>• DBT 5</li> <li>• ICSSR 2</li> <li>• INSA 1</li> <li>• NMHS 5</li> </ul>
Year	2020-21									
Number	<ul style="list-style-type: none"> <li>• DST 12</li> <li>• UGC 3</li> <li>• DBT 5</li> <li>• ICSSR 2</li> <li>• INSA 1</li> <li>• NMHS 5</li> </ul>									

## Key Indicator - 3.2 Resource Mobilizations for Research

Metric No.							
3.2.1	<b>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 year (INR in Lakhs)</b>						
Q <sub>n</sub> M							
	<b>Year</b>	<b>2020-21</b>					
	Number	66 (ongoing)					
	<b>Sl</b>	<b>Nature of the Project</b>	<b>Durati on</b>	<b>Name of the funding Agency</b>	<b>Total grant Sanct ioned (in Lakhs )</b>	<b>Amount receive d during the year (in Lakhs)</b>	<b>Name</b>
	1	Intern ationa l	6 M	UNU-WIDER  (Consulta ncy Project)	\$1000 0	\$10000	Finance, Gender and Entrepreneurship: India's informal sector firms (Dr. Rajesh Raj S.N. (with Ira Gang, Rutgers University, US))
	2	Natio nal	24 M	ICSSR New Delhi	8 L	4 L	Productivity and Efficiency of organic farming in Sikkim (Investigator (s) Manesh Choubey)

	3	Natio nal	24 M	INSA	5.33 L	2.68 L	Antiquity and Social Aspects of Some Ethnic Fermented Foods and Beverages of North East India (Investigator (s) Dr Veenu Pant)
	4	Intern ationa l	12 M	The Asia Foundatio n	8.73 L	4.37 L	Hydro-diplomacy & Transboundary Rivers in South Asia (Investigator (s) Dr. Sebastian N, Ph. Newton Singh, Dr. Dipmala Roka, Dr. Koiremba Singh)
	5	Natio nal	12 M	Police System In India	(Pro Bono Study )	(Pro Bono Study)	Police System In India Professor I.G Ahmed (PI) Dr. Praveen Mishra (CoPI)Dr. Sonam Yangchen Bhutia(CoPI)
	6	Natio nal	36 M	NMHS, Govt of India	13 L	4 L	Spring Rejuvenation for Water security in Himalaya (Investigator (s) Vimal Khawas)
	7	Natio nal	3 M	National Mission On Himalaya n Studies (NMHS), MoEFCC	9.1 L	9.1 L	Jal Abhyaranya Campaign for Water Security in IHR for Darjeeling, West Bengal(Dr. Vimal Khawas)

	8	Natio nal	24 M	Finish National Agency of Educatio n	€ 35,00 0	€ 35,000	Interdisciplinary Curricula on Indigenous and Tribal Peoples' Studies Coordinating HEI: Arctic Centre, University of Lapland, Finland (Dr. K. R. Rama Mohan  [Co-Principal Investigator])
	9	Natio nal	12 M	Critical Ecosyste m Partnersh ip Fund (CEPF)	15.5 L	7.7 L	Saving the Fish From Mekong to Meghalaya. (Investigator (s) James V. Haokip (Co Principal Investigator))
	10	Natio nal	12 M	Niti Aayog- UGC	18.75 L	18.75 L	Opportunities of Livelihood to Check Migration from the Hills(Investigator (s) Prof. Sohel Firdos)
	11	Natio nal	12 M	Niti Aayog- UGC	4.6 L	4.6 L	Enumeration and Evaluation of the Economic impact of female labour in the hills (Investigator (s) Dr. Uttam Lal)
	12	Natio nal	1 Y	Sikkim University	-	-	Bharatiya Lok Natya Prampara Mein Assam Ke Mahapurush Shreemant Shankardev Krit 'Ankiya Natakon' Ka Adhyayan (Dr. Dinesh Shahu)

13	Natio nal	6 M	Kendriya Hindi Sansthan , Agra	-	-	Bhutia Lok Sahitya  (sampadan) (Dr. Chukey) Bhutia
14	Natio nal	36 M	NEC	90 L	30 L	Sikkim's Endangered Language Documentation Project (Dr. Samar Sinha)
15	Natio nal	36 M	DBT	33.80 L	33.80 L	The Chemical Ecology of the L-DOPA containing Plants and Their Interaction with the Herbivores. (Investigator (s) Dr. N.Sathyanarayana)
16	Natio nal	36 M	DBT	27.57 L	27.57 L	A biotechnological approach to elucidate adaptation mechanism, migration pattern and reproductive biology of indicator temperate-alpine plants in Himalayas in response to changing climate (Dr. Arun Chettri)
17	Natio nal	36 M	DBT	113 L	113 L	Harnessing Endophytes and Arbuscular Mycorrhizal Fungi from Citrus Microbiome for Plant and Soil Health Management in North East India



							(Investigator (s) Dr. Arun Kumar Rai)
18	Natio nal	36 M	DST	10.35 L	10.35 L	Assessment of Socio-ecological vulnerability to climate change among agroforestry managers along an altitude gradient in the Eastern Himalayas (Investigator (s) Dr. N. Bijayalaxmi Devi)	
19	Natio nal	12 M	Sikkim University	1 L	1 L	Studies on antimicrobial properties of phytochemicals and silver nanoparticles extracted and synthesized from ethnomedicinal plants of Darjeeling-Sikkim Himalayan region (Investigator (s) Dr. Santosh Kumar Rai)	
20	Natio nal	36 M	NMHS, MoEF, Governme nt of India	68.55 L	68.55 L	Himalayan Fellowship 2017-18 (Dr. Niladri Bag)	
21	Natio nal	36 M	GBPNIHE D, NMHS, MoEF, Governme nt of India	14.38 L	14.38 L	Bio-control of fungal disease of large cardamom ( <i>Amomum subulatum</i> ) using antagonistic microorganism(s)/ botanicals/ indigenous traditional knowledge based	

							formulation (Dr. Niladri Bag)
22	Natio nal	36 M	DBT, GOI	35.63 L	35.63 L		Developing microbial consortium for horticulture crops in rice based cropping system to promote growth, nutrient uptake and diseases management in organic farming in Sikkim (Dr. Laxuman Sharma)
23	Natio nal	36 M	Nation Mission on Himalaya n Studies, MoEF, GOI	98.44 L	98.44 L		Conservation, Promotion and intensification of local crop landraces of germplasm for livelihoods of organic farmers in Sikkim (Dr. Laxuman Sharma)
24	Natio nal	24 M	Departme nt of Forest Governme nt of Sikkim	29.0 L	29.0 L		Farming System based assessment of Pollinators, soil macro fauna and local germplasm under different Agro ecological Situation in Sikkim (Dr. Laxuman Sharma)
25	Natio nal	36 M	DST- SERB	24.93 L	24.93 L		Conservation and sustainable use of <i>Nardostachys grandiflora</i> DC. [Valerianaceae] an endangered medicinal

							plant of Sikkim Himalayas (Dr. Manju Rana)
26	National	24 M	SERB (DST)	24,46 L	24,46 L		Development of diversified value added products from wild edible fruits of Sikkim Himalayas (Dr. Karma Diki Bhutia)
27	National	36 M	DBT., GOI	38.75 L	38.75 L		In vitro mass propagation of High value hill Banana
28	National	36 M	G.B. Pant National Institute of Himalayan Environment (GBPNIHE) under National Mission on Himalayan Studies (NMHS), Ministry of Environment and Forests, Govt. of India	354 L	354 L		Key ecosystem services and biodiversity components in socio-ecological landscapes of Darjeeling - Sikkim Himalaya: Deriving management & policy inputs and developing mountain biodiversity information system (Investigator (s) Dr. Bhoj Kumar Acharya (PI) & Basundhara Chettri (Co-PI))

29	Natio nal	36 M	Ministry of Environm ent and Forests, Govt. of India	32.84 L	32.84 L	Diversity pattern, range size distribution and trait composition of butterflies along elevation gradients in the Sikkim Himalaya (Investigator (s) Dr. Bhoj Kumar Acharya (PI))
30	Natio nal	36 M	SERB_DS T, GOI	33.38 L	33.38 L	Ecology, distribution and phylogeny of <i>Takydromussikkimens is</i> (Gunther, 1888) (Squamata: Lacertidae) in the North East India. (Investigator Dr Basundhara Chettri)
31	Natio nal	36 M	Departme nt of Science & Technolog y, (DST), Govt. of India	60 L	27.35 L	Large Scale Biological Network Reconstruction and Analysis for Identifying Therapeutic Targets for Alzheimer's: A Big Data Initiative (Dr. Swarup Roy)
32	Natio nal	60 M	DST	680 L	680 L	DST's Centre of Excellence on Water Resources, Cryosphere and Climate Change Studies" (Dr. Anil Kumar Misra (PI), Dr. Rakesh Kumar Ranjan (Co-PI), Dr.NishchalWanjari (Co-PI))

33	Natio nal	36 M	SERB	21.14 L	21.14 L	Mathematical and computational modelling of below ground nitrogen microbial pathways using systems biology approaches (Dr. Amit Chakraborty)
34	Natio nal	60 M	DST	180 L	180 L	DST-FIST (Department of Physics)
35	Natio nal	36 M	DST- SERB	42.4 L	42.4 L	<i>Electromagnetically Induced Transparency based Quantum Memory</i> (Dr. Ajay Tripathi)
36	Natio nal	36 M	DST- SERB	12.98 L	12.98 L	<i>Study of Spatially Modulated States in Condensed Matter System Using Gauge/Gravity Duality</i> (Dr. Subir Mukhopadhyay)
37	Natio nal	24 M	ICSSR, New Delhi	8 L	8 L	Development of Women's Education and Problems of women students in higher education ( Dr. Yodida Bhutia)
38	Natio nal	12 M	UGC	18 L	18 L	Developing Eco-friendly and Cost-effective Tourism in the Hills (Dr. Jigmie Wanchuk Bhutia)

## 3.2.2

**Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)**Q<sub>n</sub>M

<b>Year</b>	<b>2020-21</b>
Amount	594.90 L

Sl	Nature of the Project	Duration	Name of the funding Agency	Total grant Sanctioned (in Lakhs)	Amount received during the year (in Lakhs)	Name
1	Projects sponsored by the University	12 Months	Sikkim University	Nil	Nil	Bharatiya Lok Natya Prampara Mein Assam Ke Mahapurush Shreemant Shankardev Krit 'Ankiya Natakon' Ka Adhyayan (Investigator (s) Dr. Dinesh Shahu)
2	Major projects	60 Months	DST	680.447	680.447	DST's Centre of Excellence on Water Resources, Cryosphere and Climate Change Studies" (Investigator (s) Dr. Anil Kumar Misra (PI), Dr. Rakesh Kumar Ranjan (Co-PI), Dr.Nishchal Wanjari (Co-PI))
3	Major projects	36 Months	G.B. Pant National Institute	369.94	369.94	Key ecosystem services and biodiversity

				of Himalayan Environment (GBPNIHE) under National Mission on Himalayan Studies (NMHS), Ministry of Environment and Forests, Govt. of India			components in socioecological landscapes of Darjeeling - Sikkim Himalaya: Deriving management & policy inputs and developing mountain biodiversity information system (PI) (Investigator (s) Dr. Bhoj Kumar Acharya (PI))
4	Major projects	36 Months	DSTFIST	226	226	DST-FIST (Investigator (s) Department of Physics)	
5	Major projects	36 Months	DBT	113	113	Harnessing Endophytes and Arbuscular Mycorrhizal Fungi from Citrus Microbiome for plant and Soil Health Management in North East India. (Investigator (s) Dr. Arun Kumar Rai)	
6	Major projects	36 Months	Nation Mission on Himalaya	98.44	98.44	Conservation, Promotion and intensification of local crop landraces of	

				n Studies, MoEF, GOI			germplasm for livelihoods of organic farmers in Sikkim (Investigator (s) Dr. Laxuman Sharma)
7	Major projec ts	36 Month s	North Eastern Council	90	90	Sikkim's Endangered Language Documentation Project (Investigator (s) Dr. Samar Sinha)	
8	Major projec ts	36 Month s	NMHS, MoEF, Governme nt of India	68.55	68.55	Himalayan Fellowship 2017- 18 (Investigator (s) Dr. Niladri Bag)	
9	Major projec ts	36 Month s	Departme nt of Science & Technolog y, (DST), Govt. of India	60	60	Large Scale Biological Network Reconstruction and Analysis for Identifying Therapeutic Targets for Alzheimer's: A Big Data Initiative (Investigator (s) Dr. Swarup Roy)	
10	Major projec ts	36 Month s	DBT,GoI	38.8	38.8	The Chemical Ecology of L-DOPA containing plants and their interaction with herbivores (Investigator (s) Prof. N Sathyanarayana)	
11	Major projec ts	36 Month s	DBT, GOI	38.75	38.75	In vitro mass propagation of High value hill Banana (Investigator (s) Dr. Laxuman Sharma)	



12	Major projects	36 Months	DSTSERB	37	37	EIT based quantum memory (Investigator (s) Dr. Ajay Tripathi)
13	Major projects	36 Months	DBT, GOI	35.63	35.63	Developing microbial consortium for horticulture crops in rice based cropping system to promote growth, nutrient uptake and diseases management in organic farming in Sikkim (Investigator (s) Dr. Laxuman Sharma)
14	Major projects	36 Months	National Mission On Himalayan Studies (NMHS), MoEFCC	33.71	33.71	Spring Rejuvenation for Water Security in Himalaya: Darjeeling District (Investigator (s) Dr. Vimal Khawas)
15	Major projects	36 Months	SERB_DS T	33.38	33.38	Ecology, distribution and phylogeny of <i>Takydromussikkimensis</i> (Gunther, 1888) (Squamata: Lacertidae) in the North East India. (Investigator (s) Dr. Basundhara Chettri (PI))
16	Major projects	36 Months	Science and Engineering Research Board (SERB),	32.84	32.84	Diversity pattern, range size distribution and trait composition of butterflies along elevation gradients in the Sikkim Himalaya (PI) (Investigator (s)

				Department of Science and Technology, Government of India			Dr. Bhoj Kumar Acharya (PI)
17	Major projects	24 Months	Department of Forest Government of Sikkim	29	29	Farming System based assessment of Pollinators, soil macro fauna and local germplasm under different Agro ecological Situation in Sikkim (Investigator (s) Dr. Laxuman Sharma)	
18	Major projects	36 Months	DBT	27.57	27.57	A biotechnological approach to elucidate adaptation mechanism, migration pattern and reproductive biology of indicator temperate alpine plants in Himalayas in response to changing climate (Investigator (s) Dr. Arun Chettri)	
19	Major projects	36 Months	DBT	27.57	27.57	A biotechnological approach to elucidate adaptation mechanism, migration pattern and reproductive biology of indicator	

							temperate alpine plants in Himalayas in response to changing climate (Investigator (s) Dr. Arun Kumar Rai (Co-PI))
20	Major projects	36 Months	DST-SERB	24.93	24.93		Conservation and sustainable use of <i>Nardostachys grandiflora</i> DC. [Valerianaceae] an endangered medicinal plant of Sikkim Himalayas (Investigator (s) Dr. Manju Rana)
21	Major projects	24 Months	SERB (DST)	24.46	24.46		Development of diversified value added products from wild edible fruits of Sikkim Himalayas (Investigator (s) Dr. Karma Diki Bhutia)
22	Major projects	36 Months	SERB	21.14	21.14		Mathematical and computational modelling of below ground nitrogen microbial pathways using systems biology approaches (Investigator (s) Dr. Amit Chakraborty)
23	Major projects	09 Months	Niti Aayog UGC	18.75	18.75		Opportunities of Livelihood to Check migration from the Hills (Investigator (s) Dr. Sohel Firdos)

24	Major projects	09 Months	Niti AayogUGC	18.75	18.75	Enumeration and valuation of the Economic Impact of Female Labour in the Hills (Investigator (s) Dr. Uttam Lal)
25	Major projects	12 Months	UGC	18	18	Developing Eco-friendly and Cost-effective Tourism in the Hills (Investigator (s) Dr. Jigmie Wanchuk Bhutia)
26	Major projects	24 Months	Critical Ecosystem Partnership Fund (CEPF)	15.5	15.5	“Saving the Fish from Mekong to Meghalaya”. (Investigator (s) Dr. James V. Haokip [CoPrincipal Investigator])
27	Major projects	36 Months	GBPNIHE D, NMHS, MoEF, Government of India	14.38	14.38	Bio-control of fungal disease of large cardamom ( <i>Amomum subulatum</i> ) using antagonistic microorganism(s)/ botanicals/ indigenous traditional knowledge based formulation (Investigator (s) Dr. Niladri Bag)
28	Major projects	36 Months	DSTSERB	12.98	12.98	Study of spatially modulated states in condensed matter systems using gauge/gravity duality (Investigator (s) Dr. Subir Mukhopadhyay)

29	Major projects	36 Months	DBT,India	10.3	10.3	Assessment of socioecological vulnerability to climate change among Agroforestry managers along an altitude gradient in the Eastern Himalayas (Investigator (s) Dr. N. Bijayalaxmi Devi)
30	Minor projects	2 months	National Mission On Himalayan Studies (NMHS), MoEFCC	9.01	9.01	Jal Abhyaranya Campaign for Water Security in IHR for Darjeeling, West Bengal (Investigator (s) Dr. Vimal Khawas)
31	Minor projects	24 Months	ICSSR	8	8	Productivity and efficiency of organic farming in Sikkim (Investigator (s) Prof. Manesh Choubey)
32	Minor projects	24 Months	ICSSR, New Delhi	8	8	Development of Women's Education and Problems of women students in higher education (Investigator (s) Dr. Yodida Bhutia)
33	Minor projects	24 Months	INSA, New Delhi	5.33	5.33	Antiquity and Social Aspects of Some Ethnic Fermented Foods and Beverages of North East India (Investigator (s) Dr. Veenu Pant)

	34	Projects sponsored by the University	12 Months	Sikkim University	1	1	Studies on antimicrobial properties of photochemical and silver nano particles extracted and synthesized from Ethno medicinal plants of Darjeeling-Sikkim Himalayan region (Investigator (s) Dr. Santosh K. Rai)
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<b>3.2.3 Number of research projects funded by government and non-government agencies during the year</b>						
<b>Q<sub>n</sub>M</b>	<b>Year</b>		<b>2020-21</b>			
	Number		38			
<b>Sl</b>	<b>Nature of the Project</b>	<b>Durati on</b>	<b>Name of the funding Agency</b>	<b>Total grant Sanct ioned (in Lakhs )</b>	<b>Amount receive d during the year (in Lakhs)</b>	<b>Name</b>
1	Intern ational Project s	6 M	UNU-WIDER (Consulta ncy Project)	10000 USD	10000 USD	Finance, Gender and Entrepreneurship: India's informal sector firms (Investigator (s) Dr. Rajesh Raj S.N. (with Ira Gang, Rutgers University, US))
2	Intern ational Project s	24 M	Finish National Agency of Educatio n	€ 35,000 (Allott ed) Not receiv ed	€ 35,000 (Allotted ) Not received	Interdisciplinary Curricula on Indigenous and Tribal Peoples' Studies Coordinating HEI: Arctic Centre, University of Lapland, Finland (Investigator (s) Dr. K. R. Rama Mohan [CoPrincipal Investigator])
3	Others	6 M	Kendriya Hindi Sansthan , Agra	Nil	Nil	Bhutia Lok Sahitya (sampadan) (Investigator (s) Dr. Chukey Bhutia)
4	Others	12 M	Menon Institute of Legal	N/A(P ro Bono	N/A(Pro Bono Study)	Police System In India (Investigator (s) Professor I.G Ahmed

				Advocacy and Training & Thomson Reuters	Study )		(PI), Dr. Praveen Mishra (CoPI), Dr. Sonam Yangchen Bhutia(CoPI))
5	Projects sponsored by the University	12 Months		Sikkim University	Nil	Nil	Bharatiya Lok Natya Prampara Mein Assam Ke Mahapurush Shreemant Shankardev Krit 'Ankiya Natakon' Ka Adhyayan (Investigator (s) Dr. Dinesh Shahu)
6	Major projects	60 Months		DST	680.447	680.447	DST's Centre of Excellence on Water Resources, Cryosphere and Climate Change Studies" (Investigator (s) Dr. Anil Kumar Misra (PI), Dr. Rakesh Kumar Ranjan (Co-PI), Dr.Nishchal Wanjari (Co-PI))
7	Major projects	36 Months		G.B. Pant National Institute of Himalayan Environment (GBPNIHE) under National Mission	369.94	369.94	Key ecosystem services and biodiversity components in socioecological landscapes of Darjeeling - Sikkim Himalaya: Deriving management & policy inputs and developing mountain biodiversity information system



				on Himalayan Studies (NMHS), Ministry of Environment and Forests, Govt. of India			(PI) (Investigator (s) Dr. Bhoj Kumar Acharya (PI))
8	Major projects	36 Months	DSTFIST	226	226	DST-FIST (Investigator (s) Department of Physics)	
9	Major projects	36 Months	DBT	113	113	Harnessing Endophytes and Arbuscular Mycorrhizal Fungi from Citrus Microbiome for plant and Soil Health Management in North East India. (Investigator (s) Dr. Arun Kumar Rai)	
10	Major projects	36 Months	Nation Mission on Himalayan Studies, MoEF, GOI	98.44	98.44	Conservation, Promotion and intensification of local crop landraces of germplasm for livelihoods of organic farmers in Sikkim (Investigator (s) Dr. Laxuman Sharma)	
11	Major projects	36 Months	North Eastern Council	90	90	Sikkim's Endangered Language Documentation	

							Project (Investigator (s) Dr. Samar Sinha)
12	Major projects	36 Months	NMHS, MoEF, Government of India	68.55	68.55		Himalayan Fellowship 2017- 18 (Investigator (s) Dr. Niladri Bag)
13	Major projects	36 Months	Department of Science & Technology, (DST), Govt. of India	60	60		Large Scale Biological Network Reconstruction and Analysis for Identifying Therapeutic Targets for Alzheimer's: A Big Data Initiative (Investigator (s) Dr. Swarup Roy)
14	Major projects	36 Months	DBT,GoI	38.8	38.8		The Chemical Ecology of L-DOPA containing plants and their interaction with herbivores (Investigator (s) Prof. N Sathyanarayana)
15	Major projects	36 Months	DBT, GOI	38.75	38.75		In vitro mass propagation of High value hill Banana (Investigator (s) Dr. Laxuman Sharma)
16	Major projects	36 Months	DSTSERB	37	37		EIT based quantum memory (Investigator (s) Dr. Ajay Tripathi)
17	Major projects	36 Months	DBT, GOI	35.63	35.63		Developing microbial consortium for horticulture crops in rice based cropping system to promote growth, nutrient uptake and diseases

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18	Major projects	36 Months	National Mission On Himalayan Studies (NMHS), MoEFCC	33.71	33.71	Spring Rejuvenation for Water Security in Himalaya: Darjeeling District (Investigator (s) Dr. Vimal Khawas)	
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20	Major projects	36 Months	Science and Engineering Research Board (SERB), Department of Science and Technology, Government of India	32.84	32.84	Diversity pattern, range size distribution and trait composition of butterflies along elevation gradients in the Sikkim Himalaya (PI) (Investigator (s) Dr. Bhoj Kumar Acharya (PI))	

	21	Major projects	24 Months	Department of Forest Government of Sikkim	29	29	Farming System based assessment of Pollinators, soil macro fauna and local germplasm under different Agro ecological Situation in Sikkim (Investigator (s) Dr. Laxuman Sharma)
	22	Major projects	36 Months	DBT	27.57	27.57	A biotechnological approach to elucidate adaptation mechanism, migration pattern and reproductive biology of indicator temperatealpine plants in Himalayas in response to changing climate (Investigator (s) Dr. Arun Chettri)
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28	Major projects	09 Months	Niti AayogUGC	18.75	18.75	Enumeration and valuation of the Economic Impact of Female Labour in the Hills (Investigator (s) Dr. Uttam Lal)

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33	Major projects	36 Months	DBT, India	10.3	10.3	Assessment of socioecological vulnerability to climate change among Agroforestry managers along an

							altitude gradient in the Eastern Himalayas (Investigator (s) Dr. N. Bijayalaxmi Devi)
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38	Projects sponsored by the University	12 Months	Sikkim University	1	1	Studies on antimicrobial properties of photochemical and silver nano particles extracted and synthesized from Ethno medicinal	

							plants of Darjeeling- Sikkim Himalayan region (Investigator (s) Dr. Santosh K. Rai)



### Key Indicator - 3.3 Innovation Ecosystem

Metric No.															
3.3.1 Q <sub>i</sub> M	<p><b>Institution has created an eco-system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge</b></p> <p>Institution Innovation Council (IIC)</p> <p>Sikkim University has constituted an Institution Innovation Council (IIC) with the idea to promote innovative ideas and initiatives across various school of studies, IIC periodically organized workshops/lectures from experts from industries/ civil society inviting all stakeholders in the university and the state of Sikkim.</p>														
3.3.2 Q <sub>n</sub> M	<p><b>Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the year</b></p> <p>3.3.2.1: Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year wise during the year</p> <table border="1"> <thead> <tr> <th>Year</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td>Number</td> <td>22</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>Sl No</th> <th>Title of Workshop/Seminar</th> <th>Name of the Dept.</th> <th>Date(s)</th> <th>Number of Participates</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Online Workshop on Data Analysis using SPSS</td> <td>Economics</td> <td>12-13 December 2020</td> <td>60</td> </tr> </tbody> </table>	Year	2020-21	Number	22	Sl No	Title of Workshop/Seminar	Name of the Dept.	Date(s)	Number of Participates	1	Online Workshop on Data Analysis using SPSS	Economics	12-13 December 2020	60
Year	2020-21														
Number	22														
Sl No	Title of Workshop/Seminar	Name of the Dept.	Date(s)	Number of Participates											
1	Online Workshop on Data Analysis using SPSS	Economics	12-13 December 2020	60											

2	Fortnightly online lecture series	Economics	Started on 27 November 2020 Ended on 13 April 2021	45
3	Hydro diplomacy curriculum designing workshop	International Relations	06.July2020	17
4	The Fourth Global Lecture	International Relations	03.March 2021	-
5	Impact of COVID19 on Gender Equality	Sociology	30 June 2020	382
6	Covid 19 Pandemic and Domestic Violence in Sikkim	Sociology	28 November 2020	121
7	Lecture Series	Sociology	09 December 2020 12 December 2020 16 December 2020 18 December 2020 19 December 2020	131
8	Special Academic Lecture Session on "India China Bilateral Relations: Past Interactions and Future Engagement"	Chinese	10 December 2020	110
9	Two-day National Level Students' Online Seminar on "Interrogating Literary Theory"	English	16-17 October 2020	130
10	Prof. Y.S. Murty Memorial Lecture	Botany	24 December 2020	125
11	Online faculty interaction meet of DFG, German Research Foundation	Botany	22 September 2020	20

12	6th International Conference on Mathematics and Computing (ICMC 2020)	Computer Applications	23-25, September, 2020 (Virtual)	75
13	Online One Week FDP on Basics of Machine Learning- The Mathematical Inside	Computer Applications	08 – 12 March 2021	30
14	Recent Developments in Earth & Environmental Sciences, Natural Resource Management and Climate Change with special focus on Eastern Himalayas	Geology	8-9 October 2020	80
15	Advanced Training Program on Water Resource Management, Glacier Monitoring & Climate Change Studies	Geology	15 February - 07 March, 2021	32
16	Seminar for Celebrating International Day of Mathematics	Mathematics	15 March 2021	35
17	National Webinar on “Impact of COVID-19 Lockdown on Trade and Commerce”	Commerce	19 June 2020	1600
18	Ten Days online Workshop on Research Methodology Course in Social Sciences	Management	14-23 September 2020	40
19	Three Days Online Workshop on Data Visualisation &	Management	10-12 August 2020	60

		Statistical Analysis using Systat			
20		Online workshop on Communication for Development	Mass Communication	06 March 2021	21
21		Delhi & Sikkim E-Tour (Ek Bharat Shreshth Bharat)	Mass Communication	11 November 2020	107
22		Webinar on Rural Communication in Sikkim	Mass Communication	17 March 2021	44
<a href="https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Annual%20Report%202020-21.pdf">https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Annual%20Report%202020-21.pdf</a>					

**3.3.3** **Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year**  
**Q<sub>n</sub>M**

3.3.3.1: Total number of awards / recognitions received for research/innovations won by institution/teachers/research scholars/students year wise during the year

Year	2020-21
Number	16

Sl No	National/ International	Name of the teacher awarded the fellowship	Name of the Award	Year of Award	Awarding Agency
1	International	Dr. Rajesh Raj S.N.	Visiting Scholar	2020-21	United Nations University, UNU-WIDER, Helsinki, Finland
2	International	Dr. Rajesh Raj S.N.	Associate Editor	2020-21	Journal of South Asian

						Development, Sage Publications
3	National	Dr Veenu Pant	Co Opted Member	2020-21	ICHR NERC	
4	National	Abdul Hannan	University Research Fund Award, 2020	2020-21	Sikkim University	
5	National	Dr. Dhriti Roy	Nominated as one of the founding 100 cohorts from across the globe, specializing in Chinese Studies for the China Capsule 101 program	2020-21	Asian Century Foundation, New Delhi	
6	National	Dr. Dhriti Roy	Nominated for designing course structure and syllabus for Short Course in Mandarin	2020-21	17 Mountain Division, Indian Army	
7	National	Dr. Dhriti Roy	Nominated as the first Chinese translator from India for the Sahitya Akademi Award-winning Bengali Novel, Arogyaniketan for the translation project undertaken under the Shanghai Cooperation Organization (SCO) Project	2020-21	Ministry of External Affairs, Government of India.	
8	National	Snehal Ajit Ulman	2020: Nominated for Chinese Government Scholarship	2020-21	Chinese Government	

	9	National	Dr. Pradip Tripathi	Akhil Bharatiya Rajbhasha Hindi Sewi Samman	2020-21	Mahatma Gandhi Rajbhasha Hindi Prachar Sabha, Pune Maharashtra
	10	National	Prof. Shanti S. Sharma	Prof. Panchanan Maheshwari Medal (2020)	2020-21	Indian Botanical Society
	11	International	Partha Pratim Ray	Enlisted in the top 2% scientists	2020-21	Stanford University
	12	International	Prof. Abhijit Dutta	Patent number: 2020103097 , Granting Authority: IP Australia, Government of Australia, Name of the Patent: A Method for Determining Behavior of Retail Investors	29 October 2020	Government of Australia
	13	National	Vikash Kumar	National Fellowship for Scheduled Caste Students	2020-21	Government of India
	14	International	Mr. Anand Kumar	Awarded Huayu Enrichment Scholarship by the Government of Taiwan to pursue intensive training in Chinese language and literature at National Chengchi University, Taipei	2020-21	National Chengchi University, Taipei

	15	International	Mr. Ayush Raj	Awarded Huayu Enrichment Scholarship by the Government of Taiwan to pursue intensive training in Chinese language and literature at National Chengchi University, Taipei	2020-21	National Chengchi University, Taipei
	16	International	Mr. Tarik Ahmad	Awarded Huayu Enrichment Scholarship by the Government of Taiwan to pursue intensive training in Chinese language and literature at National Chengchi University, Taipei	2020-21	National Chengchi University, Taipei
<a href="https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Annual%20Report%202020-21.pdf">https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Annual%20Report%202020-21.pdf</a>						

### Key Indicators - 3.4 Research Publications and Awards

Metric No.						
<b>3.4.1</b> <b>Q<sub>n</sub>M</b>	<p><b>The institution ensures implementation of its stated Code of Ethics for research</b></p> <p>3.4.1.1 The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following:</p> <ul style="list-style-type: none"> <li>• Inclusion of research ethics in the research methodology course work</li> <li>• Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)</li> <li>• Plagiarism check</li> <li>• Research Advisory Committee</li> </ul> <p><b>Options:</b></p> <p>D. All of the above</p>					
<b>3.4.2</b> <b>Q<sub>n</sub>M</b>	<p><b>The institution provides incentives to teachers who receive state, national and international recognitions/awards</b></p> <ol style="list-style-type: none"> <li>1. Commendation and monetary incentive at a University function</li> <li>2. Commendation and medal at a University function</li> <li>3. Certificate of honor</li> <li>4. Announcement in the Newsletter / website</li> </ol> <p><b>Options:</b></p> <p>E. None of the above</p>					
<b>3.4.3</b> <b>Q<sub>n</sub>M</b>	<p><b>Number of Patents published/awarded during the year</b></p> <p>3.4.3.1: Total number of Patents published/awarded during the year</p> <table border="1"> <thead> <tr> <th>Year</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		Year	2020-21		
Year	2020-21					



	Number	1					
	<b>Sl No</b>	<b>Name</b>	<b>Name of the Award/ recognition</b>	<b>Name of the Awarding Government/ Government recognized bodies</b>	<b>Year of the Award</b>		
	1	Prof. Abhijit Dutta	Innovation Patent Awarded, Patent number: 2020103097, Name of the Patent: A METHOD FOR DETERMINING BEHAVIOR OF RETAIL INVESTORS , Status: Awarded, Date: 29 October 2020	Granting Authority: IP Australia, Government of Australia	2020-21		
<b>3.4.4</b>	<b>Number of Ph.Ds awarded during the year</b>						
<b>Q<sub>n</sub>M</b>	3.4.4.1: How many Ph.Ds are awarded during the year						
	<b>Year</b>	<b>2020-21</b>					
	Number	61					
	3.4.4.2: Number of teachers recognized as guides during the year						
	<b>Year</b>	<b>2020-21</b>					
	Number	123					
<b>3.4.5</b>	<b>Number of research papers in the Journals notified on UGC website during the year</b>						
<b>Q<sub>n</sub>M</b>							
	<b>Year</b>	<b>2020-21</b>					
	Number	231					
	<b>Sl No</b>	<b>Title</b>	<b>Author</b>	<b>Department</b>	<b>Journal Name</b>	<b>Year</b>	<b>ISSN</b>
	1	Integrating Farmer Producer	Gurung Rajiv	Economics	South Asian	2020	2581-821X

		Organisations in Sikkim Organic Mission: Opportunities, Challenges and Policy Measures	and Choubey Manesh		Journal of Social Studies and Economics 9(1): 39-49.		
	2	Agricultural Trade Diversity Of India With ASEAN	Pandey Pranesh and Choubey Manesh	Economics	Economic Affairs, Vol. 64, No. 3, pp. 01-08	2020	0424-2513
	3	An analysis of determinant factors in agricultural trade between India and ASEAN	Pandey Pranesh and Choubey Manesh	Economics	Indian Journal of Economics and Development Volume 17 (2), 314 -320	2021	2277-5412
	4	COVID-19 lockdown and penalty of joblessness on income and remittances: A study of inter-state migrant labourers from Assam	Guha, P., Islam, B. and Hussain, A.	Economics	India. Journal of Public Affairs 1-9.	2020	1479-1854
	5	Determinants of Cost Inefficiency of Maize Farming in Different Agro-climatic Regions of Sikkim, India	Guha, P. and Das, T.	Economics	International Journal of Rural Management, 16(2)	2020	0973-0052

6	Impact of occupational migration of unskilled labourer from domestic agriculture on farm business income in source households of Assam, India	Islam, B. and Guha, P.	Economics	International Journal of Social Economics 47 (12) 1561-1576.	2020	0306-8293
7	Factors Affecting Migration of Labourers from Domestic Agriculture and Its Impact on Household Crop Income in Assam	Islam, B. and Guha, P.	Economics	Indian Journal of Agricultural Economics. Vol. 75, No. 4, pp-458-468	2020	2582-7510
8	Factors and Impact of Rural Out-Migration in Assam	Deori, U and Mohapatra, R.	Economics	International Journal of Recent Technology and Engineering, 9(1)	2020	2277-3878
9	Impact of Micro Level factors on Rural Livelihood Diversification in Jorahat District of Assam : An Empirical Study	Pegu, G and Mohapatra, R.	Economics		2020	1305-3515
10	Do Females Engage in Less Extramarital Affairs Than Males in India?.	Kundu, R., Chettri, K.B. and	Economics	Political.	2021	2454-9916

			Mallik, G.				
11	Understanding growth and development of primary education in north-east India	Singha, Komol, Rajesh Raj S.N. and Khange mbam Indira	Economi cs	Journal of Educational Planning and Administration 33(4): 287-320	2020	0971-3859	
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13	The 'Missing Middle' Problem in Indian Manufacturing. What Role Do Institutions Play?	Raj, R.S.N. and Sen, K.	Economi cs	Economic and Political Weekly, 55(16)	2020	0012-9976	
14	How Mobile Are Workers across Informal and Formal Jobs in India?	Raj, R.S.N., Schotte, S. and Sen, K.	Economi cs	Economic and Political Weekly, 55(46)	2020	0012-9976	
15	Transitions between informal and formal jobs in India: Patterns, correlates, and consequences	Raj, R.S.N., Schotte, S. and Sen, K.	Economi cs	WIDER Working Paper 2020/101	2020	1798-7237	
16	Finance, gender, and entrepreneurship	Gang, I.N., Raj, R.S.N.	Economi cs	WIDER Working Paper	2020	1798-7237	

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17		Tribal Entrepreneurial Possibilities in Sikkim	Rajiv Jairu	Economics	International Journal of Humanities and Social Sciences (IJHSS), Vol.5, Issue 5, pp 9-12.	2020	2319-393X
18		COVID-19 and Digital Economy	Pegu, G.	Economics	SHODH SARITA, Vol.7, Issue 26 (IV)	2020	2348-2397
19		Evaluation of Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA)	Pegu, G.	Economics	SHODH SANCHAR BULLETIN, Vol.10, Issue 38 (IV)	2020	2229-3620
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21		Portrayal Of Women In Sangam Literatute	Veenu Pant	History	Shodh Sarita 7(25): 201-205.	2020	2348-2397

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23	The Notion of Peace and the Lepchas in Sikkim	Anira, P. Lepcha,	History	Journal of Modern Thamizh Research ,15:279-283.	2021	2321-984X
24	A Historical Note on Sacred Geography of Medieval Tamilakam	Jeevandanam, S.	History	Journal of the Asiatic Society of Bengal LXII, no. 3.: 114-131.	2020	2229-3671
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26	DevasasiyumAvarkalinSadankuMuraikalum: Or VaralarrupParvai (Devadasi's and their Rituals: A Historical Study). (in Tamil)	Jeevandanam, S.	History	Modern Thamizh Research - An International Multi-Lateral Thamizh Journal 8, no. 2: 241-248.	2020	2321-984X

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	28	Intrusions and violation of LoC in India China Border	Sebastian N	International Relations	Economic and Political Weekly Vol. LV, No. 32 pp 22-26	2020	2349-8846
	29	Neoliberal Transformation of Indian State and its Impacts on Constitutional Values: A Critical Examination	Sebastian N	International Relations	Journal of Parliamentary Studies, 10, no. (2) pp 39-50	2020	2231-0355
	30	Forensic Examination Of Simple Hurt And Grievous Hurt: A Spurious Distinction	Mishra, P and Tiwari V.P	Law	ILI Law Review: 1-18	2020	0976-1489
	31	Decriminalization of Adultery in India: A Socio-Legal Upheaval	Mishra, P and Bhutia, S.Y.	Law	The Banaras Law Journal 49: 186-198.	2020	0522-0815

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33	From Unconstitutionality to Criminalization of Triple Talaq	Denkila, B.,	Law	Tathapi Journal, 19, Issue May, 1-15.	2020	2320-0693
34	Politics and Economics of Hydropower: Emerging Conflicts	Rai, N.	Peace and Conflict Studies and Management	In Affordable and Clean Energy, Encyclopaedia of the UN Sustainable Development Goals (Eds. Filho, L.W et.al)	2020	
35	Politics of Tribalisation and Contested Space in Sikkim	Chhetry, K.T.	Peace and Conflict Studies and Management	In Handbook of Tribal Politics in India (Eds. Ambagudia, J and Xaxa, V).	2021	978-93-5388-458-1



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	37	Power Transition(s) in Sikkim: Analysing Party behaviour	Chhetry, K.T. and Adhikari, N.	Peace and Conflict Studies and Management	International Journal of Multidisciplinary Educational Research , Vol: 9, Issue No: 1(2).	2020	2277-7881
	38	Hydro Power Project Induced Conflict: A Study of Lepcha Community of Dzongu	Lepcha, R.	Peace and Conflict Studies and Management	International Journal of Research in Engineering, Science and Management, 4 (1): 72-81,	2021	2581-5792

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41	Women Migration and Remittances. In Gender Equality	Brahma, S. and Paul, S.	Peace and Conflict Studies and Management	Encyclopedia of the UN Sustainable Development Goals (Eds. Filho, L.W	2020	NA

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42	Beggary as Non Traditional Security Threat in West Bengal, India. A Triannual Bilingual Refereed Journal of Humanities and Social Sciences	Sharma, S.	Peace and Conflict Studies and Management	Varanasi : History and Historical Writing Association, 107-117.	2020	NA	
43	Human Rights of Women Migrants	Brahma, S. and Paul, S.	Peace and Conflict Studies and Management	In Gender Equality, Encyclopaedia of the UN Sustainable Development Goals (Eds. Filho, L.W et.al), pp . pp 1-9	2020	NA	
44	The Trajectory of India's Foreign Affairs Strategy: Vajpayee to Modi	Gupta, Amit Kumar	Political Science	Shodh Sarita, Vol. 8, Issue 29, January to March 2021.	2021	2348-2397	
45	Grand Strategy and India's Foreign Policy	Gupta, Amit Kumar	Political Science	Shodh Sanchar Bulletin, Vol. 11, Issue 41,	2021	2229-3620	

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47	भारतीयविदेशनितिसंबंधितसामरिकचितनः एकविवेचन	Gupta, Amit Kumar	Political Science	Gyan Garima Sindhu, Issue 68, October - December, 2020.	2020	2321-0443	
48	Perception of India's Soft Power: As Perceived by People Within and Around the Globe – Report from the Field Survey	Gupta, Amit Kumar	Political Science	Dialogue Quarterly, Vol. 21, No. 4, April-June, 2020.	2020	0973-0095	

49	Gender and Exclusion Retrospective Analysis of the School Education Scenario in Sikkim	Thapa, S. & Yumnam, S.	Sociology	Journal of Sociology and Social Anthropology, 11(1-2): 142-153	2020	0976-6634
50	Migration and Socio Economic Adaptation: A Study of Tibetans in Rumtek Dharama Chakra Centre, Sikkim	Choden S, Thapa S & Yumnam, S	Sociology	Sociological Bulletin, 1-17	2020	0038-0229
51	Solid Waste Management Practices and Raising Environmental Concerns: A Case Study of Gangtok Municipal Corporation Areas, Sikkim. 73(1-3): 56-66	Khange mbam, I	Sociology		2021	0970-
52	Anthropometric Characteristics of Rural Bengali Adolescence Girls from North Bengal	Sinha, I., Roy N., Mondal, N., and Sen, J.	Anthropology	India. Antrocom Journal of Anthropology 17(1):155-167. ISSN	2021	1973-2880

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53	Vertical Transmissibility: to be or not to be	Ray, A.K., Roychoudhury, M., Das, M.C., Das, S., Baksh, S., & Mondal, N.	Anthropology	Journal of Reproductive Health Care and Medicine	2021;(2): 12.	2021	2768-1106
54	Association of Menopause and Cancer in Global scenario among post-menopausal women	Roy, C., & Mondal, N.	Anthropology	Antrocom Journal of Anthropology	16(2): 367-373.	2020	1973-2880
55	Socio-economic and Demographic Determinants of Double Burden of Malnutrition among Rajbanshi School Children Aged 9-14 Years from North Bengal, India	Bose A, Sinha I, Tigga PL, Mondal N., & Sen, J.	Anthropology	Antrocom Journal of Anthropology	16(2):141-152.	2020	1973-2880
56	Association between age at menarche and age at menopause among women of an indigenous population of North Bengal	Sinha, I., Tigga, P., Mondal, N., and Sen, J.	Anthropology	India. Journal of Biosocial Science,	53(3), 319-335.	2021	0021-9320

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58	Anthropometric measurements and its indication towards health among post-menopausal women of Mishing community, Lakhimpur district, Assam	Roy C, Mondal N, Singh H.V.	Anthropology	Human Biology Review 9(2):183-200.	2020	2277-4424
59	Nutritional status and Health related issues among the rural women of KarbiAnglong, Assam (India)	Sharma J, & Mondal N.	Anthropology	Human Biology Review, 9 (2), 146-165.	2020	2277-4424
60	Maternal Socioeconomic Conditions and Health of the Children of Lingmoo Village, South Sikkim	Singh, M.S. & Chhetri, D.D.	Anthropology	Online Journal of Health and Allied Sciences 19(2):2	2020	0972-5997
61	Menstrual Characteristics among the Nepali Adolescent Girls	Chhetri, D.D & Singh, M.S.	Anthropology	Indian Journal of Public Health Research and Develop	2020	0976-0245

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62	Menstrual hygienic practices and associated parental socio-economic status among Nepali adolescent girls of Sombaria Village, West Sikkim	Chhetri, D.D. & Singh, M.S.	Anthropology	Journal of the Social Sciences,	48(4):104-111.	2020	0253-1097
63	Rising Prevalence of Obesity and its Associated Socioeconomic Factors Among the Urban Women of Gangtok, Sikkim	Rai, S. & Singh, M.S.	Anthropology	Online Journal of Health and Allied Sciences,	20 (1): 1-4	2021	0972-5997
64	Covid19 Pandemic and Music Listening: A Case Study in Sikkim Himalayas	Gazmer, S.P., Bandhopadhyaya, S. & Rama Mohan, K.R	Anthropology	Journal of Social Sciences,	48(3): 1751-65.	2020	0253-1097
65	Medical Ecology among the Lepchas of Sikkim Himalayas	K.R. Rama Mohan, & Lepcha, T. Z.	Anthropology	Journal of Man, Environment and Society,	1(1):37-49	2020	2582-7669
66	Local Knowledge and Marine Livelihoods among	Pukkaalla, D. & Rama	Anthropology	Journal of Asian and		2020	0021-9096



		the South Indian Fishing Community	Mohan, K.R.		African Studies, 56(3):549-557		
67		Governance and Sustainability of Industrial Cooperative (INDCO) Tea Factories in Nilgiris in the Post-Reform Period	Hannan, A.	Geography	Hill Geographer 36 (2): 41-50.	2020	0970-5023
68		Spatio-Temporal Assessment of Bank Line shifting of Raidak II River, West Bengal, Hill Geographer, 35 (2): 59-72	Singh, E. I. and Singha, A. K.	Geography		2020	0970-5023
69		Problems and Challenges on Urban Water Management in Darjeeling Hill Town	Ghatani, S.	Geography	Asian Research Journal of Arts & Social Sciences 13(2): 24-33.	2021	2456-4761
70		Stigma and discrimination attached to COVID-19 pandemic in India: Issues and challenges	Kashyap, K., & Panda, S.	Psychology	Journal of Xi'an University of Architecture & Technology, 12(8), 288-301.	2020	1006-7930

71	Psycho-perceptual aspects of positive behaviour among patients with head and neck cancer	Kashyap, K., & Panda, S.	Psychology	The Journal of Behavioral Science, 15(3), 1-18.	2020	1906-4675
72	Mindfulness-based interventions during the COVID-19 pandemic: A focused review. Open Journal of Psychiatry & Allied Sciences	Khawas, A., Paul, A., & Panda, S.	Psychology	Formerly Dysphrenia (OJPAS) Jan 7.	2020	2394-2053
73	Psycho-social issues and challenges among parents of intellectually and sensorily disabled children	Das, K., Kashyap, K., & Panda, S.	Psychology	Indian Journal of Psychological Science, 12(1), 112-120.	2020	0976-9218
74	Does single help-seeker receive more help? The effect of being alone or accompanied while help-seeking on chance of receiving help.	Roy, S., Maheshwari, S., & Mukherjee T	Psychology	Current Psychology (online first).	2021	1046-1310
75	Capital access and its mobilization for academic achievement: A case of Indian higher education system	Maheshwari, S., & Singh, P.	Psychology	Research in Education (online first).	2021	0034-5237

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77	Do mindsets help in controlling eye gaze? A study to explore the effect of abstract and concrete mindsets on eye movements control	Maheshwari, S., Tuladhar, V., Roy, S., Palaskshi S., Rai, K. Thargay, T.	Psychology	Journal of General Psychology (online first).	2020	0022-1309
78	Fear of death in the shadow of COVID-19: The mediating role of perceived stress in the relationship between neuroticism and death anxiety	Pradhan, M., Chettri, A. & Maheshwari, S.	Psychology	Death Studies (online first).	2020	0748-1187
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80	Bone, Stone and Throne: Exploring the Rise of Relic Veneration Cult and Its Impact	Roy, Dhriti	Chinese	Dharma 2564 B.E. (86): 17-34	2020	2347-3428

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81	Da Bore Boluo Miduo Jing: An Ancient Chinese Buddhist Manuscript on the Prajnaparamita Sutra Discovered in Sikkim	Roy, Dhriti	Chinese	The Maha Bodhi 2564 B.E. (128): 41-49	2020	0025-0406	
82	'China Dream': Xi Jinping's Flagship Rhetoric For Achieving Socialism With Chinese Characteristics In The New Era	Ulman, S. A,	Chinese	Shodh Sarita, 7 (28): 23-28.	2020	2348-2397	
83	Rethinking Boundaries: Indian-Nepali Feminist Writing and Third World Feminism	Chamling, Rosy	English	Literary Voice. Vol. 1, No.13. pp. 156-160.	2021	2277-4521	
84	The Politics of Gender: Hope Cook in Sikkimese History. Man and Society	Chamling, Rosy	English	A Journal of North-East Studies. Vol.XVII, pp.156-160	2020	0239-3271	
85	Saucure ka chintan ?	Singh, Hardeep	Hindi	Hindi Anusheelan, v 62, issue 4	2020	2249-930X	
86	Samakalin Hindi Kavita Mein Stree	Shahu, D.,	Hindi	Aalochan Drishti	2021	2231-3990	

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87	Sikkim Mein Hindi Ka Unnayan; Sambhawnaen evm Chunautiyan	Tripathi, P.,	Hindi	Samsam yik Srijan.21 : 124- 126	2021	2320- 5733	
88	Atmkathatmak Shaili Aur Amarkant Ki Kahaniyan	Tripathi, P.,	Hindi	Madhum ati. 05: 69-72	2020	2321- 5569	
89	Rachana Vidhan Mein Sanket Aur Vyangya Ki Arthvatta.26	Tripathi, P.,	Hindi	33-40	2021	2250- 2335	
90	Bharatiya Nepali Katha-Sahitya mein Kolkata Mahanagar ka Pratinidhittva	Lama, K.	Nepali	Kanchan jangha 1(1): 101-119	2020	25826- 530	
91	Saundarya evam Saundarya Sidhanta: Sandharva Chitsimiraka Kathaharu	Lama, K.	Nepali	Himalay an Research Journal3 (1): 10- 17	2020	2278- 280X	
92	Laingik Samanta: Muktika Margama Nari	Sharma, Pushpa.	Nepali	Himalay an Research Journal3 (1) : 48- 59	2020	2278- 280X	
93	Samakalin Nepali Kavitama Kirateli Mythakko Prayog	Bantawa , Suman	Nepali	Himalay an Research Journal3 (1) : 61- 70	2020	2278- 280X	

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95	Remodeling of root architecture under combined arsenic and hypoxia stress is linked to nutrient deprivation	Kumar, V. Vogelsan g, L., Sharma, S.S., Seidel, T., Dietz, K.J.	Botany	Frontiers in Plant Science 11: 569687.	2020	1664- 462X
96	Differential arsenic- induced membrane damage and antioxidant defence in isolated pinna segments of selected fern species from Western Himalaya	Kumar, V, Dietz, K.J., Sharma, S.S.	Botany	Journal of Plant Growth Regulatio n 40: 855-866.	2021	0721- 7595
97	Metalloid dependent signalling in plants	Sharma, S.S., Kumar, V, Dietz, K.J.	Botany	Trends in Plant Science 26: 452- 471.	2021	1360- 1385
98	Seed germination characteristics of Ratanjot, Arnebia euchroma (Royle) I.M. Johnston, a threatened medicinal plant species from cold desert of Spiti (Himachal Pradesh,	Sharma, A., Sharma, S.S.	Botany	The Journal of the Indian Botanica l Society 99: 149- 159.	2020	001944 68

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99		Isaria tenuipes Peck, an entomopathogenic fungus from Darjeeling Himalaya: Evaluation of in-vitro antiproliferative and antioxidant potential of its mycelium extract	Chhetri DR, Chhetri A, Shahi N, Tiwari S, Karna SKL, Lama D and Pokhrel YR	Botany	BMC Complementary Medicine and Therapies, 20:185	2020	
100		Phytochemical and antioxidant attributes of Rhus chinensis Mill. an edible wild fruit from Sikkim Himalaya	Chhetri DR, Mahanta J, Chhetri A, Pradhan A	Botany	The Journal of Plant Science Research . 36(1-2): 157-166	2020	0970-2539
101		Distribution, harvesting and trade of Yartsa Gunbu (Ophiocordyceps sinensis) in Sikkim Himalaya, India	Pradhan BK, Sharma G, Subba B, Chhetri S, Chhetri A, Chhetri DR and Pradhan A	Botany	Mountain Research and Development, 40 (2): R41-49 2020	2020	0276-4741

102	A new species of Aconitum (Ranunculaceae) form Indian Eastern Himalayan state of Sikkim	Singh, H, Pradhan, A, Adhikari, D, Chettri, A and Barik, S.K.	Botany	Phytotaxa 484 (2):207-216.	2021	1179-3155
103	Identifying morphological diversity and superior germplasm of Citrus reticulata Blanco (Mandarin) in Sikkim and Darjeeling Himalayas, India: an application of DIVAGIS and cluster analysis	Gurung, S, Chettri, A, Tamang, M and Chettri, M	Botany	Australian Journal of Crop Science 14(10): 1575-1582.	2020	1835-2707
104	Phytochemical and antioxidant attributes of Rhus chinensis Mill., an edible wild fruit from Sikkim Himalaya	Chhetri, Dhani, R, Mahanta, J, Chettri, A and Pradhan, A	Botany	Journal of Plant Science Research, 36(1-2): 163-172.	2020	2349-2805
105	Predicting the distribution of suitable habitats for Pandanus unguifer Hook. f. - a dwarf endemic species from Sikkim Himalayas,	Pradhan, A, Adhikari, D and Chettri, A	Botany	International Journal of Conservation Science, 11(1): 145-152.	2020	2067-8223



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106	Carbon cycling and balance in a traditional cardamom based agroforestry system of Sikkim Himalayas	Lepcha, N.T., Devi, N.B.,	Botany	Trop. Ecol. 61, 527–537.	2020	0564-3295	
107	Effect of land use, season, and soil depth on soil microbial biomass carbon of Eastern Himalayas	Lepcha, N.T., Devi, N.B.,	Botany	Ecol. Process. 9, 65.	2020	2192-1709	
108	Micropropagation of Bird of Paradise ( <i>Strelitzia reginae</i> Ait.)	Rai O., Rana M. and Bag N.	Horticulture	Natl. Acad. Sci. Lett. 44(5): 447–451	2021	0250-541X	
109	Isolation and characterization of plant growth promoting rhizobacteria isolated from organically grown high yielding pole type native pea ( <i>Pisumsativum</i> L.) variety Dentamiof Sikkim, India	Sherpa MT, Bag N, Das S, Haokip P and Sharma L.	Horticulture	Current Research in Microbial Sciences	2021	2666-5174	
110	Understanding rice growth-promoting potential of <i>Enterobacter</i> spp. isolated from long-	Panneerselvam P, Senapati A,	Horticulture	Current Research in Microbial Sciences,	2021	2666-5174	

		term organic farming soil in India through a supervised learning approach	Sharma L, et.al.		Vol. 2: 100035		
111		Ionome signature discriminates the geographical origin of jackfruits (Artocarpus heterophyllus Lam.)	Debbarm a Nadia, Manivan nan Subrama nian, Muddars u, Venkata Ramana, Umadevi Palaniya ndi, Upadhya y Sujata	Horticult ure	Food Chemistr y.339 (2021) 127896: 1-9	2020	0308-8146
112		Changes in microbial communities and their predictive functionalities during fermentation of toddy, an alcoholic beverage of India	Das, S. and Tamang, J.P.	Microbiol ogy	Microbiol ogical Research 248: 126769.	2021	0944-5013
113		Prevalence of enterotoxin genes and antibacterial susceptibility pattern of pathogenic bacteria isolated from traditionally preserved fish	Bhutia, M.O., Thapa, N. and Tamang, J.P.	Microbiol ogy	Food Control 125: 108009.	2021	0956-7135

		products of Sikkim, India					
114		Phenotypic and genotypic characterizations of lactic acid bacteria isolated from exotic naturally fermented milk (cow and yak) products of Arunachal Pradesh, India	Shangpliang, H.N.K. and Tamang, J.P.	Microbiology	International Dairy Journal 18: 105038.	2021	0958-6946
115		Bacterial and fungal communities and their predictive functional profiles in kinema, a naturally fermented soybean food of India, Nepal and Bhutan	Kharnaier, P. and Tamang, J.P.	Microbiology	Food Research International 140, 110055.	2021	0963-9969
116		Metataxonomic profiling of bacterial communities and their predictive functional profiles in traditionally preserved meat products of Sikkim state in India	Bhutia, M.O., Thapa, N., Shangpliang, H.N.K. and Tamang, J.P.	Microbiology	Food Research International 140, 110002.	2021	0963-9969
117		Molecular characterisation of bacteria, detection of enterotoxin genes and antibiotic susceptibility	Bhutia, M.O., Thapa, N. and Tamang, J.P.	Microbiology	Frontiers in Microbiology 11:599606.	2021	1664-302X

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118	Probiotic properties of lactic acid bacteria isolated from traditionally prepared dry starters of the Eastern Himalayas	Pradhan, P. and Tamang, J.P.	Microbiology	World Journal of Microbiology and Biotechnology 37, 7.	2021	0959-3993	
119	High-throughput sequence analysis of bacterial communities and their predictive functionalities in traditionally preserved fish products of Sikkim, India	Bhutia, M.O., Thapa, N., Shangpliang, H.N.K. and Tamang, J.P.	Microbiology	Food Research International 143, 109885.	2021	0963-9969	
120	Influence of biosurfactant producing <i>Bacillus tequilensis</i> LK5.4 isolate of kinema, a fermented soybean, on seed germination and growth of maize ( <i>Zea mays</i> L.)	LK Chaurasia, B Tamang, RK Tirwa, PL Lepcha	Microbiology	Biotech 10: 1-12.	2020	0944-5013	
121	Draft genome sequence of <i>Lactobacillus plantarum</i> strain DMR17 isolated from homemade	Ranjan Kaushal Tirwa, Isfaq Nabi Najar,	Microbiology	Archives of Microbiology 203: 305-315	2020	0956-7135	

		cow dahi of Sikkim Himalayan region: an evaluation of lactate fermentation and secondary metabolism	Nagendra Thakur, Lalit K. Chaurasia, B. Tamang				
122		Lactobacillus plantarum Isolates from Homemade Dahi as a Potential Probiotic with In vitro $\alpha$ -amylase Inhibitory Activity	RK Tirwa, B Tamang, LK Chaurasia	Microbiology	Journal of Applied and Pure Microbiology 12: 1167-1180	2020	
123		Antibacterial and cell envelope damaging properties of different solvent extracts of <i>Rhus chinensis</i> Mill. against <i>E. coli</i> and <i>Staphylococcus aureus</i>	Poudyali, B. and Singh, B.	Microbiology	Indian Journal of Traditional Knowledge 19 (2): 428-434	2020	0975-1068
124		Diversity and composition of the North Sikkim hot spring mycobioneme using a culture independent method	Das, S., Roy, G., Najar, I.N., Sherpa, M.T., Thakur, N.	Microbiology	Folia Microbiologica 66.	2021	1874-9356
125		Exploration of microbial diversity of Himalayan glacier moraine soil using 16S amplicon sequencing and	Sherpa, M.T., Najar, I.N., Das, S.,	Microbiology	Current Microbiology 78(1): 78-85.	2020	1432-0991

		phospholipid fatty acid analysis	Thakur, N.,				
126		Reclassification of <i>Geobacillusgalactosidasius</i> and <i>Geobacillusyumthangensis</i> as <i>Parageobacillusgalactosidasius</i> comb. nov. and <i>Parageobacillusyumthangensis</i> comb. Nov. respectively	Najar, I. N., Das, S., Thakur, N.	Microbiology	International Journal of Systematic and Evolutionary Microbiology 70(12):6518-6523	2020	1466-5034
127		Distribution Of Antibiotic And Metal Resistance Genes In Two Glaciers Of North Sikkim, India	Sherpa, M. T., Najar, I. N., Das, S. and Thakur, N.	Microbiology	Ecotoxicology and Environmental Safety 203. (4):1110-37	2020	0147-6513
128		A Review On <i>Geobacillus</i> And Its Applications	Najar, I. N. and Thakur, N.	Microbiology	Microbiology 166(9):800-816.	2020	1465-2080
129		Diversity analysis and metagenomic insights into the Antibiotic Resistance and Metal Resistances among Himalayan Hot Spring Bacteriobiome-insinuating inherent	Najar, I. N., Sherpa, M. T., Das, S., Das, S., Thakur, N.	Microbiology	Journal of Global Antimicrobial Resistance 21,342-352.	2020	2213-7165

		environmental baseline levels of Antibiotic and Metal tolerance					
130		Chemical Ecology and Microbial Quality Assessment of Water of Recreational Hot Springs of Sikkim Himalayas	Sayak Das, Goshaidas Roy, Mingma Thundhu Sherpa, Ishfaq Nabijar, Thakur, N.	Microbiology	Journal of Water and Environment Technology, 2020, Volume 18, Issue 6, Pages 398-414	2020	1874-9356
131		Metavirome and its functional diversity analysis through microbiome study of the Sikkim Himalayan hot spring solfataric mud sediments	Das, S., Kumari, A., Sherpa, M.T., Najar, I. N., Thakur, N.	Microbiology	Curr Res Microbial Sci.1:18-29	2020	0666-5174
132		Prevalence of methanogens in the uncultured Sikkim hot spring solfataric mud archaealmicrobiome	Das, S., Sherpa, M.T., Najar, I. N., Thakur, N.	Microbiology	Environmental Sustainability 3: 453-469.	2020	2523-8922
133		Human microbiome: an academic update on human body site specific surveillance and its possible role	Elakshi Dekaboruah, Mangesh Suryavanshi and	Microbiology	Archives of Microbiology 202.8 :2147-2167.	2020	0302-8933

			Verma, A.K.				
134	Innovations in CAZyme gene diversity and its modification for biorefinery applications	Chettri Dixita, Ashwani Kumar Verma, and Verma, A.K.	Microbiology	Biotechnology Reports28.	2020	2215-017X	
135	Role of extremophiles and their extremozymes in biorefinery process of lignocellulose degradation. Extremophiles: life under extreme conditions.	Chettri, Dixita, Ashwani Kumar Verma, Lija Sarkar, and Verma, A.K.	Microbiology	<i>Extremophiles: life under extreme conditions.</i>	2021	1431-0651	
136	Study of Interaction Between Bovine Serum Albumin and Dolutegravir Intermediate: Fluorescence and Molecular Docking Analysis 11, 5, 13102 -13110	Sunita Behera, RubiBehura, Verma, A.K., B. R. Jali.	Microbiology	Biointerface Research in Applied Chemistry	2021	2069-5837	
137	Spectroscopic, cytotoxicity and molecular docking studies on the interaction between 2, 4-dinitrophenylhydrazine derived Schiff	Behera, S., R. Behura, M. Mohanty, R. Dinda, P. Mohanty, Verma,	Microbiology	Sensors International 1: 100048.	2020	2666-3511	



		bases with bovine serum albumin	A.K., Suban K. Sahoo, and B. R. Jali.				
138		Distribution of amphibians along an elevation gradient in the Eastern Himalaya, India.	Chettri, B., and Acharya, B.K.	Zoology	Basic and Applied Ecology 47: 57-70.	2020	1439-1791
139		HLA-A -B and -DRB1 distribution in Kami: A caste population of Gorkha community from the sub-Himalayan region of West Bengal, India	Singh, B., Chamlagai, D. and Gurung, J.	Zoology	Human Immunology 81(8):395-396.	2020	0198-8859
140		HLA Profile of Kami Population Refutes the Earlier Proposition of Exclusive Closer Genetic Affinity of All the Gorkhas to Mongoloids	Singh, B., Chamlagai, D. and Gurung, J.	Zoology	Human Heredity, 85(1):45-50.	2020	0001-5652
141		An investigation of traditional uses and anti-inflammatory property of <i>Clematis b Buchananiana</i> De Candolle and <i>Tupistranutans</i> Wall. ex Lindl.: Native ethnomedicinal	Singh, B., Brahma, M. and Gurung, J.	Zoology	Indian Journal of Traditional Knowledge (IJTK), 19(4), pp.719-727.	2020	0972-5938

		plants from Sikkim, India					
142		Role of 5-HTTLPR in suicide: beyond association, meta-analysis and future prospects	Singh B.	Zoology	Annals of Indian Psychiatry 5:4-11	2021	2588-8358
143		Do sub-groups of butterflies display different elevational distribution patterns in the Eastern Himalaya, India?	Dewan, S., Acharya, B.K., Vetaas, O.R. and Ghatani, S.	Zoology	Frontiers of Biogeography 12(3): e49643	2021	1948-6596
144		Stable lead-halide perovskite quantum dots as efficient visible light photocatalysts for organic transformations	Pradhan, S., Bhujel, D., Gurung, B., Sharma, D., Basel, B., Rasaily, S., Thapa, S., Borthakur, S., Ling, W., Saikia, S., Reiss, P., Pariyar, A. and	Chemistry	Nanoscale Advances 3: 1464-1472	2021	2516-0230

			Tamang, S.				
14 5	Tunable NIR-II emitting silver chalcogenide quantum dots using thio/selenourea precursors: preparation of an MRI/NIR-II multimodal imaging agent	Bhardwaj, K., Pradhan, S., Basel, B., Clarke, M., Brito, B., Thapa, S., Roy, P., Borthakur, S., Saikia, S., Pariyar, A. and Tamang, S.	Chemistry	Dalton Transaction 10:1542 5-15432.	2020	1477-9234	
14 6	DBU-Catalysed One-Pot Synthesis of Nearly any metal salt of fatty acid (M-FA): A Library of Metal Precursors to Semiconductor Nanocrystal Synthesis	Basel, B., Bhardwaj, K., Pradhan, S., Pariyar, A. and Tamang, S.	Chemistry	ACS Omega 5:6666 – 6675	2020	2470-1343	
14 7	Efficient visible light mediated synthesis of quinolin-2(1H)-ones	S. Mandal, S. Bhuyan, S. Jana,	Chemistry	Green Chem., 23, 5049	2021	1463-9262	

		from quinoline N-oxides	J. Hossain, K. Chhetri, B. G. Roy				
148		Efficient metal-free visible light photocatalytic aromatization of azaheterocycles	K. Chhetri, S. Bhuyan, S. Mandal, S. Chhetri, P. T. Lepcha, S. W. Lepcha, J. Basumatary, B. G. Roy	Chemistry	Curr. Res. Green Sustain. Chem., 4, 100135	2021	2666-0865
149		Efficient iron catalyzed ligand-free access to acridines and acridinium ions	S. Mandal, K. Chhetri, S. Bhuyan, B.G. Roy	Chemistry	Green Chem., 22, 3178 - 3185	2020	1463-9262
150		Targeting the trypanothione reductase of tissue-residing Leishmania in hosts' reticuloendothelial system: Flexible water-soluble ferrocenylquinoline-	D. Mukherjee; Md Yousuf, B. G. Roy, S. Singh, S. Chakraborty, S.	Chemistry	Journal of Medicinal Chemistry 63, 15621-15638	2020	0022-2623

		based preclinical drug candidate	Adhikari, , C. Pal				
151		Engineering bio-molecular device with biocompatible sensor via symmetric encryption-decryption of spectroscopic signals towards F-detection and Zn <sup>2+</sup> recognition by the imine hydrolysis pathway	P. Ghosh, S. Paul, D. Dey, S. Jana, B. G. Roy, S. K. Mukhopadhyay and P. Banerjee	Chemistry	New J. Chem., 44, 15251-15259 Indra Hang Subba, Ranjit Kumar Singh, Nayan Sharma, Souvik	2020	1144-0546
152		Understanding asymmetry in electromagnetically induced transparency for <sup>87</sup> Rb in strong transverse magnetic field:	Chatterjee, and Ajay Tripathi	Chemistry	Eur. Phys. J. D 74: 136	2020	0144-0546
153		Theoretical investigation of intense ultrashort xuv pulse-induced Auger cascade in krypton	Souvik Chatterjee	Chemistry	J. Opt. Soc. Am. B 37, 3099	2020	0030-3941
154		Automatic Localization of Elevation Values in a Poor Quality Topographic Map	Pradhan, A., Pradhan, M. P.	Computer Applications	International Journal of Image and Graphics	2021	0219-4678

					21: 01, 2150009		
155	Data Science in Unveiling COVID-19 Pathogenesis and Diagnosis: Evolutionary Origin to Drug Repurposing	Jayanta K Das, G Tradigo, P Veltri, P H Guzzi*, and Swarup Roy*	Computer Applications	Briefings in Bioinformatics (Oxford), Vol. 22 No. 02, pp. 855-872.	2021	1477-4054	
156	Mapping Sequence to Feature Vector using Numerical Representation of Codons Targeted to Amino Acids for Alignment-Free Sequence Analysis	Jayanta K Das, AntaraSengupta, Pabitra Paul Choudhury, Swarup Roy*	Computer Applications	GENE (Elsevier), Vol. 766, 145096,	2021	0378-1119	
157	Prioritizing DiseaseBiomarkers using FunctionalModule based Network Analysis: AMultilayer Consensus DrivenScheme	Monica Jha, 1 Swarup Roy* andJugal Kalita	Computer Applications	Computers in Biology and Medicine (Elsevier), Vol. 126 ,No. 104023, pp. 1--8.	2020	0010-4825	
158	An Incremental Approach for Hierarchical Community Mining in Evolving Social Graphs	Keshab Nath, Swarup Roy*& Sukumar Nandi	Computer Applications	Int. Journal of Intelligent Enterprise	2021	1745-3240	

					(Inderscience), Vol. 8 (2-3) pp. 123-141		
159	BloTHR: Electronic Health Record Servicing Scheme in IoT-Blockchain Ecosystem	Ray, P. P., Chowhan, B., Kumar, N., Almogren, A.	Computer Applications	IEEE IoT Journal.	2020	2327-4662	
160	SDN/NFV Architectures for Edge-Cloud IoT Environment: A Systematic Review	Ray, P. P., Kumar, N.	Computer Applications	Computer Communications.	2020	0140-3664	
161	Biofuel Powered Electronic Skin: Future of Healthcare	Ray, P. P., Majumder, P.	Computer Applications	Current Science. Volume 119, Issue 12.1882-83	2020	0011-3891	
162	Intelligent Ingestibles: Future of Internet of Body	Ray, P. P.	Computer Applications	IEEE Internet Computing.	2020	1941-0131	
163	Reducing Data Gathering Delay for Energy Efficient Wireless Data Collection by Jointly Optimizing Path and Speed of Mobile Sink	Dash, D., Kumar, N., Ray, P. P., Kumar, N.	Computer Applications	IEEE Systems.	2020	1937-9234	

164	Special Issue Editorial: Internet of Things as a Key Enabler of Dew Computing. Internet of Things	Ray, P. P., Frincu, M., Wang, Y., Skala, K.	Computer Applications	Elsevier.	2020	2542-6605
165	Streaming Service Provisioning in IoT-based Healthcare: An Integrated Edge-Cloud Perspective	Ray, P. P., Dash, D., Mustafa, N.	Computer Applications	Transactions on Emerging Telecommunications Technologies	2020	2161-3915
166	Coronavirus: A Novel Threat and ICT-based Mitigation	Ray, P. P., Majumder, P.	Computer Applications	Current Science, 2020.	2020	0011-3891
167	Intelligent Internet of Things Enabled Edge System for Smart Healthcare	Ray, P. P., Dash, D., De, D.	Computer Applications	National Academy Science Letters.	2020	2250-1754
168	Sensors for internet of medical things: State-of-the-art, security and privacy issues, challenges and future directions	Ray, P. P., Dash, D., Kumar, N.	Computer Applications	Computer Communications.	2020	0140-3664
169	Bacteria-on-a-Chip: Emergence of Digital Medicine	Ray, P. P., Majumder, P.	Computer Applications	Current Science.	2020	0011-3891
170	Recent Developments in Earth & Environmental	Tewari, V.C.	Geology	Jour. Ind. Geol. Congress	2020	2229-435X



		Sciences, Natural Resource Management and Climate Change with special focus on Eastern Himalayas			,12 ( 1 ) : 53-57.		
171	Indian Summer Monsoon variability in northeastern India during the last two millennia	Dutt, Som., Gupta, A.K., Cheng, Hai, Clemens, S.C., Singh, R.K. and Tewari, V.C.	Geology	Quaternary International	2020		
172	Identifying causes and management of river bank erosion in Majuli Island, India, Environment	Dipika Dutta, Anil Kumar Misra, Amit Srivastava, Sajjaf Jawaid	Geology	Development and Sustainability: 23:10853-10868.	2021	1387-585X	
173	Development of geopolymer cement concrete for highway infrastructure applications	Niragi Dave, Vaishali Sahu, and Anil Kumar Misra,	Geology	Journal of Engineering, Design and Technology.	2020	1726-0531	
174	Allosteric regulation of Glutamate dehydrogenase	Bera S, Rashid M,	Mathematics	Scientific Reports	2020	2045-2322	

		deamination activity	Slijoka A, Li B-L, Chakraborty A		10: 16523		
175		Equivariant one-parameter deformations of Lie triple systems	Yadav RB, Behera N, Bhutia R	Mathematics	Journal of Algebra 568: 467-479.	2021	0021-8693
176		Thermodynamic processes in dusty plasma	K. Avinash	Physics	Journal of Plasma Physics, 86: 905860521.	2020	0022-3778
177		AdS black holes with higher derivative corrections in presence of string cloud	Tanay K. Dey and Subir Mukhopadhyay	Physics	Eur. Phys. J. C, 80, 1012.	2020	1434-6052
178		Holographic charge density wave from D2-D8	Nishal Rai and Subir Mukhopadhyay	Physics	Journal of High Energy Physics 05	2020	1029-8479
179		Ritha: A Greener Cleaner Way of Life	Amitabh a Bhattacharyya,	Physics	Glocal Colloquies, Vol 5, March 2019, pp 35-46	2020	2454-2423
180		Nanosecond pulsed laser ablation of Al-Cu-Fe quasicrystalline	Rawat, R., Tiwari, A., Arun, N., Rao,	Physics	Journal of Alloys and Compounds,	2021	0925-8388

		material: Effects of solvent and fluence	S.N., Pathak, A.P., Shadangi, Y., Mukhopadhyay, N.K., Rao, S.V. and Tripathi, A.,		859, 157871.		
181		Green synthesis of strongly luminescent Si/SiO <sub>2</sub> nanoparticles using <i>Actinidia deliciosa</i>	Gurung, S., Arun, N., Tripathi, A., Pathak, A. P., & Tiwari, A.	Physics	Radiation Effects and Defects in Solids, 176(1-2), 38-48.	2021	
182		Understanding asymmetry in electromagnetically induced transparency for 87 Rb in strong transverse magnetic field	Subba, I. H., Singh, R. K., Sharma, N., Chatterjee, S., & Tripathi, A.	Physics	The European Physical Journal D, 74(7), 1-9	2020	1434-6079
183		Self-assembly of arsenic nanoparticles into magnetic nanotubules and their SERS activity	Sherpa, L., Tripathi, A., Singh, M., Mandal, R., &	Physics	Applied Physics A, 126(7), 1-8.	2020	143-20630

			Tiwari, A.				
184	Nonlinear $\delta f$ particle in cell gyrokinetic simulations of the microtearing mode	J Chowdhury, Y Chen, SE Parker	Physics	Physics of Plasmas 27 (4), 042309.	2020	1070-664X	
185	History and Evaluation of Banking in Sikkim	Chettri C.B, A. Dutta & S.S. Mahapatra	Commer ce	Orissa Journal of Commerce, Vol XXXXII, Oct-Dec 2020, Issue No.IV, 325-339	2020	0974-8482	
186	Choice of Methods in Predicting Index Returns using Artificial Neural Network for National Stock Exchange of India	Dutta Abhijit	Commer ce	Internati onal Journal of FutuSER Cre Communication and Networki ng Vol 14, no 1 February , 01-08	2021	2233-7857	
187	Defence Expenditure and Economic Performance in SAARC Countries	Sinha M, A Ray Chowdh ary, A. Dutta, P. P	Commer ce	Advance s in Public Policy and Administ	2021	2475-6644	

			.Sengupta		ration (APPA) Book Series, Special Issue, April 2021		
188	Anchor Investment and IPO Returns in India	Subba, S. K, & Mahapatra, S. S.	Commer ce	Orissa Journal of Commerce, Vol XXXXI (Issue No.III), 63-71.	2020	0974-8482	
189	Online classes in Sikkim during the COVID-19 pandemic: Challenges and prospects	Chettri, P., Mahapatra, S. S., Singh, K. D. & Bhutia, J. W.	Commer ce	Internati onal Journal of Management. 11(8): 837-849.	2020	0976-6502	
190	Critical Review of Finances of Local Self Bodies of Sikkim in context of Finance Commission provisions	Dutta, A., Sinha, M., & Mahapatra, S. S.	Commer ce	TEST Engineering & Management, Vol 83, 27165-27169.	2020	0193-4120	
191	Effects of Covid-19 Pandemic on the attractiveness of Hospitality jobs: A psychological view from	Singh, K., Chettri, P., & Mahapatra, S. S.	Commer ce	The Empirical Economics Letters,	2020	1681-8997	

		Undergraduate and Post Graduate students			19 (Special Issue), 117-128.		
192		Notion on Digitized Pedagogy : Whether Students' Attributes Matter? A COVID-19 Imperative	Shankar A N	Commer ce	Internati onal Journal of Manage ment , 11(7), Pp 30-41.	2020	0976-6510
193		Carbon Finance in Ecological Hotspots of India, Retrospect and Prospects: Through the CSR Lens	Shankar A N	Commer ce	Internati onal Journal of Advance d Science and Technolo gy, 29(6), 8935-8948.	2020	2005-4238
194		Does The Demographic Profile stimulate the Shopping Intention At Big Bazaar at Gangtok?	Ravi Shekhar Vishal, B. Muthu Pandian.	Commer ce	Shodh Sarita 26: 165 – 173	2020	2348-2397
195		The Total Talent Supply Disparity among the North East Regional (NER) Higher Educational Institutions (HEIs) to the National Talent Pool	Prasansha Dong, Ravi Shekhar Vishal, B. Muthu Pandian.	Commer ce	Shodh Sanchar Bulletin 38: 235 – 242	2020	2229-3620

196	A Drill-Down Approach Towards Talent Supply Scenario in Sikkim. Prabandhan	Prasansha Dong, Ravi Shekhar Vishal, B. Muthu Pandian.	Commerce	Indian Journal of Management (SCOPUS) 8 – 9: 59 – 70	2020	0975-2854
197	The Talent Supply Contribution of Sikkim Higher Educational Institutions (HEIs) to North East Regional (NER) Talent Pool	Prasansha Dong, Ravi Shekhar Vishal, B. Muthu Pandian.	Commerce	Wesleyan Journal of Research 01: 188 – 194	2020	0975-1386
198	Is there a gender gap in equity in access at senior secondary education in Sikkim?	Khanal. Y.K, Bhutia, Y & Misra, S	Education	Education India: A quarterly Refereed Journal of Dialogues on Education. 10(1),Feb 2021.	2021	2278-2435
199	Adjustment and Academic Achievement of Locomotor Impaired and Hearing Impaired School Students,	Rai. M & TJMS. Raju	Education	Shodh Sarita, 7 (28),170-173.	2020	2348-2397
200	Study of Work Life Balance of Secondary School	Chettri. P &	Education	Shodh Sanchar Bulletin,	2020	2229-3620

	Teachers of East Sikkim	TJMS.Raju		Vol:10(40), Pg:57-64.		
2011	A Study on Job Satisfaction of Secondary School Teachers	Rai. R & TJMS.Raju	Education	Research and Reflections on Education, 15(4A), 14-16.	2020	0974-648X
2022	Attitude of Adolescent towards alcohol and drugs in relation to peer pressure of Dhemaji district of Assam	Buragohain, D. and Verma, A.	Education	Journal of Interdisciplinary Cycle Research : 126-141	2020	0022-1945
2023	Online Education in the Era of Covid-19: Pleasure or Pressure	Verma, A.	Education	The International Journal of Analytical and Experimental Modal Analysis: 1032-1040	2021	0886-9367
2024	Pandemic Pedagogy Paradigm Shift Strategies of K-12 & Higher Education in India, Vietnam &	R.S.S Nehru, Ton Quang Cuong, Sandra	Education	International Journal of Advanced	2020	2005-4238



		Mexico after Covid-19	Gudiño Paredes		Science and Technology. Vol. 29, No. 7s,, pp. 5618-5628		
205		National Institutional Ranking Framework (n.i.r.f - 2020) Influence on Indian Higher Education	RSS Nehru.	Educatio n	TEST Engineering & Management magazine Vol. 83: July/August 2020,pp. 347	2020	0193-4120
206		Constructivist Teaching And Learning Model Of Algebra In Secondary School Level - A Thematic Approach	Y. Mishra & RSS Nehru	Educatio n	Sambodhi.Vol-43, No.-4, (V) October-December.r.pp.116-121.	2020	2249-6661
207		Risk-adjusted performance evaluation of pension fund managers under social security schemes (National Pension System) of India.	Murari, K.	Manage ment	Journal of Sustainable Finance & Investment.	2020	2043-0809

208	Does Socio-Demography affect Preferences and Concerns towards Cashless Payment? Evidence from the North Eastern Region of India	Murari, K., Bhatt, V.; Kumar, P.	Management	Journal of Payment Strategy & Systems. Vol. 14 (3), pp. 1-16.	2020	1750-1806
209	Does Firm-size, Profit and CSR-awareness Impact an SME's Behaviour Towards its Employees: An Exploratory Indian Study	Kumar, P, Bhatt, V; Murari, K.	Management	Journal of Critical Reviews. Vol.7 (15), pp.1896-1906	2020	2394-5125
210	Impact of Legalized Gambling on Gambling Behaviour and Monetary Benefits to the State Government: Evidence of Trade-off from Sikkim.	Rai, A., Murari, K.	Management	Prabandhan	2020	0975-2895
211	Role Of Banks in Financial Inclusion: A Study Of East Sikkim	Das, P K., Madan Chettri	Management	AEGAEU M JOURNAL. Vol. 8, Issue, 9, pp. 839-850.	2020	0776-3808
212	Business Plan for a Startup Hotel: A case study on Hotel Ravangla Star, South Sikkim ADALYA JOURNAL.	Das, P K.	Management		2020	1301-2746

		Vol. 9, Issue, 8, pp. 352-359.					
213	Performance Analysis of Sikkim State Cooperative Bank Ltd. Using CAMEL model	Das, P K., Madan Chettri	Management	Journal of Critical Reviews. Vol. 7, Issue, 11, pp. 3789-3796.	2020	2394-5125	
214	Teachers' perception towards Quality of Higher Education in Sikkim	Anjana Sharma, Achanta Ravi Prakash,	Management	Journal of Interdisciplinary Cycle Research Vol. XII, Issue: X, October, 2020	2020	0022-1945	
215	Reforms in Higher Education: A Critical analysis of NEP	Anjana Sharma, Achanta Ravi Prakash,	Management	Sambodhi Vol. 44 No. 1 Jan-Mar 2021	2021	0249-6661	
216	Probable Difficulties Confronted By Customers: With Reference To Renewable Energy	Rai, R., Sharma N.D, Jha. A, Pradhan B.B	Management	Psychology and Education Journal, 58(3), 3584-3595.	2021	0033-3077	
217	Media education in Sikkim	Das, M.K., and Roy, B.	Mass Communication	Communication Today 25	2021	0975-217X	

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	218	Naga Youth Engagement with Korean popular culture: An alternative avenue	Yimchunger, J.	Mass Communication	International Journal of Media and Cultural Politics 16(2):233-251.	2020	1740-8296
	219	Transparency and Disclosure: Evaluating CSR communication by India's global giants, 10(2)	Buragohain, N., & Dutta, A.	Mass Communication		2021	2319-7064
	220	'Hallyu' Wave & Women Fandom in Darjeeling Town: A Study on Binge Watching, User's Satisfaction and Participatory Culture	Rai, S. and Basnett, P.	Mass Communication	IOSR Journal of Humanities & Social Science.	2021	2279-0837
	221	Experiencing Hindustani Raga Music: A Select Study from Kolkata	Bandopadhyay S, Vedabala S	Music	Rupkatha Journal on Interdisciplinary Studies in Humanities : 1-11.	2020	0975-2935
	222	The Globalization of Indian Classical	Dutta	Music	Wesleyan Journal	2021	0975-1386

		Msuic: A Dialectical Review			of Research ,4(3).		
223		Life in COVID-19: A study of Indian Classssical Music and Musician	Vedabala S	Music	Journal of the Social Sciences. 2890-2895.	2020	0253-1097
224		Jwari or LokDohari: A Folk tradition of Nepali Community	Kumar, S. & Gurung P.	Music	Stom	2020	2231-1041
225		Deshi Dhol of Lower Assam and Northern West Bengal	Kumar, S. & Ray D.	Music	Bhairavi	2020	0975-5217
226		Sangeet Shiksha, Shikshak, Shiksharathi	Kumar, Surendr a.	Music	Samsam ayik Srijan 2:160-161.	2020	2320-5733
227		Goswami tulsidas ji dvara rachit ramayan men sangeet ki samridh prampara	Kumar, Surendr a.	Music	Pustakb haratiya Research Journal 4:57-63.	2020	2562-6086
228		Journal of teaching in travel & tourism: a bibliometric analysis	Sharma, P., Singh. R., Tamang, M., Singh, A.K., and Singh, A.K.	Tourism	Journal Of Teaching In Travel & Tourism.	2020	1531-3220

229	Rejuvenation of Tourism Industry Post Covid 19. Vol-06, Issue-June: 135-141	Rani, R, and Singh, Amit Kumar.	Tourism		2020	0976-075X
230	Journal of teaching in travel and tourism: a bibliometric analysis	Sharma et al.	Tourism	Journal of Teaching in Travel and Tourism	2020	1531-3220
231	Twenty Years of Journal of Quality Assurance in Hospitality and Tourism: A Bibliometric Assessment	Singh et al.	Tourism	Journal of Quality Assurance in Hospitality and Tourism	2021	1528-008X
<a href="https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Annual%20Report%202020-21.pdf">https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Annual%20Report%202020-21.pdf</a>						

### 3.4.6 Number of books and chapters in edited volumes published during the year

**Q<sub>n</sub>M**

3.4.6.1: Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year

Year	20-21
Number	69

Sl No	Name of the teacher	Department	Title of the book published	Name of the publisher	National / International	ISBN/ISSN	Year of publication
1	Dr. Rangalal Mohapatra	Economics	Microeconomic s-I An Intuitive Analysis	Manakin Press, New Delhi	National	ISBN: 978-93-89296-41-9	2020-21
2	Dr. Komol Singha (Co-edited with M. Amarjeet Singh)	Economics	Understanding Urbanization in Northeast India: Issues and Challenges	London: Routledge	International	ISBN 13-978-0367466190	2020-21
3	Dr. Rajesh Raj S.N. (Co-authored with Subash	Economics	Small Firm Ownership and Credit Constraints in India	Routledge, New York and London	International	ISBN: 9781003141310	2020-21

		Sasidhar an)						
4	Prof. Manesh Choubey	Economics	India's Agricultural Export and Economic Growth: Co-integration and Causality National Seminar on "Agricultural transformation and Rural Development in India: Issues, Challenges and possibilities	SMPS Publisher, Dehradun	National	ISBN 978-81-211-1017-4	2020-21	
5	Prof. Manesh Choubey	Economics	Doubling of farmers income through farmers producer organization in Himalayan state: An experience of Sikkim	SMPS Publisher, Dehradun	National	ISBN 978-81-211-1017-4.	2020-21	
6	Dr. Rajesh Raj S N (joint with Subash Sasidhar an)	Economics	MSMEs and Covid-19, in AIC-EEPC, eds. 2020. COVID-19: Challenges for the Indian Economy - Trade and Foreign Policy Effects. ASEAN-India Centre		National		2020-21	



				(AIC) - Engineering Export Promotion Council of India (EEPC), New Delhi.				
7	Dr. S. Jeevana ndam	History	S, Jeevanandam (with Rekha Pande andSitaVanka). Gender and Globalisation	Jaipu r: Rawat Public ations	Nati onal	ISBN No. 978- 81- 316- 1163- 0	2020-21	
8	Dr. Khwaira kpam Renuka Devi	History	Rameschandra, N. and Devi, K.R. (2021). The Irony of Dry State and the Fiasco in Alcohol Prohibition in Manipur. Social Development Challenges in North East India (Eds: Devi, M. T and Hanjabam, S.S), pp. 55-61.	New Delhi: Ruby Press & Co.	Nati onal	ISBN: 81952 7430- 7	2020-21	
9	Dr. S. Jeevana ndam	History	Jeevanandam, S. "Bhakti Movement in Early Medieval South India – A Historiographica l Study." In K. MavaliRajan and V. Palanichamy.	Delhi: Kalpa z Public ations , 2021: 345- 356	Nati onal	ISBN No. 978- 93- 5324- 316-6	2020-21	

				Eds. Land and Society in Medieval South India: Perspective on Socio-economic and Cultural Traditions				
10	Dr. N. Koiremba Singh	International Relations	Shruti Sonal, Ningthoujam Koiremba Singh and Salvin Paul (2020) Gendered Approach to Reconciliation During and After War in Sri Lanka Lanka W.Leal Filho et al. (eds.), Gender Equality, Encyclopedia of the UN Sustainable Development Goals,	Springer Nature Switzerland AG.	International	ISBN 978-3-319-70060-1	2020-21	
11	Dr. Denkila Bhutia	Law	Bhutia, D. (2020). Personal Laws and Judicial Review-The Conflicting Judgments and Their Impact upon the Personal Laws. In Perspectives in Laws	Akink Publications	National	ISBN: 978-93-90322-45-9.	2020-21	

12	Dr. Vimal Khawas	Peace And Conflict Studies And Management	Ghatani, S. and Khawas, V. (2020) Some aspects of urban water management in Darjeeling, Himalaya: A study of Darjeeling town. In Understanding Urbanisation in Northeast India (Eds: M. Amarjeet Singh, Singha Komol)	Routledge	International	ISBN: 9781003032625	2020-21
13	Swati Akshaya Sachdeva	Sociology	Sachdeva, S.A. and Yumnam, S. (2021). Identity in Question: The Study of Tibetan Refugees in the Indian Himalayas	Vernon Publishing	International	ISBN No: 978-1622739127	2020-21
14	Binod Bhattarai	Sociology	Bhattarai, B. (2020). The contemporary process of economic development, state power and Lepcha resistance in Sikkim: A macro view. In Fixed Borders, Fluid	Routledge India	International	ISBN: 9781003000037	2020-21

				Boundaries Identity, Resources and Mobility in Northeast India (Eds: Chandan Kumar Sharma, Reshmi Banerjee), pp. 15-27.				
15	Dr. Nitish Mondal	Anthropology	Bharali, N. & Mondal, N. (2021). Food Security and Coping Strategies among Mishing Tribe residing in flood affected regions of Lakhimpur district, of Assam, Northeast India. In Human Diversity in Northeast India (Eds Sengupta S. and Dutta, D. pp 117-113.	Kalpe z Publication, New Delhi	National	ISBN: 978-93-5324-621-1	2020-21	
16	Dr. Nitish Mondal	Anthropology	Mondal, N. & Sen, J. (2020). Effect of Human Migration on Hypertension, Cardiovascular Diseases, Type 2 Diabetes and Their Associations	Nova Science Publishers, Inc. New York.	International	ISBN: 978-1-53618-042-8	2020-21	

				with Metabolic Syndrome among the Asian Indians. In Ethnicity and Syndrome X (Eds Das M and Bose. K. pp 123-151.				
17	Dr. Charisma K. Lepcha	Anthropology	Lepcha, C.K. (2021). Lepcha Water View and Climate Change in Sikkim Himalaya. In Environmental Humanities in the New Himalayas: Symbiotic Indigeneity, Commoning Sustainability.	New Delhi: Routledge.	National	ISBN: 978-0367699796	2020-21	
18	Dr. Garima Thakuria	Anthropology	Thakuria, G. (2020). Pottery Remains in Assam: An Overview of Archaeological Investigations. In Archaeology in Northeast India: Recent Trends and Future Prospects: Essays Celebrating 150	New Delhi: Research India Press.	National		2020-21	

				Years of Research				
19	Dr. Elangbam Ishwarjit Singh	Geography	Singh, E.I. and Biswas, A. (2020). Urban Poor Water Crisis in the Eastern Himalaya Region: A case study of Kurseong Town, Darjeeling Himalaya. In Water Supply for the Urban Poor in Indian Cities. (Eds: Jamal S. and Singh, A.L), pp. 299-316.	New Delhi: BR Publication.	National	ISBN: 97893 88789 851	2020-21	
20	Dr. Elangbam Ishwarjit Singh	Geography	Singh, E.I. (2020). An Assessment of Climate Change And Forest Fire in Eastern Himalaya: A case Study of Sikkim. In The Himalaya: Human, Environment and Climate Change.	New Delhi: Sunmang Publication.	National	ISBN: 978-93-82606 -94-9	2020-21	

21	Dr. Rajesh Kumar	Geography	Kumar, R. (2020). Flood Damage Assessment in a Part of the Ganga-Brahmaputra Plain Region, India. In: Advances in Remote Sensing for Natural Resource Monitoring.	Hoboken, NJ :Wiley - Blackwell.	International	Print ISBN: 978119615972	2020-21
22	Ajit Kumar Singha	Geography	Singha, A. K., Singha, B., Mandal, S. D., & Roy, D. (2021). Education Level in Rural Area of West Bengal. Population Health and Regional Development: Challenges and Issues (Eds: Mukherjee, S. and Sarkar, S), pp 65-76.	Smriti Nagar , Bhilai , Chhatrisgarh , Oranges eBooks Publication	National	ISBN: 9789390837267	2020-21
23	Panda, S., Das, K., & Kashyap, K. (2020)	Psychology	Women and mental health in India: Issues and challenges. In: B.C. Swain (Ed.). Women Education in	Kunal Books Publishers, New Delhi.	National	ISBN: 976-93-69224-54-2.	2020-21

				21 <sup>st</sup> Century (pp.48-63).				
24	Shri Snehal Ajit Ulman	Chinese	Kochhar G. & Ulman S. A, (2020). India and China: Economics and Soft Power Diplomacy	Routledge, UK,	International	ISBN: 978- 0- 367- 67446 -5	2020-21	
25	Dr. Dhriti Roy	Chinese	Roy, Dhriti. (2020). Buddhist Centres in Pre- modern India through the Eyes of a Chinese Buddhist Monk: An Historical Survey. In Heritage of Indian History, Culture and Archaeology (Festschrift to Dr. M. D. Sampath) Volume III (Ed. Pedarapu Chenna Reddy), pp. 591-604.	New Delhi: B. R. Publishing Corporation	National	ISBN: 97893 88789 363	2020-21	
26	Dr Rosy Chamling	English	Chamling, Rosy (2020) Unmapping the Northeast: Nandita Haksar's Across the Chicken Neck. In Indian	New Delhi: Pencraft International	National	ISBN 978- 93- 82178 -33-0.	2020-21	



				Travel Narratives: New Perspectives (Ed. Somdatta Mandal)				
27	Dr. Chukey Bhutia	Hindi	Bhutia, C. (2020) Ardh satya Tum, saajha kavya sangrah (editing book)	Madhuraks har Prakashan	National	ISBN No 978-81-94685944	2020-21	
28	Dr. Pradip Tripathi	Hindi	Tripathi.P. (2021). Bhasha Ka Naya Vitan Rachati Kahaniyan. Hindi Kahani Parakh Aur Pahchan.(Eds; Upadhyay, Arvind Kumar and Singh, Shashank Kumar).pp. 165-172	New Delhi; Rudra Publis harsh and Distri byutarsa	National	ISBN 978-93-88361-7.	2020-21	
29	Dr. Pushpa Sharma	Nepali	Sharma, Pushpa (2020) Golsima	Upama Publication, Kalimpong.	National	ISBN: 978-81-947793-7	2020-21	
30	Dr. Suman Bantawa	Nepali	Bantawa, Suman (2020) Taatparya.	Upama Publication, Kalimpong.	National	ISBN: 978-81-947793-6-0	2020-21	

31	Dr. Kabita Lama	Nepali	Lama, K. (2020) Vartaman Pariprekshama Nepali Sahitya. In Antardhrishti, (Ed: Pathak, D.), pp. 9-47.	Washingtongton: International Nepali Literary Society.	International		2020-21
32	Dr. Kabita Lama	Nepali	Lama, K. (2020) Simanta Upanasma Narivaad. In Bindiya Subba Sahitik Vidushi: Antaranga Bahirangaharuma, (Ed: Gorkha, N.), pp. 96-113.	Darjeeling: Sahitya Kala Sansthan, Tindhare.	National	ISBN-9788194457473	2020-21
33	Dr. Pushpa Sharma	Nepali	Sharma, P. (2020) Sikkimka Lok Katha. In Prajya Nepali Lok Katha, (Ed: Nepal, D.), pp. 514-535..	Katmandu: Nepal Prajya Prasthan	International	ISBN-978-937-723-68-8	2020-21
34	Dr. Samar Sinha	Nepali	Sinha, S. (2020) Endangerment of Indigenous Languages of Sikkim. In Sikkimka Bhasa: Dasha ra Disha (Ed: Chettri, T.B.), pp. 93-105.	Gangtok, Sikkim: Nepali Sahitya Parishad.	National	ISBN 9788194950042	2020-21

35	Balaram Pandey	Nepali	Pandey, B. (2020) Lepcha Bhashako Prachalan ani Karyatshetra. In Sikkimka Bhasa: Dasha ra Disha (Ed: Chettri, T.B.), pp. 106-114.	Gangtok, Sikkim: Nepali Sahitya Parishad.	National	ISBN 9788194950042	2020-21
36	D. R. Chhetri	Botany	Chhetri DR (2021). Enzymology of Human Fetal Liver Inositol Synthase	Scholars Press, Beau-Bassin, Mauritius.	International	ISBN: 978-613-8-95059-2.	2020-21
37	Dr. Upadhyay Sujata & Dr. Karma Diki Bhutia	Horticulture	Upadhyay Sujata, Pandey Yamuna, Bhutia Karma Diki 2021. Elaeocarpus sikkimensis Mast (Hooker) In: Perennial Underutilized Horticultural Species of India	Jaya Publishing House, New Delhi.	National	ISBN: 978-93-90611-38-6, 978-93-90611-30-0	2020-21
38	Dr. Upadhyay Sujata & Dr. Karma Diki Bhutia	Horticulture	Upadhyay Sujata, Pandey Yamuna, Bhutia Karma Diki 2021. Spondias axillaris Roxb. In: Perennial Underutilized	Jaya Publishing House, New Delhi	National	ISBN: 978-93-90611-38-6, 978-93-90611-30-0	2020-21

				Horticultural Species of India				
39	Dr. Nagendra Thakur	Microbiology	Das, S., Najar, I. N., Sherpa, M.T. and Thakur, N. (2015). Hot Springs of Sikkim: Unfathomed colossal treasure of potential microbial syndicate of Northeast India - A coup d'oeil into it. In. Biotechnology in India: Initiatives and accomplishments (2015)	A New India Publishing Agency, New Delhi	National	ISBN: 97893 85516 030	2020-21	
40	Dr. Nagendra Thakur	Microbiology	Das, S., and Thakur, N. (2020). The Microbial Diversity of Hot Springs Located in Himalayan Geothermal Belts (HGB). In. Extreme Environments: Unique Ecosystems- Amazing Microbes.	CRC Press	International	ISBN 97803 67350 161	2020-21	

41	Dr. Basundhara Chettri	Zoology	Tamang, R., and Chettri., B. (2021). Frogs on the plate – How sustainable is the extraction?	PAND A 13(4)	International	ISSN 2320-3943	2020-21
42	Dr. Bisu Singh	Zoology	Qubra, K. and Singh, B. (2020) Study of In vitro Anti-inflammatory Property of Dendrocniidesin uata (Blume) Chew and Chenopodiuma mbrosioides (L.): Ethnomedicinal Plants from Assam. Trends in Pharmaceutical Research and Development Vol. 2.	Book Publisher International 1	International	ISBN 978-93-89816-96-9	2020-21
43	D. Bhoj Kumar Acharya	Zoology	Dewan, S. and Acharya, B.K. (2021) Butterflies of Sikkim Himalaya requires alternative refuge for survival: traditionally managed agroecosystem as substitute	PAND A 13(4)	International	ISSN 2320-3943	2020-21

				habitat for conservation.				
44	D. Bhoj Kumar Acharya	Zoology	Thakuri, B. and Acharya, B.K. (2021)	Insectivorous birds as potential natural pest control agents in organic agricultural systems of Sikkim Himalaya.	PAND A 13(4)	International	ISSN 2320-3943	2020-21
45	D. Bhoj Kumar Acharya	Zoology	Acharya, B.K., Jins, V.J. and Khaling, S. (2021)	Agricultural systems are not just systems for production of food crops but are important habitats for range of biodiversity components	PAND A 13(4)	International	ISSN 2320-3943	2020-21
46	Swarup Roy	Computer Applications	Biological Network Analysis-Trends, Approaches, Graph Theory and Algorithm (2020)		Elsevier, USA	International	ISBN: 9780128193501	2020-21

	47	Mohan P Pradhan	Computer Applications	Pradhan, A, Pradhan, M. P., Sharma, S., (2020) Reconstruction of Contour Lines for Digitization of Contour Map	The Proceeding of International Conference on Computing and Communication Systems: I3CS 2020, organised by I3CS 2020, NEHU, Shillong, India	International		2020-21
	48	Swarup Roy	Computer Applications	L Chettri, and Swarup Roy (2020), "How good are classification models in handling dynamic intrusion attacks in IoT?"	Intl Conf. on Machine Learning, IoT and BigDa	International		2020-21

				", In Proc., , pp. 85-92., India.	ta (ICMI B-2020)			
49	Swarup Roy	Computer Applications	Computer Applications	K Nath, and Swarup Roy (2020), "Overlapping Community Detection in Static and Dynamic Networks: A Qualitative Assessment ", In Proc.	Intl Conf. Computing. & Communication (I3CS' 2020)	International		2020-21
50	Swarup Roy	Computer Applications	Computer Applications	S Sebastian, Sk. A Ali, A Das, and Swarup Roy (2020), "pARACNE: A Parallel Inference Platform for Gene Regulatory Network using ARACNe	Int Conf on Innovations in Computational Intelligence and Computer Vision (ICICV - 2020)	International		2020-21
51	Partha Pratim Ray	Computer Applications	Computer Applications	Majumder.P. and Ray. P. P. (2020). Estimation of Basic	Artificial Intelligence for	International	ISBN: 978-981-16-	2020-21



				Reproduction Number and Herd Immunity for COVID-19 in India	Information Management: A Healthcare Perspective. Studies in Big Data		0415-7.	
52	Rebika Rai	Computer Applications	Rebika Rai (2021), "Swarm Intelligence and Bio-Inspired Computation", In book: Applied Soft Computing Techniques and Applications,	CRC Press Taylor & Francis Group, Apple Academic Press	International	ISBN 978177463029	2020-21	
53	Ms. Rinkila Bhutia	Mathematics	Rai N, Gupta S, Bhutia R (2020) Design of an Electronic System for Analysis of Body Postural Sway Using Inertial Measurement Unit.	Advances in Communication, Devices and Networking. ICCD	International		2020-21	

					N 2019			
54	Prof. S. S. Mahapat ra	Comme rce	In Vaidya, S. Submitted Text book; Development Team: Panda, N. M., Bauah, S. B., Singh, R., Singh, E. N., Kaye, T., Mahapatra, S. S., Karunita, R., Maurya, N., Sanjeeva, S., Gupta, A., Chettri, P., Patton, J., Smejita, R., & Vaidya, S. (2020). Business Entrepreneurshi p in North East Region of India. Department of Education in Social Sciences..	NCER T, New Delhi	Nati onal		2020-21	
55	Prof. S. S. Mahapat ra	Comme rce	Chettri, P., & Mahapatra, S. S. (2021) Financial Literacy in the Hills and Plain Regions of Darjeeling	Himal aya Publis hing House , Mumb ai	Nati onal	ISBN: 978- 93- 5433- 393- 4.	2020-21	

				District, West Bengal				
56	Prof. Abhijit Dutta	Comme rce	Sinha, M., Das, R., Mahapatra, S.S., Dutta, A. and Sengupta, P. P. (2021) “Dynamics of Globalisation and Inflation in Post Reform India	The Routledge Handbook of Post-reform Indian Economy (Routledge),	Inter nati onal	ISBN 97803 67428 709	2020-21	
57	Prof. Abhijit Dutta	Comme rce	Dutta, A. and Sinha, M. (2021) “Governance Issues in Indian Public Sector Banks: Challenges and Formidability during the Current Era”, In Rahman, M. (Eds.), Reinventing the Sustainable Banking Practice	Taylor and Francis	Inter nati onal		2020-21	
58	Prof. Abhijit Dutta	Comme rce	Dutta, A., Sinha, M. and Mukhopadhyay, P. (2021) “Pandemic Outbreak and	Springer	Inter nati onal	ISBN: 97898 11657 559	2020-21	

				the Future of Poverty and Inequality Scenario: Indian Perspective”, In Saha et al. (Eds.), Economic and Societal Transformation in Pandemic-Trapped India: Emerging Challenges and Resilient Policy Prescriptions				
59	Prof. Abhijit Dutta	Comme rce	Sinha, M., Dutta, A. and Mukhopadhyay, P. (2021) “Domestic Tariff and Manufacturing Trade: A Comparative on the United States and China”, In Pal, M.K. (Eds.), Productivity Growth in the Manufacturing Sector: Mitigating Global Recession ()	Emer ald UK	Inter nati onal	ISBN: 97818 00710 955	2020-21	
60	Prof. Abhijit Dutta	Comme rce	Sinha, M., Rai, M.K., Rai, M.K. and Dutta, A.	Emer ald UK	Inter nati onal	ISBN: 97818	2020-21	

				(2021) "Tariff Imposition and Manufacturing Trade: A Comparative Study on the Economies of North and South" In Das, R.C. (Eds), Global Tariff War: Economic, Political and Social Implications			00713 154.	
61	Prof S. S. Mahapatra	Commerce	Chettri, P., Singh, K. D., & Mahapatra, S. S. (2020) Measurement of students' anxiety on the possibility of unemployment due to COVID-19 pandemic. In: Impact of COVID-19 on Trade & Commerce in India and Rest of the World. S. K. Baral and D. M. Mahapatra (Eds.)	Kunal Publications, New Delhi, Chapter	National	ISBN: 978-93-89224-99-3.	2020-21	
62	Prof S. S. Mahapatra	Commerce	Mahapatra, S.S., Subba, S.K. (2020) "Overview of	Manakin Press,	National	ISBN: 978-93-	2020-21	

				Financial Inclusion in India”, In Singh,A.R. (Ed), India Towards 100% Financial Inclusion	New Delhi		86677-91-4	
63	RSS Nehru	Educational	T. Sharon Raju & R. S. S. Nehru (2020). Pedagogy of Biological Science (Principles and Paradigms)	Astha Publishers And Distributors. Delhi.	National	ISBN-978-93-85339-64-3	2020-21	
64	RSS Nehru	Educational	Suvik Pal, Ton Quang Cuong, R. S. S. Nehru (2021). Digital Education for the 21st Century Technologies and Protocols	Apple Academic Press. Boca Raton , Fl, USA; Abingdon, Oxon, UK.	International	ISBN: 9781774630075	2020-21	
65	RSS Nehru	Educational	R. S. S. Nehru (2021) MOOCs: Digital Education for the 21st Century: Technologies and Protocols. Souvik Pal, Quang Cuong Ton & RSS Nehru. (Eds)	Apple Academic Press. Boca Raton , Fl, USA; Abingdon, Oxon, UK.	International		2020-21	

				(2021). MOOCs: The Paradigm Shift from Traditional to New Learning Spaces in Indian Higher Education.				
66	Dr. Shalini Shukla	Management	Shukla, S. and Sharma, J.K. (2021). Impact of Contextual Factors on HRM Disclosure Practices of Foreign Companies in India. In Human Resource Management in New Normal, Eds. (Padiya, J., Gandhi, C. and Pathak, T), pp.1-13.	National	ISBN – 978-93-5473-780-0	2020-21		
67	Dr. Pooja Basnett	Mass Communication	Basnett, P. (2020). Sikkimey Anecdote: A Collection of Short Stories	Notion Press, India	ISBN: 978-1-63669-627-0.	2020-21		
68	Dr. Pooja Basnett	Mass Communication	Basnett, P. (2021). Historical Analysis of Press in Sikkim. In 175 Years of Media in Assam	Assam: Power Shift.	ISBN: 978-93-87494-48-0	2020-21		

			and Beyond (Eds: Sharma, A.), pp. 979 – 988.				
69	Dr. Pooja Basnett	Mass Communi- cation	Basnett, P. (2021). The Psychology of Colour in Indian Television News Channels. In The Psychology of Marketing(Ed: Sharma, K, L.), pp. 173 – 181.	Kolkata: Asian Press.	National	ISBN: 978- 93- 90238 -59-0.	2020-21
70	Dr. Krishnen du Dutta	Music	Dutta.Krishnen du (2020)	Astak, Bangl ar Purat attva Praka shan. Kolkata	National	ISBN: 978- 81947 2921- 1.	2020-21
71	Jayanta Kumar Barman	Music	Jayanta Kumar Barman Barman, Jayanta Kumar, Thapa, Magar Kishore, (2020). Hamro Chinhari Madal.		National		2020-21
73	Jayanta Kumar Barman	Music	Barman.Jayant a Kumatr (2020) Bhawaiya Sankalan,		National	ISBN: 978- 93- 78678 -53-G	2020-21
74	Santosh Kumar	Music	Kumar, S. (2021). COVID 19 & Emergency	Agra: STAR Public	National	ISBN: 978- 93-	2020-21



				E- Learning: Consequences and Experiences(Eds : Upadhyay, I. Shukla, A. and Singh A) pp. 79-87.	ation, Agra.		81246-99-3.	
76	Surendra Kumar	Music	Kumar, Surendra (2020) Corona kal: prvanchalsamaj or sangeet,(Eds: sirothiya, rama, A. p. jaisawal,) pp. 66-70	Disha book Noida		ISBN: 978-93-87002-70-8	2020-21	
77	Dr Amit Kumar Singh	Tourism	Four Units have been contributed as SLM Content for Uttarakhand Open University (UOU) against BHM-703T: Safety, Security and Travel Documentation programme.				2020-21	
78	Dr Sanjay Karn	Tourism	Karn (2021) Neuro Marketing and Rout &Karn(2021) Tourism Innovation Ecosystem, In Encyclopaedia of Tourism Management and Marketing.	Edward Elgar Publishing Limited	International	ISBN: 978-18-0037-747-9	2020-21	

				(Eds: Buhalis, D)				
	<a href="https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Annual%20Report%202020-21.pdf">https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Annual%20Report%202020-21.pdf</a>							
<b>3.4.7</b>	<p><b>E-content is developed by teachers:</b></p> <ol style="list-style-type: none"> <li>1. For e-PG-Pathshala</li> <li>2. For CEC (Under Graduate)</li> <li>3. For SWAYAM</li> <li>4. For other MOOCs platform</li> <li>5. Any other Government Initiatives</li> <li>6. For Institutional LMS</li> </ol> <p><b>Options:</b></p> <p>A. None of the above</p>							
<b>Q<sub>n</sub>M</b>								

**3.4.8 Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed**

**Q<sub>n</sub>M**

<b>Year</b>	<b>2021-22</b>
<b>Number</b>	142

<b>Sl No</b>	<b>Title</b>	<b>Author</b>	<b>Department</b>	<b>Journal Name</b>	<b>Year</b>	<b>ISSN</b>
1	Agricultural Trade Diversity Of India With ASEAN	Pandey Pranesh and Choubey Manesh	Economics	Economic Affairs, Vol. 64, No. 3, pp. 01-08	2020	0424-2513
2	An analysis of determinant factors in agricultural trade between India and ASEAN	Pandey Pranesh and Choubey Manesh	Economics	Indian Journal of Economics and Development Volume 17 (2), 314 -320	2021	2277-5412
3	COVID-19 lockdown and penalty of joblessness on income and remittances: A study of inter-state migrant labourers from Assam	Guha, P., Islam, B. and Hussain, A.	Economics	India. Journal of Public Affairs 1-9.	2020	1479-1854
4	Determinants of Cost Inefficiency of Maize Farming in	Guha, P. and Das, T.	Economics	International Journal	2020	0973-0052

		Different Agro-climatic Regions of Sikkim, India			of Rural Management, 16(2)		
5		Impact of occupational migration of unskilled labourer from domestic agriculture on farm business income in source households of Assam, India	Islam, B. and Guha, P.	Economics	International Journal of Social Economics 47 (12) 1561-1576.	2020	0306-8293
6		Factors and Impact of Rural Out-Migration in Assam	Deori, U and Mohapatra, R.	Economics	International Journal of Recent Technology and Engineering, 9(1)	2020	2277-3878
7		Impact of Micro Level factors on Rural Livelihood Diversification in Jorahat District of Assam : An Empirical Study	Pegu, G and Mohapatra, R.	Economics		2020	1305-3515
8		Gender, small firm ownership, and credit access: some insights from India,	Chaudhuri, K., Sasidharan. S. and Raj, R.S.N.	Economics	Small Business Economics 54: 1165-1181.	2020	0921-898X
9		The 'Missing Middle' Problem in Indian Manufacturing. Wha	Raj, R.S.N. and Sen, K.	Economics	Economic and Political Weekly, 55(16)	2020	0012-9976

		What Role Do Institutions Play?					
10	How Mobile Are Workers across Informal and Formal Jobs in India?	Raj, R.S.N., Schotte, S. and Sen, K.	Economics	Economic and Political Weekly, 55(46)	2020	0012-9976	
11	COVID-19 Pandemic, Lockdown and Indian economy	Pegu, G.	Economics	International journal of management, Vol.11, Issue 10	2020	0976-6502	
12	Intrusions and violation of LoC in India China Border	Sebastian N	International Relations	Economic and Political Weekly Vol. LV, No. 32 pp 22-26	2020	2349-8846	
13	Narco-Analysis in Criminal Investigation and Trial: A Conspectus	Mishra P.	Law	Indian Journal of Law and Justice 11: 76-86	2020	0976-3570	
14	Gender and Exclusion Retrospective Analysis of the School Education Scenario in Sikkim	Thapa, S. & Yumnam, S.	Sociology	Journal of Sociology and Social Anthropology, 11(1-2): 142-153	2020	0976-6634	

15	Migration and Socio Economic Adaptation: A Study of Tibetans in Rumtek Dharama Chakra Centre, Sikkim	Choden S, Thapa S & Yumnam, S	Sociology	Sociological Bulletin, 1-17	2020	0038-0229
16	Association between age at menarche and age at menopause among women of an indigenous population of North Bengal	Sinha, I., Tigga, P., Mondal, N., and Sen, J.	Anthropology	India. Journal of Biosocial Science, 53(3), 319-335.	2021	0021-9320
17	Estimation of stature from hand dimension among indigenous Rajbanshi of North Bengal	Roy, S., Ganguly P., Mondal, N., Krishan, K., and Sen, J.	Anthropology	The Journal of Indian Academy of Forensic Medicine 42:181-188	2020	0971-0973
18	Maternal Socioeconomic Conditions and Health of the Children of Lingmoo Village, South Sikkim	Singh, M.S. & Chhetri, D.D.	Anthropology	Online Journal of Health and Allied Sciences 19(2):2	2020	0972-5997
19	Menstrual Characteristics among the Nepali Adolescent Girls	Chhetri, D.D & Singh, M.S.	Anthropology	Indian Journal of Public Health Research and Develop	2020	0976-0245

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20	Menstrual hygienic practices and associated parental socio-economic status among Nepali adolescent girls of Sombaria Village, West Sikkim	Chhetri, D.D. & Singh, M.S.	Anthropology	Journal of the Social Sciences,	48(4):104-111.	2020	0253-1097
21	Rising Prevalence of Obesity and its Associated Socioeconomic Factors Among the Urban Women of Gangtok, Sikkim	Rai, S. & Singh, M.S.	Anthropology	Online Journal of Health and Allied Sciences,	20 (1): 1-4	2021	0972-5997
22	Covid19 Pandemic and Music Listening: A Case Study in Sikkim Himalayas	Gazmer, S.P., Bandhopadhyay, S. & Rama Mohan, K.R	Anthropology	Journal of Social Sciences,	48(3): 1751-65.	2020	0253-1097
23	Local Knowledge and Marine Livelihoods among the South Indian Fishing Community	Pukkaalla, D. & Rama Mohan, K.R.	Anthropology	Journal of Asian and African Studies,	56(3):549-557	2020	0021-9096
24	Stigma and discrimination attached to COVID-19 pandemic in	Kashyap, K., & Panda, S.	Psychology	Journal of Xi'an University of		2020	1006-7930

		India: Issues and challenges			Architecture & Technology, 12(8), 288-301.		
25	Psycho-perceptual aspects of positive behaviour among patients with head and neck cancer	Kashyap, K., & Panda, S.	Psychology	The Journal of Behavioral Science, 15(3), 1-18.	2020	1906-4675	
26	Does single help-seeker receive more help? The effect of being alone or accompanied while help-seeking on chance of receiving help.	Roy, S., Maheshwari, S., & Mukherjee T	Psychology	Current Psychology (online first).	2021	1046-1310	
27	Capital access and its mobilization for academic achievement: A case of Indian higher education system	Maheshwari, S., & Singh, P.	Psychology	Research in Education (online first).	2021	0034-5237	
28	How does academic performance increase virtual popularity? A case of Facebook usage among Indian college students	Maheshwari, S., & Mukherjee, T.	Psychology	Contemporary Educational Technology, 13(1)	2021	1309-517X	
29	Do mindsets help in controlling eye gaze? A study to explore the effect of	Maheshwari, S., Tuladhar, V., Roy,	Psychology	Journal of General Psychology	2020	0022-1309	



		abstract and concrete mindsets on eye movements control	S., Palaskshi S., Rai, K. Thargay, T.		gy (online first).		
	30	Fear of death in the shadow of COVID-19: The mediating role of perceived stress in the relationship between neuroticism and death anxiety	Pradhan, M., Chettri, A. & Maheshwari, S.	Psychology	Death Studies (online first).	2020	0748-1187
	31	Remodeling of root architecture under combined arsenic and hypoxia stress is linked to nutrient deprivation	Kumar, V. Vogelsang, L., Sharma, S.S., Seidel, T., Dietz, K.J.	Botany	Frontiers in Plant Science 11: 569687.	2020	1664-462X
	32	Differential arsenic-induced membrane damage and antioxidant defence in isolated pinna segments of selected fern species from Western Himalaya	Kumar, V, Dietz, K.J., Sharma, S.S.	Botany	Journal of Plant Growth Regulation 40: 855-866.	2021	0721-7595
	33	Metalloid dependent signalling in plants	Sharma, S.S., Kumar, V, Dietz, K.J.	Botany	Trends in Plant Science 26: 452-471.	2021	1360-1385

34	Seed germination characteristics of Ratanjot, <i>Arnebia euchroma</i> (Royle) I.M. Johnston, a threatened medicinal plant species from cold desert of Spiti (Himachal Pradesh, India): improvement by GA3, sodium nitroprusside and proline	Sharma, A., Sharma, S.S.	Botany	The Journal of the Indian Botanical Society 99: 149-159.	2020	001944 68
35	<i>Isaria tenuipes</i> Peck, an entomopathogenic fungus from Darjeeling Himalaya: Evaluation of in-vitro antiproliferative and antioxidant potential of its mycelium extract	Chhetri DR, Chhetri A, Shahi N, Tiwari S, Karna SKL, Lama D and Pokhrel YR	Botany	BMC Complementary Medicine and Therapies, 20:185	2020	
36	Phytochemical and antioxidant attributes of <i>Rhus chinensis</i> Mill. an edible wild fruit from Sikkim Himalaya	Chhetri DR, Mahanta J, Chhetri A, Pradhan A	Botany	The Journal of Plant Science Research . 36(1-2): 157-166	2020	0970-2539
37	Distribution, harvesting and trade of <i>Yartsa Gunbu</i> ( <i>Ophiocordyceps</i> )	Pradhan BK, Sharma G, Subba B,	Botany	Mountain Research and Develop	2020	0276-4741

		sinensis) in Sikkim Himalaya, India	Chettri S, Chettri A, Chhetri DR and Pradhan A		ment, 40 (2): R41-49 2020		
38		A new species of Aconitum (Ranunculaceae) form Indian Eastern Himalayan state of Sikkim	Singh, H, Pradhan, A, Adhikari, D, Chettri, A and Barik, S.K.	Botany	Phytotaxa 484 (2):207-216.	2021	1179-3155
39		Identifying morphological diversity and superior germplasm of Citrus reticulata Blanco (Mandarin) in Sikkim and Darjeeling Himalayas, India: an application of DIVAGIS and cluster analysis	Gurung, S, Chettri, A, Tamang, M and Chettri, M	Botany	Australian Journal of Crop Science 14(10): 1575-1582.	2020	1835-2707
40		Phytochemical and antioxidant attributes of Rhus chinensis Mill., an edible wild fruit from Sikkim Himalaya	Chhetri, Dhani, R, Mahanta, J, Chettri, A and Pradhan, A	Botany	Journal of Plant Science Research, 36(1-2): 163-172.	2020	2349-2805

41	Predicting the distribution of suitable habitats for <i>Pandanus unguifer</i> Hook. f. - a dwarf endemic species from Sikkim Himalayas, through ecological niche modeling	Pradhan, A, Adhikari, D and Chettri, A	Botany	International Journal of Conservation Science, 11(1): 145-152.	2020	2067-8223
42	Carbon cycling and balance in a traditional cardamom based agroforestry system of Sikkim Himalayas	Lepcha, N.T., Devi, N.B.,	Botany	Trop. Ecol. 61, 527-537.	2020	0564-3295
43	Effect of land use, season, and soil depth on soil microbial biomass carbon of Eastern Himalayas	Lepcha, N.T., Devi, N.B.,	Botany	Ecol. Process. 9, 65.	2020	2192-1709
44	Micropropagation of Bird of Paradise ( <i>Strelitzia reginae</i> Ait.)	Rai O., Rana M. and Bag N.	Horticulture	Natl. Acad. Sci. Lett. 44(5): 447-451	2021	0250-541X
45	Isolation and characterization of plant growth promoting rhizobacteria isolated from organically grown high yielding pole type native pea ( <i>Pisumsativum</i> L.)	Sherpa MT, Bag N, Das S, Haokip P and Sharma L.	Horticulture	Current Research in Microbial Sciences	2021	2666-5174

		variety Dentamiof Sikkim, India					
46	Understanding rice growth-promoting potential of <i>Enterobacter</i> spp. isolated from long-term organic farming soil in India through a supervised learning approach	Panneerselvam P, Senapati A, Sharma L, et.al.	Horticulture	Current Research in Microbial Sciences, Vol. 2: 100035	2021	2666-5174	
47	Ionome signature discriminates the geographical origin of jackfruits ( <i>Artocarpus heterophyllus</i> Lam.)	Debbarm a Nadia, Manivan nan Subramanian, Muddars u, Venkata Ramana, Umadevi Palaniyandi, Upadhya y Sujata	Horticulture	Food Chemistry.339 (2021) 127896: 1-9	2020	0308-8146	
48	Changes in microbial communities and their predictive functionalities during fermentation of toddy, an alcoholic beverage of India	Das, S. and Tamang, J.P.	Microbiology	Microbiological Research 248: 126769.	2021	0944-5013	

49	Prevalence of enterotoxin genes and antibacterial susceptibility pattern of pathogenic bacteria isolated from traditionally preserved fish products of Sikkim, India	Bhutia, M.O., Thapa, N. and Tamang, J.P.	Microbiology	Food Control 125: 108009.	2021	0956-7135
50	Phenotypic and genotypic characterizations of lactic acid bacteria isolated from exotic naturally fermented milk (cow and yak) products of Arunachal Pradesh, India	Shangpliang, H.N.K. and Tamang, J.P.	Microbiology	International Dairy Journal 18: 105038.	2021	0958-6946
51	Bacterial and fungal communities and their predictive functional profiles in kinema, a naturally fermented soybean food of India, Nepal and Bhutan	Kharnaik, P. and Tamang, J.P.	Microbiology	Food Research International 140, 110055.	2021	0963-9969
52	Metataxonomic profiling of bacterial communities and their predictive functional profiles in traditionally preserved meat products of Sikkim state in India	Bhutia, M.O., Thapa, N., Shangpliang, H.N.K. and	Microbiology	Food Research International 140, 110002.	2021	0963-9969

			Tamang, J.P.				
53	Molecular characterisation of bacteria, detection of enterotoxin genes and antibiotic susceptibility patterns in traditionally processed meat products of Sikkim, India	Bhutia, M.O., Thapa, N. and Tamang, J.P.	Microbiology	Frontiers in Microbiology 11:59 9606.	2021	1664-302X	
54	Probiotic properties of lactic acid bacteria isolated from traditionally prepared dry starters of the Eastern Himalayas	Pradhan, P. and Tamang, J.P.	Microbiology	World Journal of Microbiology and Biotechnology 37, 7.	2021	0959-3993	
55	High-throughput sequence analysis of bacterial communities and their predictive functionalities in traditionally preserved fish products of Sikkim, India	Bhutia, M.O., Thapa, N., Shangpli ang, H.N.K. and Tamang, J.P.	Microbiology	Food Research International 143, 109885.	2021	0963-9969	
56	Influence of biosurfactant producing <i>Bacillus tequilensis</i> LK5. 4 isolate of kinema, a fermented soybean, on seed	LK Chaurasi a, B Tamang, RK Tirwa, PL Lepcha	Microbiology	Biotech 10: 1-12.	2020	0944-5013	

		germination and growth of maize ( <i>Zea mays</i> L.)					
57		Draft genome sequence of <i>Lactobacillus plantarum</i> strain DMR17 isolated from homemade cow dahi of Sikkim Himalayan region: an evaluation of lactate fermentation and secondary metabolism	Ranjan Kaushal Tirwa, Isfaq Nabi Najar, Nagendra Thakur, Lalit K. Chaurasia, B. Tamang	Microbiology	Archives of Microbiology 203: 305-315	2020	0956-7135
58		<i>Lactobacillus plantarum</i> Isolates from Homemade Dahi as a Potential Probiotic with In vitro $\alpha$ -amylase Inhibitory Activity	RK Tirwa, B Tamang, LK Chaurasia	Microbiology	Journal of Applied and Pure Microbiology 12: 1167-1180	2020	
59		Antibacterial and cell envelope damaging properties of different solvent extracts of <i>Rhus chinensis</i> Mill. against <i>E. coli</i> and <i>Staphylococcus aureus</i>	Poudyali, B. and Singh, B.	Microbiology	Indian Journal of Traditional Knowledge 19 (2): 428-434	2020	0975-1068
60		Diversity and composition of the North Sikkim hot spring mycobiome using a culture	Das, S., Roy, G., Najar, I.N., Sherpa,	Microbiology	Folia Microbiologica 66.	2021	1874-9356



		independent method	M.T., Thakur, N.				
61	Exploration of microbial diversity of Himalayan glacier moraine soil using 16S amplicon sequencing and phospholipid fatty acid analysis	Sherpa, M.T., Najar, I.N., Das, S., Thakur, N.,	Microbiology	Current Microbiology 78(1): 78-85.	2020	1432-0991	
62	Reclassification of <i>Geobacillus galactosidasius</i> and <i>Geobacillus yumthangensis</i> as <i>Parageobacillus galactosidasius</i> comb. nov. and <i>Parageobacillus yumthangensis</i> comb. Nov. respectively	Najar, I. N., Das, S., Thakur, N.	Microbiology	International Journal of Systematic and Evolutionary Microbiology 70(12): 6518-6523	2020	1466-5034	
63	Distribution Of Antibiotic And Metal Resistance Genes In Two Glaciers Of North Sikkim, India	Sherpa, M. T., Najar, I. N., Das, S. and Thakur, N.	Microbiology	Ecotoxicology and Environmental Safety 203. (4): 1110-1117	2020	0147-6513	
64	A Review On <i>Geobacillus</i> And Its Applications	Najar, I. N. and Thakur, N.	Microbiology	Microbiology 166(9): 800-816.	2020	1465-2080	

65	Diversity analysis and metagenomic insights into the Antibiotic Resistance and Metal Resistances among Himalayan Hot Spring Bacteriobiome-insinuating inherent environmental baseline levels of Antibiotic and Metal tolerance	Najar, I. N., Sherpa, M. T., Das, S., Das, S., Thakur, N.	Microbiology	Journal of Global Antimicrobial Resistance	2020	2213-7165
66	Chemical Ecology and Microbial Quality Assessment of Water of Recreational Hot Springs of Sikkim Himalayas	Sayak Das, Goshaidas Roy, Mingma Thakur Sherpa, Ishfaq Nabi Najar, Thakur, N.	Microbiology	Journal of Water and Environment Technology, 2020, Volume 18, Issue 6, Pages 398-414	2020	1874-9356
67	Metavirome and its functional diversity analysis through microbiome study of the Sikkim Himalayan hot spring solfataric mud sediments	Das, S., Kumari, A., Sherpa, M.T., Najar, I. N., Thakur, N.	Microbiology	Curr Res Microbial Sci. 1:18-29	2020	0666-5174
68	Prevalence of methanogens in the uncultured Sikkim hot spring solfataric	Das, S., Sherpa, M.T., Najar, I.	Microbiology	Environmental Sustainable	2020	2523-8922

		mud archaealmicrobiome	N., Thakur, N.		bility 3: 453-469.		
69		Human microbiome: an academic update on human body site specific surveillance and its possible role	Elakshi Dekaboruah, Mangesh Suryavanshi and Verma, A.K.	Microbiology	Archives of Microbiology 202.8 :2147-2167.	2020	0302-8933
70		Innovations in CAZyme gene diversity and its modification for biorefinery applications	Chettri Dixita, Ashwani Kumar Verma, and Verma, A.K.	Microbiology	Biotechnology Reports 28.	2020	2215-017X
71		Role of extremophiles and their extremozymes in biorefinery process of lignocellulose degradation. Extremophiles: life under extreme conditions.	Chettri, Dixita, Ashwani Kumar Verma, Lija Sarkar, and Verma, A.K.	Microbiology	<i>Extremophiles: life under extreme conditions.</i>	2021	1431-0651
72		Study of Interaction Between Bovine Serum Albumin and Dolutegravir Intermediate: Fluorescence and Molecular Docking Analysis 11, 5, 13102 -13110	Sunita Behera, RubiBehura, Verma, A.K., B. R. Jali.	Microbiology	Biointerface Research in Applied Chemistry	2021	2069-5837

73	Spectroscopic, cytotoxicity and molecular docking studies on the interaction between 2, 4-dinitrophenylhydrazine derived Schiff bases with bovine serum albumin	Behera, S., R. Behura, M. Mohanty, R. Dinda, P. Mohanty, Verma, A.K., Suban K. Sahoo, and B. R. Jali.	Microbiology	Sensors International 1: 100048.	2020	2666-3511
74	Distribution of amphibians along an elevation gradient in the Eastern Himalaya, India.	Chettri, B., and Acharya, B.K.	Zoology	Basic and Applied Ecology 47: 57-70.	2020	1439-1791
75	HLA-A -B and -DRB1 distribution in Kami: A caste population of Gorkha community from the sub-Himalayan region of West Bengal, India	Singh, B., Chamlagai, D. and Gurung, J.	Zoology	Human Immunology 81(8):395-396.	2020	0198-8859
76	HLA Profile of Kami Population Refutes the Earlier Proposition of Exclusive Closer Genetic Affinity of All the Gorkhas to Mongoloids	Singh, B., Chamlagai, D. and Gurung, J.	Zoology	Human Heredity, 85(1):45-50.	2020	0001-5652

77	An investigation of traditional uses and anti-inflammatory property of <i>Clematis buchaniana</i> De Candolle and <i>Tupistranutans Wall. ex Lindl.</i> : Native ethnomedicinal plants from Sikkim, India	Singh, B., Brahma, M. and Gurung, J.	Zoology	Indian Journal of Traditional Knowledge (IJTK), 19(4), pp.719-727.	2020	0972-5938
78	Role of 5-HTTLPR in suicide: beyond association, meta-analysis and future prospects	Singh B.	Zoology	Annals of Indian Psychiatry 5:4-11	2021	2588-8358
79	Do sub-groups of butterflies display different elevational distribution patterns in the Eastern Himalaya, India?	Dewan, S., Acharya, B.K., Vetaas, O.R. and Ghatani, S.	Zoology	Frontiers of Biogeography 12(3): e49643	2021	1948-6596
80	Stable lead-halide perovskite quantum dots as efficient visible light photocatalysts for organic transformations	Pradhan, S., Bhujel, D., Gurung, B., Sharma, D., Basel, B., Rasaily, S., Thapa,	Chemistry	Nanoscale Advances 3: 1464-1472	2021	2516-0230

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81	Tunable NIR-II emitting silver chalcogenide quantum dots using thio/selenourea precursors: preparation of an MRI/NIR-II multimodal imaging agent	Bhardwaj, K., Pradhan, S., Basel, B., Clarke, M., Brito, B., Thapa, S., Roy, P., Borthakur, S., Saikia, S., Pariyar, A. and Tamang, S.	Chemistry	Dalton Transactions 10:1542 5-15432.	2020	1477-9234	
82	DBU-Catalysed One-Pot Synthesis of Nearly any metal salt of fatty acid (M-FA): A Library of Metal Precursors to Semiconductor	Basel, B., Bhardwaj, K., Pradhan, S., Pariyar, A. and	Chemistry	ACS Omega 5:6666 – 6675	2020	2470-1343	

		Nanocrystal Synthesis	Tamang, S.				
83	Efficient visible light mediated synthesis of quinolin-2(1H)-ones from quinoline N-oxides	S. Mandal, S. Bhuyan, S. Jana, J. Hossain, K. Chhetri, B. G. Roy	Chemistry	Green Chem., 23, 5049	2021	1463-9262	
84	Efficient metal-free visible light photocatalytic aromatization of azaheterocycles	K. Chhetri, S. Bhuyan, S. Mandal, S. Chhetri, P. T. Lepcha, S. W. Lepcha, J. Basumatary, B. G. Roy	Chemistry	Curr. Res. Green Sustain. Chem., 4, 100135	2021	2666-0865	
85	Efficient iron catalyzed ligand-free access to acridines and acridinium ions	S. Mandal, K. Chhetri, S. Bhuyan, B.G. Roy	Chemistry	Green Chem., 22, 3178 - 3185	2020	1463-9262	

86	Targeting the trypanothione reductase of tissue-residing Leishmania in hosts' reticuloendothelial system: Flexible water-soluble ferrocenylquinoline-based preclinical drug candidate	D. Mukherjee; Md Yousuf, B. G. Roy, S. Singh, S. Chakraborty, S. Adhikari, C. Pal	Chemistry	Journal of Medicinal Chemistry 63, 15621-15638	2020	0022-2623
87	Engineering biomolecular device with biocompatible sensor via symmetric encryption-decryption of spectroscopic signals towards F <sup>-</sup> detection and Zn <sup>2+</sup> recognition by the imine hydrolysis pathway	P. Ghosh, S. Paul, D. Dey, S. Jana, B. G. Roy, S. K. Mukhopadhyay and P. Banerjee	Chemistry	New J. Chem., 44, 15251-15259 Indra Hang Subba, Ranjit Kumar Singh, Nayan Sharma, Souvik	2020	1144-0546
88	Understanding asymmetry in electromagnetically induced transparency for <sup>87</sup> Rb in strong transverse magnetic field:	Chatterjee, and Ajay Tripathi	Chemistry	Eur. Phys. J. D 74: 136	2020	0144-0546
89	Theoretical investigation of intense ultrashort xuv pulse-induced	Souvik Chatterjee	Chemistry	J. Opt. Soc. Am. B 37, 3099	2020	0030-3941



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90	Automatic Localization of Elevation Values in a Poor Quality Topographic Map	Pradhan, A., Pradhan, M. P.	Computer Applications	International Journal of Image and Graphics	2021	0219-4678	
91	Data Science in Unveiling COVID-19 Pathogenesis and Diagnosis: Evolutionary Origin to Drug Repurposing	Jayanta K Das, G Tradigo, P Veltri, P H Guzzi*, and Swarup Roy*	Computer Applications	Briefings in Bioinformatics (Oxford), Vol. 22 No. 02, pp. 855–872.	2021	1477-4054	
92	Mapping Sequence to Feature Vector using Numerical Representation of Codons Targeted to Amino Acids for Alignment-Free Sequence Analysis	Jayanta K Das, Antara Sen Gupta, Pabitra Paul Choudhury, Swarup Roy*	Computer Applications	GENE (Elsevier), Vol. 766, 145096,	2021	0378-1119	
93	Prioritizing Disease Biomarkers using Functional Module based Network Analysis: A Multilayer Consensus Driven Scheme	Monica Jha, 1 Swarup Roy* and Jugal Kalita	Computer Applications	Computers in Biology and Medicine (Elsevier), Vol. 126 ,No.	2020	0010-4825	

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94	An Incremental Approach for Hierarchical Community Mining in Evolving Social Graphs	Keshab Nath, Swarup Roy*& Sukumar Nandi	Computer Applications	Int. Journal of Intelligent Enterprise (Inderscience), Vol. 8 (2-3) pp. 123-141	2021	1745-3240	
95	BloTHR: Electronic Health Record Servicing Scheme in IoT-Blockchain Ecosystem	Ray, P. P., Chowhan, B., Kumar, N., Almogren, A.	Computer Applications	IEEE IoT Journal.	2020	2327-4662	
96	SDN/NFV Architectures for Edge-Cloud IoT Environment: A Systematic Review	Ray, P. P., Kumar, N.	Computer Applications	Computer Communications.	2020	0140-3664	
97	Biofuel Powered Electronic Skin: Future of Healthcare	Ray, P. P., Majumder, P.	Computer Applications	Current Science. Volume 119, Issue 12.1882-83	2020	0011-3891	
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99	Reducing Data Gathering Delay for Energy Efficient Wireless Data Collection by Jointly Optimizing Path and Speed of Mobile Sink	Dash, D., Kumar, N., Ray, P. P. Kumar, N.	Computer Applications	IEEE Systems.	2020	1937-9234
100	Special Issue Editorial: Internet of Things as a Key Enabler of Dew Computing. Internet of Things	Ray, P. P., Frincu, M., Wang, Y., Skala, K.	Computer Applications	Elsevier.	2020	2542-6605
101	Streaming Service Provisioning in IoT-based Healthcare: An Integrated Edge-Cloud Perspective	Ray, P. P., Dash, D., Mustafa, N.	Computer Applications	Transactions on Emerging Telecommunications Technologies	2020	2161-3915
102	Coronavirus: A Novel Threat and ICT-based Mitigation	Ray, P. P., Majumder, P.	Computer Applications	Current Science, 2020.	2020	0011-3891
103	Intelligent Internet of Things Enabled Edge System for Smart Healthcare	Ray, P. P., Dash, D., De, D.	Computer Applications	National Academy Science Letters.	2020	2250-1754
104	Sensors for internet of medical things: State-of-the-art, security and privacy issues, challenges and future directions	Ray, P. P., Dash, D., Kumar, N.	Computer Applications	Computer Communications.	2020	0140-3664

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106	Recent Developments in Earth & Environmental Sciences, Natural Resource Management and Climate Change with special focus on Eastern Himalayas	Tewari, V.C.	Geology	Jour. Ind. Geol. Congress, 12 ( 1 ) : 53-57.	2020	2229-435X
107	Indian Summer Monsoon variability in northeastern India during the last two millennia	Dutt, Som., Gupta, A.K., Cheng, Hai, Clemens, S.C., Singh, R.K. and Tewari, V.C.	Geology	Quaternary International	2020	
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109	Development of geopolymer cement concrete for	Niragi Dave, Vaishali	Geology	Journal of Engineer	2020	1726-0531

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110	Allosteric regulation of Glutamate dehydrogenase deamination activity	Bera S, Rashid M, Slijoka A, Li B-L, Chakraborty A	Mathematics	Scientific Reports 10: 16523	2020	2045-2322
111	Equivariant one-parameter deformations of Lie triple systems	Yadav RB, Behera N, Bhutia R	Mathematics	Journal of Algebra 568: 467-479.	2021	0021-8693
112	Thermodynamic processes in dusty plasma	K. Avinash	Physics	Journal of Plasma Physics, 86: 9058605 21.	2020	0022-3778
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114	Holographic charge density wave from D2-D8	Nishal Rai and Subir Mukhopadhyay	Physics	Journal of High Energy Physics 05	2020	1029-8479
115	Ritha: A Greener Cleaner Way of Life	Amitabh a	Physics	Glocal Colloquies, Vol 5,	2020	2454-2423

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116	Nanosecond pulsed laser ablation of Al-Cu-Fe quasicrystalline material: Effects of solvent and fluence	Rawat, R., Tiwari, A., Arun, N., Rao, S.N., Pathak, A.P., Shadangi, Y., Mukhopadhyay, N.K., Rao, S.V. and Tripathi, A.,	Physics	Journal of Alloys and Compounds, 859, 157871.	2021	0925-8388	
117	Green synthesis of strongly luminescent Si/SiO <sub>2</sub> nanoparticles using <i>Actinidia deliciosa</i>	Gurung, S., Arun, N., Tripathi, A., Pathak, A. P., & Tiwari, A.	Physics	Radiation Effects and Defects in Solids, 176(1-2), 38-48.	2021		
118	Understanding asymmetry in electromagnetically induced transparency for 87 Rb in strong transverse magnetic field	Subba, I. H., Singh, R. K., Sharma, N., Chatterjee, S., & Tripathi, A.	Physics	The European Physical Journal D, 74(7), 1-9	2020	1434-6079	

119	Self-assembly of arsenic nanoparticles into magnetic nanotubules and their SERS activity	Sherpa, L., Tripathi, A., Singh, M., Mandal, R., & Tiwari, A.	Physics	Applied Physics A, 126(7), 1-8.	2020	143-20630
120	Nonlinear $\delta f$ particle in cell gyrokinetic simulations of the microtearing mode	J Chowdhury, Y Chen, SE Parker	Physics	Physics of Plasmas 27 (4), 042309.	2020	1070-664X
121	Online classes in Sikkim during the COVID-19 pandemic: Challenges and prospects	Chettri, P., Mahapatra, S. S., Singh, K. D. & Bhutia, J. W.	Commerce	International Journal of Management. 11(8): 837-849.	2020	0976-6502
122	Critical Review of Finances of Local Self Bodies of Sikkim in context of Finance Commission provisions	Dutta, A., Sinha, M., & Mahapatra, S. S.	Commerce	TEST Engineering & Management, Vol 83, 27165–27169.	2020	0193-4120
123	Notion on Digitized Pedagogy : Whether Students' Attributes Matter? A COVID-19 Imperative	Shankar A N	Commerce	International Journal of Management ,	2020	0976-6510

					11(7), Pp 30-41.		
124	Carbon Finance in Ecological Hotspots of India, Retrospect and Prospects: Through the CSR Lens	Shankar A N	Commer ce	Internati onal Journal of Advance d Science and Technolo gy, 29(6), 8935- 8948.	2020	2005- 4238	
125	A Drill-Down Approach Towards Talent Supply Scenario in Sikkim. Prabandhan	Prasansh a Dong, Ravi Shekhar Vishal, B. Muthu Pandian.	Commer ce	Indian Journal of Manage ment (SCOPUS ) 8 – 9: 59 – 70	2020	0975- 2854	
126	Attitude of Adolescent towards alcohol and drugs in relation to peer pressure of Dhemaji district of Assam	Buragoh ain, D. and Verma, A.	Educatio n	Journal of Interdisc iplinary Cycle Research : 126- 141	2020	0022- 1945	
127	Online Education in the Era of Covid-19: Pleasure or Pressure	Verma, A.	Educatio n	The Internati onal Journal of Analytica l and Experim	2021	0886- 9367	



					ental Modal Analysis: 1032- 1040		
128	Pandemic Pedagogy Paradigm Shift Strategies of K-12 & Higher Education in India, Vietnam & Mexico after Covid- 19	R.S.S Nehru, Ton Quang Cuong, Sandra Gudiño Paredes	Educatio n	Internati onal Journal of Advance d Science and Technolo gy. Vol. 29, No. 7s,, pp. 5618- 5628	2020	2005- 4238	
129	National Institutional Ranking Framework (n.i.r.f - 2020) Influence on Indian Higher Education	RSS Nehru.	Educatio n	TEST Engineer ing & Manage ment magazin e Vol. 83: July/Au gust 2020,pp. 347	2020	0193- 4120	
130	Risk-adjusted performance evaluation of pension fund managers under social security schemes (National	Murari, K.	Manage ment	Journal of Sustaina ble Finance & Investme nt.	2020	2043- 0809	

		Pension System) of India.					
131		Does Socio-Demography affect Preferences and Concerns towards Cashless Payment? Evidence from the North Eastern Region of India	Murari, K., Bhatt, V.; Kumar, P.	Management	Journal of Payment Strategy & Systems. Vol. 14 (3), pp. 1-16.	2020	1750-1806
132		Does Firm-size, Profit and CSR-awareness Impact an SME's Behaviour Towards its Employees: An Exploratory Indian Study	Kumar, P, Bhatt, V; Murari, K.	Management	Journal of Critical Reviews. Vol.7 (15), pp.1896-1906	2020	2394-5125
133		Role Of Banks in Financial Inclusion: A Study Of East Sikkim	Das, P K., Madan Chettri	Management	AEGAEU M JOURNAL. Vol. 8, Issue, 9, pp. 839-850.	2020	0776-3808
134		Business Plan for a Startup Hotel: A case study on Hotel Ravangla Star, South Sikkim ADALYA JOURNAL. Vol. 9, Issue, 8, pp. 352-359.	Das, P K.	Management		2020	1301-2746
135		Teachers' perception towards Quality of Higher	Anjana Sharma, Achanta	Management	Journal of Interdisciplinary	2020	0022-1945

	Education in Sikkim	Ravi Prakash,		Cycle Research Vol.XII, Issue:X, October, 2020		
136	Probable Difficulties Confronted By Customers: With Reference To Renewable Energy	Rai, R., Sharma N.D, Jha. A, Pradhan B.B	Management	Psychology and Education Journal, 58(3), 3584-3595.	2021	0033-3077
137	Naga Youth Engagement with Korean popular culture: An alternative avenue	Yimchunger, J.	Mass Communication	International Journal of Media and Cultural Politics 6(2):233-251.	2020	1740-8296
138	Experiencing Hindustani Raga Music: A Select Study from Kolkata	Bandopadhyay S, Vedabala S	Music	Rupkatha Journal on Interdisciplinary Studies in Humanities : 1-11.	2020	0975-2935
139	Life in COVID-19: A study of Indian Classical Music and Musician	Vedabala S	Music	Journal of the Social Sciences.	2020	0253-1097

140	Journal of teaching in travel & tourism: a bibliometric analysis	Sharma, P., Singh, R., Tamang, M., Singh, A.K., and Singh, A.K.	Tourism	Journal Of Teaching In Travel & Tourism.	2020	1531-3220
141	Journal of teaching in travel and tourism: a bibliometric analysis	Sharma et al.	Tourism	Journal of Teaching in Travel and Tourism	2020	1531-3220
142	Twenty Years of Journal of Quality Assurance in Hospitality and Tourism: A Bibliometric Assessment	Singh et al.	Tourism	Journal of Quality Assurance in Hospitality and Tourism	2021	1528-008X
<a href="https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Annual%20Report%202020-21.pdf">https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Annual%20Report%202020-21.pdf</a>						

<b>3.4.9</b>	<b>Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University</b>				
	<b>Q<sub>n</sub>M</b>	<b>Scopus</b>			
	<b>Year</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
	<b>Publication (as on 23<sup>rd</sup> Nov 21</b>	79	100	134	122
	<b>h-Index</b>	13	13	9	4
	<b>Web of Science</b>				
	<b>Year</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
	<b>Publication (as on 23<sup>rd</sup> Nov 21</b>	45	62	79	67
	<b>h-Index</b>	10	12	7	4

### Key Indicators – 3.5 Consultancy

Metric No.					
3.5.1 Q <sub>1</sub> M	<p><b>Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy</b></p> <p><b>Yes</b></p>				
3.5.2 Q <sub>n</sub> M	<p><b>Revenue generated from consultancy and corporate training during the year(INR in Lakhs)</b></p> <p>3.5.2.1: Total amount generated from consultancy and corporate training during the year (INR in lakhs)</p> <table border="1"> <thead> <tr> <th>Year</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td>Number</td> <td>0</td> </tr> </tbody> </table>	Year	2020-21	Number	0
Year	2020-21				
Number	0				

### Key Indicators - 3.6 Extension Activities

Metric No.	
3.6.1 Q <sub>i</sub> M	<p><b>Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the year</b></p> <p><b>NSS</b></p> <p>1. Sikkim University National Service Scheme (NSS) Cell observed 5th June as World Environment Day that had the theme for the year 2020 as “Celebrate Biodiversity”. The cell formed 5 environmental protection teams from amongst the volunteers for the purpose of carrying out the objectives of ‘World Environment Day’. These teams were 1. Sanitation and hygiene team, 2. Water conservation team, 3. Energy conservation team, 4. Waste management team and 5. Greenery team.</p> <p>2. On 7th June NSS organised a webinar on the topic of ‘Jal Shakti Campus and Swachh Campus’ as an extension activity of environment day.</p> <p>3. Sikkim University N.S.S. Cell observed International Yoga Day 2021 in a different manner amid the raging CoVID -19 pandemic. N.S.S. organized an online yoga session on 21/6/2020 (Sunday) at 9:00 AM in the online webinar mode on the Google Meet application. The theme of International Yoga day, 2020 was “Yoga at Home and Yoga with Family”.</p> <p>4. An online training on “Join the War against CoVID-19” was organised for the NSS Volunteers and students of Sikkim University from June 24 to July 1, 2020 with the objective to help volunteers in</p>

understanding the disease CoVID-19, vulnerabilities to the disease, prevention strategies for CoVID- 19, legal rules and regulations enacted to prevent the spread of the disease and role of youth in such prevention. The objective of the training was to motivate the volunteers and students in being prepared to play their roles in their local communities as and when required or if called upon by the administration/ authorities to tackle the scourge of CoVID - 19.

5. The National Service Scheme organised a pledge taking ceremony to take full responsibility of observing all Covid-19 safety protocols. The pledge taking ceremony was held on 8th October, 2020. Due to the pandemic and advancement of technology, the ceremony was held online on Google Meet platform. There were thirty-two (32) participants including the Coordinator for the Scheme. Miss Sheela Nawrang was the moderator for the ceremony.

6. An “Online National Level Awareness Program’ on “Preventing Social Stigmatization of CoVID- 19 Patients” was organised by the NSS Cell of Sikkim University on 17th October, 2020. The program was chaired by the Hon’ble Vice-Chancellor Sikkim University. The inaugural address of the program was delivered by the Hon’ble Minister, Department of Sports and Youth Affairs, Government of Sikkim Shri Kunga Nima Lepcha. Shri Kuber Bhandari, Secretary, Department of Sports and Youth Affairs and the Registrar, Sikkim University, Shri T.K. Kaul also graced the program with their august presence. The valedictory session was chaired by Prof J P Tamang and valedictory address was delivered by Prof Harbans Dixit.

7. Sikkim University NSS Cell has organized an online talk on “Staying Cyber Safe during Pandemic” on the occasion of National Education Day on 11 November. Er Nikhil Srivastava, Ethical



Hacker; Bug Bounty Hunter; Synack Champion; Founder BSides Ahmedabad; addressed the participants.

8. Sikkim University NSS organised an awareness program on World's Aids Day on 1 December 2020. The objective of the program was to generate awareness amongst the youth on the issue.

9. Sikkim University NSS organised an online talk on the occasion of "Human Rights Day " on 10 December 2020. The talk was delivered on "Human Rights: An Indic Perspective".

10. Sikkim University NSS organized a webinar on "Youth Development" on 22 December 2020. The objective of the program was to develop an understanding about demographic dividend, education and employment, youth civic participation, youth culture, youth civic engagement, national youth policy and positive youth development etc. The talk was delivered by Dr. Kottu Sekhar, Head Rajiv Gandhi National Institute of Youth Development (RGNIYD) Regional Centre, Chandigarh.

11. Sikkim University NSS organised an online University Level Competition (Prelims) titled "Nurturing Environment Leaders" in the form of Group Discussion on 19 January 2021. The objective of the program was "to train today's students into tomorrow's leaders through Youth Forum ". The panel of judges included; Dr Alka Sagar from Meerut Institute of Engineering, Dr Sumanth from an institute in South India and Dr Kamal Poudyal from Namchi Government College have judged the participants. The selected candidates participated at the regional level competition.

12. On March 13, 2021, an online debate competition was organised on the topic, "PoSH is an Underutilised Law." PoSH stands for "The

	Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013.”
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<p><b>3.6.2</b></p> <p><b>Q<sub>n</sub>M</b></p>	<p><b>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 year</b></p> <p>3.6.2.1: Total number of awards and recognition received for extension activities from Government / Government recognised bodies during the year</p> <table border="1"> <tr> <td><b>Year</b></td> <td><b>2020-21</b></td> </tr> <tr> <td><b>Number</b></td> <td>0</td> </tr> </table>	<b>Year</b>	<b>2020-21</b>	<b>Number</b>	0																														
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<p><b>3.6.3</b></p> <p><b>Q<sub>n</sub>M</b></p>	<p><b>Number of extension and outreach programs conducted by the institution including those through NSS/NCC/ Government and Government recognised bodies during the year</b></p> <table border="1"> <tr> <td><b>Year</b></td> <td><b>2020-21</b></td> </tr> <tr> <td><b>Number</b></td> <td><b>9</b></td> </tr> </table> <table border="1"> <thead> <tr> <th><b>Sl No</b></th> <th><b>Programme Title</b></th> <th><b>Funding Agency</b></th> <th><b>Date</b></th> <th><b>Participants</b></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>World Environment Day</td> <td>NSS</td> <td>5 June 2020</td> <td>25</td> </tr> <tr> <td>2</td> <td>A webinar on 'Jal Shakti Campus and Swachh Campus'</td> <td>NSS</td> <td>7 June 2020</td> <td>29</td> </tr> <tr> <td>3</td> <td>International Yoga Day</td> <td>NSS</td> <td>21 June 2020</td> <td>45</td> </tr> <tr> <td>4</td> <td>Online Training on 'Join the War against COVID-19'</td> <td>NSS Cell</td> <td>24 June-1 July 2020</td> <td>98</td> </tr> <tr> <td>5</td> <td>Online National Level Awareness Program' on "Preventing Social Stigmatization of CoVID-19 Patients"</td> <td>NSS</td> <td>17 October 2020</td> <td>110</td> </tr> </tbody> </table>	<b>Year</b>	<b>2020-21</b>	<b>Number</b>	<b>9</b>	<b>Sl No</b>	<b>Programme Title</b>	<b>Funding Agency</b>	<b>Date</b>	<b>Participants</b>	1	World Environment Day	NSS	5 June 2020	25	2	A webinar on 'Jal Shakti Campus and Swachh Campus'	NSS	7 June 2020	29	3	International Yoga Day	NSS	21 June 2020	45	4	Online Training on 'Join the War against COVID-19'	NSS Cell	24 June-1 July 2020	98	5	Online National Level Awareness Program' on "Preventing Social Stigmatization of CoVID-19 Patients"	NSS	17 October 2020	110
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<b>3.6.4</b>	<b>Total number of students participating in extension activities listed at 3.6.3 above during the year</b>																																		
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## Key Indicator - 3.7 Collaboration

Metric No.							
<b>3.7.1</b>	<b>Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year</b>						
<b>Q<sub>n</sub>M</b>	3.7.1.1: Total number of Collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year						
	<b>Year</b>	<b>2020-21</b>					
	Number	3					
S1	Title of the collaborative activity	Department	Name of the collaborating agency with contact details	Source of financial support	Year of collaboration	Duration	Nature of the activity
1	Developments in Earth & Environmental Sciences, Natural Resource Management and Climate Change with special focus on Eastern Himalayas	Geology	INSA	INSA/Sikkim University	2020	October 8-9, 2020	Conference
2	Advanced Training Program on Water Resource Management,	Geology	DST, CoE	DST, CoE	2021	15 February - 07	Advanced Training

		Glacier Monitoring & Climate Change Studies					March , 2021	Program
	3	National Webinar on Impact of COVID-19 Lockdown on Trade and Commerce	Commerce	Sikkim University and Mizoram University	Sikkim University and Mizoram University	2020	19 June 2020	National Webinar
<a href="https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Annual%20Report%202020-21.pdf">https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Annual%20Report%202020-21.pdf</a>								
<b>3.7.2</b>	<b>Q<sub>n</sub>M</b>	<b>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 year</b>						
		<b>Year</b>	<b>20-21</b>					
		Number	0					

## Criterion IV – Infrastructure and Learning Resources

### Key Indicator - 4.1 Physical Facilities

Metric No	
<p><b>4.1.1</b> <b>Q<sub>1</sub>M</b></p>	<p><b>The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.</b></p> <p>The University continues to operate from over 40 hired premises in the city of Gangtok. In all, 112 classrooms, 25 laboratories appropriately equipped (Wi fi service, laptops/desktops, projectors etc.) according to the needs of individual departments are available.</p> <p>The work for construction of the permanent campus of the University is under progress. The University is constructing 50 seaters (20 Nos) classroom block, Library building, Faculty building and a Teaching Lab in the Academic Zone during existing construction project the subsequent teaching and research facility will be taken up subsequently in phase wise manner. The buildings shall be adequately furnished and equipped once completed.</p>
<p><b>4.1.2</b> <b>Q<sub>1</sub>M</b></p>	<p><b>The institution has adequate facilities for cultural activities, yoga, games (indoor, outdoor) and sports. (gymnasium, yoga centre, auditorium, etc.)</b></p> <p>The University has two multipurpose halls (Cauvery Hall and Barad Sadan) which are used routinely to organise diverse cultural events throughout the year. To facilitate proper functioning, these halls are well furnished and equipped with necessary facilities. A fully functional gymnasium equipped with modern gadgets is available to all faculty members, non-teaching staff and student community.</p>



	Likewise, the NSS cell has the responsibility of conducting yoga sessions on regular basis in the multipurpose halls.				
<b>4.1.3</b> <b>Q<sub>i</sub>M</b>	<p><b>Availability of general campus facilities and overall ambience</b></p> <p>Sikkim University is currently functioning from over 40 rented buildings along the National Highway-10. The rented infrastructure consists of Academic Buildings, Laboratories, Library, Office space, Multi-purpose Hall, Guest House, Hostels and accommodation for Statutory Officers.</p> <p>The University has ensured best utilization of the available space and has furnished the labs and departments with all modern facilities. The classrooms are equipped with all necessary teaching resources. The University has also ensured appropriate furnishing in all hostels for comfortable stay of the students.</p> <p>The work for construction of the permanent campus of the University is under progress. The University is constructing 50 seater classroom block, Library building, Faculty building and Laboratories in the Academic Zone. The University is also constructing an Admin building, hostels and residential quarters in the permanent campus which once completed will enable the University to start shifting from the rented premises. Apart from the above buildings, additional infrastructures shall be coming up in the permanent campus in a phased manner.</p>				
<b>4.1.4</b> <b>Q<sub>n</sub>M</b>	<p><b>Total expenditure excluding salary for infrastructure augmentation during the year (INR in Lakhs)</b></p> <table border="1"> <thead> <tr> <th>Year</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td>Number</td> <td>2780.73</td> </tr> </tbody> </table>	Year	2020-21	Number	2780.73
Year	2020-21				
Number	2780.73				

### Key Indicator - 4.2 Library as a Learning Resource

Metric No.	
4.2.1 Q <sub>1</sub> M	<p><b>Library is automated using Integrated Library Management System (ILMS) and has digitisation facility</b></p> <p>a. The Central Library of Sikkim University is fully automated using Integrated Library Management Software KOHA (v.20.11.11.000), an Open-Source Software. It is hosted at a server placed in house.</p> <p>b. The library is automated with RFID in 2012</p> <p>c. The Integrated library management system have following facilities:</p> <ul style="list-style-type: none"> <li>➤ <b>Acquisition</b> (Online Recommendation, Ordering, Receiving &amp; Billing)</li> <li>➤ <b>Cataloguing</b> (Allowing entering of metadata of books, periodicals, Z39.5, Inter Library Loan)</li> <li>➤ <b>Circulation</b> (RFID integrated shelf Check-in-Check-out, Smart Card)</li> <li>➤ <b>Automated Email Alerts</b> (Check-in, Check-Out, Overdue reminders)</li> <li>➤ <b>Serial Management</b> (Ordering &amp; Tracking of Periodicals)</li> <li>➤ The <b>Online Public Access Catalogue</b> available globally facilitating searching of books, online recommendations, dues payment etc</li> </ul> <p>The Automated Library system has also provision for managing Digital Contents such as e-Books, articles, Document Delivery Services, Inter Library Loan. The e-Books subscribed by the library have been catalogued so that along with the print books, user can also able to search e-books and single click download facility within the Network of the Sikkim University. The library</p>

	has scanner which is used to digitize documents as and when needed.														
<b>4.2.2</b>  <b>Q<sub>n</sub>M</b>	<p><b>Institution has subscription for e-Library resources</b></p> <p>Library has regular subscription for the following:</p> <ol style="list-style-type: none"> <li>1. e – journals</li> <li>2. e-books</li> <li>3. e-ShodhSindhu</li> <li>4. Shodhganga</li> <li>5. Databases</li> </ol> <p><b>Options:</b></p> <p>A. Any 4 or all of the above</p>														
<b>4.2.3</b>  <b>Q<sub>n</sub>M</b>	<p><b>Annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the year (INR in Lakhs)</b></p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Year</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td>Number</td> <td>102.36 Lakhs</td> </tr> </tbody> </table>	Year	2020-21	Number	102.36 Lakhs										
Year	2020-21														
Number	102.36 Lakhs														
<b>4.2.4</b>  <b>Q<sub>n</sub>M</b>	<p><b>Number of usage of library by teachers and students per day (foot falls and login data for online access)</b></p> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Year</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td>Number</td> <td>1,99,255</td> </tr> </tbody> </table> <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Year</th> <th>2020-21 (Working Days=164)</th> </tr> </thead> <tbody> <tr> <td><b>Students (Physical)</b></td> <td><b>3281</b></td> </tr> <tr> <td><b>Teachers (Physical)</b></td> <td><b>74</b></td> </tr> <tr> <td><b>Online Access (including Remote Access &amp; OPAC)</b></td> <td><b>1,95,900</b></td> </tr> <tr> <td><b>Total</b></td> <td><b>1,99,255.00</b></td> </tr> </tbody> </table>	Year	2020-21	Number	1,99,255	Year	2020-21 (Working Days=164)	<b>Students (Physical)</b>	<b>3281</b>	<b>Teachers (Physical)</b>	<b>74</b>	<b>Online Access (including Remote Access &amp; OPAC)</b>	<b>1,95,900</b>	<b>Total</b>	<b>1,99,255.00</b>
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<b>Total</b>	<b>1,99,255.00</b>														

	<b>Foot Fall per Day</b>	<b>557.17</b>	
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### Key Indicator – 4.3 IT Infrastructure

Metric No.					
4.3.1  Q <sub>n</sub> M	<p><b>Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities during the year</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th style="text-align: left;">Year</th> <th style="text-align: left;">2020-21</th> </tr> </thead> <tbody> <tr> <td style="text-align: left;">Number</td> <td>Classrooms-112 Seminar Halls – 4 Laboratories -25</td> </tr> </tbody> </table>	Year	2020-21	Number	Classrooms-112 Seminar Halls – 4 Laboratories -25
Year	2020-21				
Number	Classrooms-112 Seminar Halls – 4 Laboratories -25				
4.3.2  Q <sub>1</sub> M	<p><b>Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility Comprehensive Guidelines for Procurement, Allocation and Disposal of Computers and ICT Infrastructure Items</b></p> <p>The proposed guidelines envision the various strategic procedures that should be adopted by the University to streamline Planning, Request Raising, Request Assessment, Procurement, Deployment, Allotment, Asset Management, Penalty conditions, Use and Disposal of Computers and ICT Infrastructure Items.</p> <p>Some of the highlights of the proposed vision document are:</p> <ol style="list-style-type: none"> <li>1. Definition of Computers and ICT infrastructure items.</li> <li>2. Objective of the Policy Document.</li> <li>3. Exclusion from the policy document.</li> <li>4. Listing and categorization of Computers and ICT Infrastructure items with crucial attributes such as depreciation rate, expected operational years and proposed warranty coverage in years to facilitate various allied operations for the respective categories of items.</li> </ol>				

5. Categorization of Computers and ICT infrastructure items.
6. Policy Principles and Working Guidelines discusses applicability of policy, its principles, and working guidelines, constitution and roles of Technical Expert Committee and Central Computers & ICT infrastructure items Procurement Committee.
7. The document proposes constitution of various committees and associates set of well- defined roles and responsibilities for such committees. The document explicitly highlights the roles and the responsibilities of Section/Department Head/In-Charge, Technical Expert Committee, Central Computers and ICT Infrastructure items Procurement Committee, Task Force committee, vendors, service providers, various departments/sections of the University like Finance department, Administration, System Management, Central Stores and other stakeholders related to Computers and ICT Infrastructure items.
8. To facilitate timely execution of various works related to Computers and ICT Infrastructure items, the document highlights a neatly build chronologically ordered set of well-defined steps for requirement and asset management. Associated with every steps are the job description and stipulated timestamps.
9. The document expresses the urgent need for building a mechanism for effective management of ever growing institutional assets, its tracking, monitoring, up-keep and disposal through a computerized asset management solution. Also to facilitate improved and efficient services, the committee has also expressed the need of facility management service and upgradation of existing AMC contracts to efficiently meet the ever growing need of IT service and support requirements of various University departments and sections.
10. The document also discusses some important aspects such as Handing over Policy, Disposal and auctioning, Monitoring and

	<p>Control, Adherence to CVC Rules, Adherence to GFR Rules and Amendment Policy.</p> <p>11. The document projects a detailed comprehensive procurement plan for Computers and ICT infrastructure items.</p> <p>12. The document also presents planned allocation policies of Computers and ICT infrastructure items.</p> <p>13. For full details, please refer to the Guidelines document for procurement, allocation and disposal of Computers and ICT infrastructure items.</p>
<p><b>4.3.3</b> <b>Q<sub>n</sub>M</b></p>	<p><b>Student - Computer ratio during the year</b></p> <p>Number of students: Number of Computers available to students for academic purposes</p> <p>1:2.25</p>
<p><b>4.3.4</b> <b>Q<sub>n</sub>M</b></p>	<p><b>Available bandwidth of internet connection in the Institution (Leased line)</b></p> <p><b>Options:</b></p> <ul style="list-style-type: none"> <li>• ≥1 GBPS</li> </ul>
<p><b>4.3.5</b> <b>Q<sub>n</sub>M</b></p>	<p><b>Institution has the following Facilities for e-content development</b></p> <ol style="list-style-type: none"> <li>1. Media centre</li> <li>2. Audio visual centre</li> <li>3. Lecture Capturing System(LCS)</li> <li>4. Mixing equipment's and softwares for editing</li> </ol> <p><b>Options:</b></p> <p>A. Any 2 of the above</p>

### Key Indicator - 4.4 Maintenance of Campus Infrastructure

Metric No.					
<b>4.4.1</b>  <b>Q<sub>n</sub>M</b>	<p><b>Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year</b></p> <table border="1"> <thead> <tr> <th>Year</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td>Number</td> <td>159552627</td> </tr> </tbody> </table>	Year	2020-21	Number	159552627
Year	2020-21				
Number	159552627				
<b>4.4.2</b>  <b>Q<sub>i</sub>M</b>	<p><b>There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.</b></p> <p><b>Yes</b></p> <p>he proposed guidelines envision the various strategic procedures that should be adopted by the University to streamline Planning, Request Raising, Request Assessment, Procurement, Deployment, Allotment, Asset Management, Penalty conditions, Use and Disposal of Computers and ICT Infrastructure Items.</p> <p>Some of the highlights of the proposed vision document are:</p> <ol style="list-style-type: none"> <li>1. Definition of Computers and ICT infrastructure items.</li> <li>2. Objective of the Policy Document.</li> <li>3. Exclusion from the policy document.</li> <li>4. Listing and categorization of Computers and ICT Infrastructure items with crucial attributes such as depreciation rate, expected operational years and proposed warranty coverage in years to facilitate various allied operations for the respective categories of items.</li> <li>5. Categorization of Computers and ICT infrastructure items.</li> </ol>				



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## Criterion V - Student Support and Progression

### Key Indicator - 5.1 Student Support

Metric No.					
5.1.1  Q <sub>n</sub> M	<p><b>Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the year (other than the students receiving scholarships under the government schemes for reserved categories)</b></p> <table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: center;">Year</th> <th style="text-align: center;">2020-21</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Number</td> <td> <ul style="list-style-type: none"> <li>• 54-no. of full fellowship @ Rs 3000/- by Sikkim Univeristy</li> <li>• 42-full free-ship by Sikkim Univeristy</li> <li>• 55-half free-ship by Sikkim Univeristy</li> <li>• 230-Non-NET fellowships by Sikkim Univeristy</li> <li>• 48-JRF</li> <li>• 5-SRF</li> </ul> </td> </tr> </tbody> </table>	Year	2020-21	Number	<ul style="list-style-type: none"> <li>• 54-no. of full fellowship @ Rs 3000/- by Sikkim Univeristy</li> <li>• 42-full free-ship by Sikkim Univeristy</li> <li>• 55-half free-ship by Sikkim Univeristy</li> <li>• 230-Non-NET fellowships by Sikkim Univeristy</li> <li>• 48-JRF</li> <li>• 5-SRF</li> </ul>
Year	2020-21				
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5.1.2  Q <sub>n</sub> M	<p><b>Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year</b></p> <table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: center;">Year</th> <th style="text-align: center;">2020-21</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Number</td> <td style="text-align: center;">NIL</td> </tr> </tbody> </table>	Year	2020-21	Number	NIL
Year	2020-21				
Number	NIL				
5.1.3  Q <sub>n</sub> M	<p><b>Following Capacity development and skills enhancement initiatives are taken by the institution</b></p> <ol style="list-style-type: none"> <li>1. Soft skills</li> <li>2. Language and communication skills</li> <li>3. Life skills (Yoga, physical fitness, health and hygiene)</li> <li>4. Awareness of trends in technology</li> </ol>				

	<p><b>Options:</b></p> <p>C. Any 2 of the above</p> <ul style="list-style-type: none"> <li>• <b>Yoga:</b> introduced in 2018 under the NSS cell of the university.</li> <li>• <b>Communication skill:</b> introduced in 2011 for enhancing English communication of students by the university.</li> <li>• <b>Agency involved:</b> Sikkim University</li> </ul>
<p><b>5.1.4</b></p> <p><b>Q<sub>n</sub>M</b></p>	<p><b>The Institution adopts the following for redressal of student grievances including sexual harassment and ragging cases</b></p> <ul style="list-style-type: none"> <li>• Implementation of guidelines of statutory/regulatory bodies</li> <li>• Organisation wide awareness and undertakings on policies with zero tolerance</li> <li>• Mechanisms for submission of online/offline students' grievances</li> <li>• Timely redressal of the grievances through appropriate committees</li> </ul> <p>Options:</p> <ul style="list-style-type: none"> <li>• All of the above</li> </ul>

## Key Indicator - 5.2 Student Progression

Metric No.																																																																																						
5.2.1	<p><b>Number of students qualifying in state/ national/ international level examinations during the year (eg: NET/SLET/GATE/GMAT/CAT/GRE/TOEFL/Civil Services/ State government examinations)</b></p> <p>5.2.1.1: Number of students who qualified in state/ national/ international examinations (e.g.: IIT/JAM/NET/SET/JRF/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations) during the year:</p> <table border="1"> <thead> <tr> <th>Year</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td>Number</td> <td>56</td> </tr> </tbody> </table>	Year	2020-21	Number	56																																																																																	
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		15	MASS COMMUNICATIONS	1																																																																																		

	2	SET	<b>Sl No</b>	<b>Department</b>	<b>NET</b>
				HINDI	1
	3	SLET	<b>Sl No</b>	<b>Department</b>	<b>NET</b>
				BOTANY	2
	4	GATE	<b>Sl No</b>	<b>Department</b>	<b>NET</b>
			1	PSYCHOLOGY	1
			2	ENGLISH	1
			3	MICROBIOLOGY	2
			4	ZOOLOGY	2
			5	CHEMISTRY	1
	5	State Government Services	<b>Sl No</b>	<b>Department</b>	<b>NET</b>
			1	ECONOMICS	1
			2	HISTORY	1
			3	SOCIOLOGY	2
			4	PSYCHOLOGY	2
			5	ENGLISH	1
			6	NEPALI	2
			7	MICROBIOLOGY	1
			8	PHYSICS	6
9	EDUCATION	2			
6	Others	<b>Sl No</b>	<b>Department</b>	<b>NET</b>	
		1	ANTHROPOLOGY	3	
		2	GEOGRAPHY	2	
		3	PSYCHOLOGY	1	
		4	CHINESE	3	
		5	MICROBIOLOGY	2	
		6	ZOOLOGY	3	
		7	PHYSICS	3	
		8	EDUCATION	3	
		9	MANAGEMENT	3	
10	MASS COMMUNICATIONS	4			

<https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Annual%20Report%202020-21.pdf>

5.2.1.2: Number of students who appeared in state/ national/ international examinations (e.g.: IIT/JAM/ NET/SLET/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations) during the year:

<b>Year</b>	<b>2020-21</b>
<b>Number</b>	N.A.

**5.2.2 Total number of outgoing students placed during the year**

**Q<sub>n</sub>M**

<b>Year</b>	<b>2020-21</b>
<b>Number</b>	41

Sl No	Name of Student	Department	Semester	Organisation where placement is made	Place (City and Country)
1	Md Akter Hussain	Economics	January 2021	Assistant Professor, Bir Raghav Moran Government Model College	Doomdoo ma, Tinsukia, Assam, 786153
2	Biplov Kumar	History	PhD	West Bengal Government, Department of Higher Education	Kolkata
3	Yankeela Bhutia	Sociology	M.Phil.	West Bengal	Kolkata (West Bengal)
4	Janata Sadhan Jamatia	Sociology	M.Phil.	Tripura University	Tripura
5	Ms. Nijara Banskota	Anthropology	4 <sup>th</sup> Semester (Passed out)	Department of Geography, Sikkim University as Field	Gangtok, Sikkim

					Investigator in Niti Aayog-UGC sponsored following thematic Studies being conducted by the Consortium of Central Universities in the Himalayan States (CCUIHS)	
6	Mr. Lakpa Dorjee Sherpa	Anthropology	4 <sup>th</sup> Semester (Passed out)	District Research Person (DRP) in Social Audit Unit under VHAS of East Sikkim under MGNREGA (contractual)	East Sikkim, Sikkim	
7	Ms. Monalisha Doley	Anthropology	4 <sup>th</sup> Semester (Passed out)	Assistant Professor, Department of Anthropology, Lakhimpur Girls' College North Lakhimpur, Assam	North Lakhimpur, Assam	
8	Hendri Yogi	Geography	IV	Loyola College of Education	Namchi, Sikkim	
9	Kunjani Rai	Geography	IV	Taktse International School	Gangtok, Sikkim	
10	Ms. Udita Devi Pokhrel	Psychology	M.A.	Army Public School,	Tezpur, India	
11	Ms. Heather Subba	Psychology	M.A.	Assistant Prof. in Psychology, Sikkim University	Gangtok, India	



12	Mr. Sandipan Das	Chinese	MA IV	Group Coordinator-CN-TRMS Investigator, AMAZON	Hyderabad, Telangana
13	Mr. Aman Pal	Chinese	MA IV	Translator, TRMS Investigator, AMAZON	Hyderabad, Telangana
14	Ms. Kalyani Lama	Chinese	MA IV	Freelance Interpreter for Government of India	Darjeeling, West Bengal
15	Richa Khati	English	M.Phil Scholar	WBCSC Joining Date: 19.01.2021, Working as Assistant Professor	Pathar Pratima Mahavidhyala, South 24 Pargana, WB
16	Narbada Mangar	Nepali		Samdong, Sanskrit Mahavidhyalayay, Govt. of Sikkim	East Sikkim
17	Sandeep Tamang	Nepali		Gayshing Govt. College	West Sikkim
18	Deep Narayan Sarkar	Microbiology	IVthSem	Torrent Pharmaceuticals	Sikkim, India
19	ShanakDey	Microbiology	IVthSem	Alkem Health Science Pvt. Ltd.	Sikkim, India
20	Goshaidas Roy	Microbiology	IVthSem	Centre of Excellence, FA, Department of Geology, Sikkim University	Gangtok, Sikkim, India
21	Dr. Prajwal Chettri	Physics	Ph.D. : VIII	Selesian College, Siliguri	Siliguri, India

22	Dr. Rajesh Rawat	Physics	Ph.D. : VIII	S. R. M. University, Gangtok	Gangtok, India
23	Hemant Neopane y	Physics	M.Sc. : IV	Animal Husbandry Dept., Govt. of Sikkim	Gangtok, India
24	Sourav Changmai	Physics	M.Sc. : IV	Assam Police, Govt. of Assam	Assam, India
25	Dipan Pradhan	Physics	M.Sc.: IV	Kendriya Vidyalaya, Gangtok	Gangtok, India
26	Upaman yu Goswami	Physics	M.Sc.: IV	Gauhati Planetarium, Guwahati	Guwahati, India
27	Kailash Khati	Physics	M.Sc.: IV	Pelling Senior Secondary School	Pelling, India
28	Prittika Chettri	Physics	M.Sc.: IV	East Point Senior Secondary School	Singtam, India
29	Mrinmoy Goswami	Physics	M.Sc.: IV	Punjab National Bank	Guwahati, India
30	Kajol Choudhary	Commerce	2018 batch student	Max Life Insurance (as Agency Development Manager)	Gangtok (India)
31	Ashwin Sherpa	Commerce	2019 batch student	Govt. Of Sikkim (Horticulture Department) (as Organic Field Assistant)	Namchi (India)
32	Asma Tara Begum	Commerce	2017 batch student	National Highways and Infrastructure Development Corporation Ltd. (As Stenographer to GM)	Smileland, Ranipool (India)

	33	Rinchen Doma Bhutia	Commerce	2017 batch student	ICFAI Sikkim University (As Asst. Professor)	Gangtok (India)
	34	Sital Rai	Commerce	2017 batch student	ICFAI Sikkim University (As Asst. Professor)	Gangtok (India)
	35	Soubhik Debnath	Management	IV	State Bank of India	Siliguri
	36	Aashis Sunwar	Management	IV	AXIS Bank	Gangtok
	37	Bhupendra Adhikari	Management	IV	NGO Citizens Foundation	Gangtok
	38	Dipti Ranjan Das	Mass Communications	2017-18	Orissa Television Limited	Orissa, India
	39	Archita Sharma	Mass Communications	2018-19	The English and Foreign Languages University	Assam, India
	40	Karshika Baruah	Mass Communications	2018-19	Shri Aurobindo Society	West Bengal, India
	41	Partha Pratim Hazarika	Mass Communications	2018-19	News 18 Network	Assam India
	<a href="https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Annual%20Report%202020-21.pdf">https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Annual%20Report%202020-21.pdf</a>					
<b>5.2.3</b>	<b>Number of recently graduated students who have progressed to higher education during the year</b>					
<b>Q<sub>n</sub>M</b>						
	<b>Year</b>	<b>2020-21</b>				
	Number	32				

### Key Indicator - 5.3 Student Participation and Activities

Metric No.					
<b>5.3.1</b>  <b>Q<sub>n</sub>M</b>	<p><b>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 year</b></p> <table border="1"> <thead> <tr> <th>Year</th> <th>20-21</th> </tr> </thead> <tbody> <tr> <td>Number</td> <td>N.A.</td> </tr> </tbody> </table>	Year	20-21	Number	N.A.
Year	20-21				
Number	N.A.				
<b>5.3.2</b>  <b>Q<sub>1</sub>M</b>	<p><b>Presence of Student Council and its activities for institutional development and student welfare.</b></p> <p>The aim and objective of the Sikkim University Student Association (SUSA) is to act as a liaison between the students and the University administration with a motive of fostering welfare of the students belonging to the university and to safeguard interests of the students from corruption, deprivation, discrimination and exploitation of all kinds. SUSA is responsible for representing the students. Any grievance to be addressed concerning students welfare is routed through SUSA and Dean of Student Welfare to the university administration.</p> <p>All the academic Departments of the University are required to nominate one departmental representative to assist the SUSA Executive Committee in its functioning in accordance with the SUSA Constitution. She/he shall bring forth the grievances and concerns of the students to the Executive Committee.</p> <p>SUSA makes efforts to promote, develop and recommend educational activities, and assists in development of overall academic ambience of the university conducive to the diverse needs of the society. SUSA</p>				

	<p>has a representation in the academic council, where they have the opportunity to contribute to the holistic academic enrichment.</p> <p>The SUSA is in relentless pursuit to promote social, cultural, sport and recreational activities, forums and other rhetorical activities to enhance student life. SUSA also actively contributes towards the welfare of the society while recognizing essential role of the students in building of the society and high moral values as well as cultivating environmental awareness for the conservation of nature.</p> <p>SUSA also aims at promoting cordial relations with members of other Universities, Institutions and affiliated Colleges which are deemed necessary.</p>				
<p><b>5.3.3</b></p> <p><b>Q<sub>n</sub>M</b></p>	<p><b>Number of sports and cultural events / competitions organised by the institution during the year</b></p> <table border="1"> <thead> <tr> <th>Year</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td>Number</td> <td>Sports-0, Culture-0</td> </tr> </tbody> </table>	Year	2020-21	Number	Sports-0, Culture-0
Year	2020-21				
Number	Sports-0, Culture-0				

### Key Indicator – 5.4 Alumni Engagement

<b>Metric No.</b>	
<b>5.4.1</b> <b>Q<sub>i</sub>M</b>	<p><b>The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services during the year</b></p> <p>In view of less number of Alumni, Alumni Association is yet to be formed in the University. However, students and Faculty members are encouraged to start Alumni programme. Also, the Regulations of Sikkim University Alumni Association is in place after being approved by the Executive Council.</p>
<b>5.4.2</b> <b>Q<sub>n</sub>M</b>	<p><b>Alumni contribution during the year(INR in lakhs)</b></p> <p>The university does not have a registered alumni association.</p>

## Criterion VI – Governance, Leadership and Management

### Key Indicator - 6.1 Institutional Vision and Leadership

Metric No.	
6.1.1 Q <sub>1</sub> M	<p><b>The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance</b></p> <p>The following are the vision and mission of Sikkim University:  <b>Vision</b> -"To achieve intellectual, academic and cultural development of the people of Eastern Himalayas".  <b>Mission</b> - "To provide quality higher education".</p>
6.1.2 Q <sub>1</sub> M	<p><b>The effective leadership is reflected in various institutional practices such as decentralization and participative management.</b></p> <p>In terms to Statute 42 of the Sikkim University Act, the centralized sanctioning/ approving powers of the authority have been delegated/decentralized for effective functioning of the University with participative management as mentioned below:</p> <p>The Executive Council in its 32<sup>nd</sup> meeting held on 08.02.2019 approved delegation of powers for sanction of various kinds of leave for teaching and non-teaching staff to the HoDs, Deans of Schools, Registrar and Vice-Chancellor.</p> <p>The Executive Council in its 34<sup>th</sup> meeting held on 09.12.2019 approved delegation of financial powers to the HoD's, Deans of Schools and Statutory Officers upto a certain limit.</p>

	<p>The Executive Council in its 35<sup>th</sup> meeting held on 11.09.2020 approved delegation of powers for appointment, disciplinary cases and appeal and thereby approved the Authorities for Appointments, Disciplinary action and Appeals for University employees (Teaching and Non-Teaching).</p> <p>Earlier, all the above-mentioned powers were confined only with Executive Council and Vice-Chancellor</p>
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## Key Indicator - 6.2 Strategy Development and Deployment

Metric No.	
6.2.1 Q <sub>1</sub> M	<p><b>The institutional Strategic plan is effectively deployed.</b></p> <p>Sikkim University is perhaps the first and yet the only Central University in the country to make “National Service’ a compulsory audit course for all PG students. During one of the winter vacations the students must devote at least 30 days of social service to their own villages, towns, mohallas, etc. Depending on their interest and knowledge they may dedicate their service to spread awareness about health, hygiene, environment, gender, etc. or associate themselves with some NGO work with the people. They also need to document the service they have rendered to the people and submit the same for evaluation, which will be marked as “Satisfactory” and “Unsatisfactory”. Without a satisfactory report in National Service they will not get a Master’s degree from our university.</p> <p>This programme has been accepted very well by the students and the prospect of the impact of 30 days of service by about 650 PG students each year is enormous. It will result in almost 20 thousand days of service to the people in places from where they have come themselves. This is often the only opportunity for them to give service to the people where they were born and brought up. In short, this is a service to their own people. They however have the choice to do this service to the people of their choice on a subject of their interest and expertise.</p>
6.2.2 Q <sub>1</sub> M	<p><b>The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.</b></p>

	<p>The Acts, Statutes, Ordinances and Regulations clearly defines the functioning of the Statutory Bodies of the University, viz., Executive Council, Academic Council, Finance Committee, College Development Council etc. Minute to minute details are well articulated in the Acts, Statutes, Ordinances and Regulations pertaining to policies, administrative setup, appointment and service rules, procedures, etc.</p>
<p><b>6.2.3</b>  <b>Q<sub>n</sub>M</b></p>	<p><b>Institution Implements e-governance in its areas of operations</b></p> <p>6.2.3.1 e-governance is implemented covering following areas of operation</p> <ol style="list-style-type: none"> <li>1. Administration</li> <li>2. Finance and Accounts</li> <li>3. Student Admission and Support</li> <li>4. Examination</li> </ol> <p><b>Options:</b></p> <p>A. All of the above</p>

### Key Indicator - 6.3 Faculty Empowerment Strategies

Metric No.					
<b>6.3.1</b> <b>Q<sub>1</sub>M</b>	<p><b>The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff</b></p> <p>University, as per UGC Regulation 2018 has recognized performance appraisal system for its Teaching staff. Annual Performance Appraisal Report is collected from its faculty on yearly basis. From Non-Teaching staff APAR is collected annually as per government of India's regulation for all central government employees.</p> <p>For teaching staff, the University is granting promotions through Carrier Advancement Scheme as per the guideline given in UGC Regulations. The promotions of Non-Teaching staff are granted on the basis of Recruitment and Promotions Rules (Non-Teaching) 2016. The eligibility criteria are seen as per the guideline followed for the respective posts /cadre.</p>				
<b>6.3.2</b> <b>Q<sub>n</sub>M</b>	<p><b>Total number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year</b></p> <table border="1"> <thead> <tr> <th>Year</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td>Number</td> <td>0</td> </tr> </tbody> </table>	Year	2020-21	Number	0
Year	2020-21				
Number	0				
<b>6.3.3</b> <b>Q<sub>n</sub>M</b>	<p><b>Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year</b></p>				

<b>Year</b>		<b>2020-21</b>		
Number		33		
Sl No	Title of Workshop/Seminar	Name of the Dept.	Date(s)	Number of Participates
1	Online Workshop on Data Analysis using SPSS	Economics	12-13 December 2020	60
2	Fortnightly online lecture series	Economics	Started on 27 November 2020 Ended on 13 April 2021	45
3	Hydro diplomacy curriculum designing workshop	International Relations	06.July2020	17
4	The Fourth Global Lecture	International Relations	03.March 2021	-
5	Impact of COVID19 on Gender Equality	Sociology	30 June 2020	382
6	Covid 19 Pandemic and Domestic Violence in Sikkim	Sociology	28 November 2020	121
7	Lecture Series	Sociology	09 December 2020 12 December 2020 16 December 2020 18 December 2020 19 December 2020	131
8	Special Academic Lecture Session on "India China Bilateral Relations: Past Interactions and Future Engagement"	Chinese	10 December 2020	110

9	Two-day National Level Students' Online Seminar on "Interrogating Literary Theory	English	16-17 October 2020	130
10	Prof. Y.S. Murty Memorial Lecture	Botany	24 December 2020	125
11	Online faculty interaction meet of DFG, German Research Foundation	Botany	22 September 2020	20
12	6th International Conference on Mathematics and Computing (ICMC 2020)	Computer Applications	23-25, September, 2020 (Virtual)	75
13	Online One Week FDP on Basics of Machine Learning- The Mathematical Inside	Computer Applications	08 – 12 March 2021	30
14	Recent Developments in Earth & Environmental Sciences, Natural Resource Management and Climate Change with special focus on Eastern Himalayas	Geology	8-9 October 2020	80
15	Advanced Training Program on Water Resource Management, Glacier Monitoring & Climate Change Studies	Geology	15 February - 07 March, 2021	32
16	Seminar for Celebrating International Day of Mathematics	Mathematics	15 March 2021	35

17	National Webinar on “Impact of COVID-19 Lockdown on Trade and Commerce”	Commerce	19 June 2020	1600
18	Ten Days online Workshop on Research Methodology Course in Social Sciences	Management	14-23 September 2020	40
19	Three Days Online Workshop on Data Visualisation & Statistical Analysis using Systat	Management	10-12 August 2020	60
20	Online workshop on Communication for Development	Mass Communication	06 March 2021	21
21	Delhi & Sikkim E-Tour (Ek Bharat Shreshth Bharat)	Mass Communication	11 November 2020	107
22	Webinar on Rural Communication in Sikkim	Mass Communication	17 March 2021	44
23	Induction meeting	IGNOU Regional Centre, Gangtok	6 February 2021	60
24	Orientation Programme for HoDs/In-charges and Departmental representatives on Online Book Requisition System	Library	18 January 2021	15+
25	National Webinar on Management Issues in Libraries of 21st Century: Problems and Opportunities	Library, ICSSR	22 – 24 January 2021	40+
26	End-user training of Grammarly tool	Library	26 March 2021	20+

27	Online Workshop on Implementation of Rajbhasha Hindi : with Special context of Noting and Drafting	Sikkim University	9 September 2020	33
28	Workshop on Official Noting writing	Sikkim University	21 January 2021	26
29	One day Interaction meeting Sikkim University –IKP Knowledge Park, New Delhi (Held in hybrid mode)	Sikkim University	15 October 2020	90
30	Special Online Lecture on Psychological concerns during the Covid-19 pandemic and post-pandemic world	Sikkim University	8 July 2020	70
31	Impact of Covid 19 on Gender equality (Online)	UGC	30 July 2020	672
32	Women in Leadership: Achieving an equal future in a COVID 19 world” (International Women's Day). (Online)	Sikkim University	8 March 2021	250
33	Sexual Harassment at Higher Educational Institutions (Online)	Sikkim University	16 March 2021	250-300
<a href="https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Annual%20Report%202020-21.pdf">https://cus.ac.in/images/content/static/AQAR/2020-21/AQAR%202020-21/Annual%20Report%202020-21.pdf</a>				

<p><b>6.3.4</b></p> <p><b>Q<sub>n</sub>M</b></p>	<p><b>Total number of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course)</b></p> <table border="1"> <tr> <td><b>Year</b></td> <td><b>2020-21</b></td> </tr> <tr> <td><b>Number</b></td> <td>0</td> </tr> </table>	<b>Year</b>	<b>2020-21</b>	<b>Number</b>	0
<b>Year</b>	<b>2020-21</b>				
<b>Number</b>	0				

**Key Indicator – 6.4 Financial Management and Resource Mobilization**



<b>Metric No.</b>	
<b>6.4.1 QM</b>	<p><b>Institutional strategies for mobilisation of funds and the optimal utilisation of resources</b></p> <p>The University is governed by the special Act of Parliament i.e. Sikkim University Act, 2006. The primary and major source of fund received by the University is from University Grants Commission through approval of Ministry of Finance. The University receives grant under the following heads:</p> <ul style="list-style-type: none"> <li>• Salary</li> <li>• Recurring</li> <li>• Capital</li> </ul> <p>The UGC approves budget of the University through Annual Allocation, a copy of Annual Allocation is enclosed as Annexure I for your kind reference.</p> <p>The University prepares its own budget and revised budget expenditure every year and gets approved from its Governing Bodies. The utilization of funds is made as per the approved budget and the utilization certificate is submitted to the UGC on quarterly basis during the financial year. All the expenses are incurred by following the guidelines prescribed in the sanction order incurred in the provisions of the Act/ Statute/ Order/ General Financial Rule/ Central Vigilance Commission/ other relevant Government rules and regulations.</p> <p>In addition to the grants received from the UGC, the University too generates some income out of its academic activities and other income incidental thereto. These internal revenue generation is also accounted for in the utilization certificate furnished to the UGC under recurring head.</p>

	<p>The whole funding of the University is completely governed by the Grants of UGC.</p> <p>Further UGC issued guidelines to follow on creation of Reserve / Corpus fund to the universities, and the University has been following the same.</p>				
<p><b>6.4.2</b></p> <p><b>Q<sub>n</sub>M</b></p>	<p><b>Funds / Grants received from government bodies during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)</b></p> <table border="1"> <thead> <tr> <th>Year</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td>Number</td> <td>5559 Lakhs</td> </tr> </tbody> </table>	Year	2020-21	Number	5559 Lakhs
Year	2020-21				
Number	5559 Lakhs				

<p><b>6.4.3</b></p> <p><b>Q<sub>n</sub>M</b></p>	<p><b>Funds / Grants received from non-government bodies, individuals, philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)</b></p> <table border="1"> <thead> <tr> <th>Year</th> <th>2020-21</th> </tr> </thead> <tbody> <tr> <td>Number</td> <td>NIL</td> </tr> </tbody> </table>	Year	2020-21	Number	NIL
Year	2020-21				
Number	NIL				
<p><b>6.4.4</b></p> <p><b>Q<sub>i</sub>M</b></p>	<p><b>Institution conducts internal and external financial audits regularly</b></p> <p>Internal Audit Office of the University conducts Internal Audit of the University regularly. The observations of the Audit are issued to the concerned Departments/ Officials for timely Compliances. In every periodic interval the position of the pending audit paras are reviewed by Standing Audit Committee. The instructions of the SAC are also forwarded to concerned officials for timely compliances.</p> <p>The status of the audit para along with the report of the SAC is placed before the Finance Committee for further instructions.</p> <p>External Audit is being conducted by Comptroller and Auditor General of India. As per the Sikkim University Act the annual accounts and balance-sheet of the University are prepared under the directions of the Executive Council and shall, once at least every year and at intervals of not more than fifteen months, be audited by the Comptroller and Auditor General of India or by such persons as he may authorize on his behalf. A copy of the annual accounts together with the audit report thereon is submitted to the Court and the Visitor along with the observations of the Executive Council. Any observations made by the Visitor on the annual accounts shall be brought to the notice of the Court and the observations of the Court,</p>				

	<p>if any , shall, after being considered by the Executive Council, be submitted to the Visitor. A copy of the annual accounts together with the audit report as submitted to the Visitor, shall also be submitted to the Central Government, which shall, as soon as may be, cause the same to be laid before both the houses of the Parliament. The audited annual accounts after having been laid before both the Houses of the Parliament shall be published in the Official Gazette. The Audit objections, if any, are duly complied for settlement during the course of the next audit.</p>
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### Key Indicator - 6.5 Internal Quality Assurance System

<b>Metric No.</b>	
<b>6.5.1</b>  <b>Q<sub>i</sub>M</b>	<p><b>Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures &amp; methodologies of operations and learning outcomes at periodic intervals</b></p> <p>In pursuit of the same IQAC performed the following activities:</p> <ul style="list-style-type: none"> <li>• Organised a one-day program on 19 October 2020 comprising of a special lecture ‘Exploring Possibilities for Improvement of Institutional Research Productivity’ by Prof. A.S. Chandel, Librarian, Sikkim University and (ii) A presentation by Representative of Clarivate (web of Science)</li> <li>• IQAC compiled and submitted the information for NIRF ranking 2021 (exercise completed in February 2021)</li> <li>• Preparations for second cycle of NAAC assessment have been initiated. In this regard, the AQAR and SSR related activities are in progress</li> </ul>
<b>6.5.2</b>  <b>Q<sub>n</sub>M</b>	<p><b>Institution has adopted the following for Quality assurance</b></p> <ol style="list-style-type: none"> <li>1. Academic Administrative Audit (AAA) and follow up action taken</li> <li>2. Conferences, Seminars, Workshops on quality conducted</li> <li>3. Collaborative quality initiatives with other institution(s)</li> <li>4. Orientation programme on quality issues for teachers and students</li> <li>5. Participation in NIRF</li> <li>6. Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)</li> </ol>

	<b>Options:</b> D. Any 1 of the above
<b>6.5.3</b>  <b>Q<sub>i</sub>M</b>	<b>Incremental improvements made for the preceding during the year with regard to quality (in case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)</b> <ul style="list-style-type: none"><li>• Identify the thrust areas for improving on the NAAC score</li><li>• Participate annually in the NIRF ranking.</li><li>• Prepare AQAR for the respective years.</li><li>• Prepare constituent portions of SSR next cycle.</li><li>• Organize seminar/ workshop for improving research outcome.</li></ul>

## Criterion VII - Institutional Values and Best Practices

### Key Indicator - 7.1 Institutional Values and Social Responsibilities

<b>Metri c No.</b>	
	<b>Gender Equity</b>
<b>7.1.1</b>	<b>Measures initiated by the Institution for the promotion of gender equity during the year 2020-2021</b>
<b>QIM</b>	<ol style="list-style-type: none"> <li>1. 30<sup>th</sup> Of June 2020: One day Webinar on 'Impact of COVID19 on Gender Equality' was jointly organized with University Grants commission (UGC).</li> <li>2. 8<sup>th</sup> March 2021: On International Women's Day, One day webinar on Women in Leadership: Achieving an equal future in a COVID 19 world was organized.</li> <li>3. 16<sup>th</sup> March, 2021: One day online Sensitization Programme for Staff and Students on 'Sexual Harassment at Higher Educational Institutions' was organized.</li> <li>4. Sikkim University has a Day Care Centre. For safety and security, women security guards are deployed in Girls' Hostel. University has a counselling centre, where both male and female students and staff can avail the counselling. In addition, the University Health Centre also provide counselling to female students as well as complainant during the process of investigation by ICC. the Every girls hostel has common space either separate or attached with dining hall.</li> </ol>
	<b>Environmental Consciousness and Sustainability</b>

<p><b>7.1.2</b></p> <p><b>Q<sub>n</sub>M</b></p>	<p><b>The Institution has facilities for alternate sources of energy and energy conservation</b></p> <ol style="list-style-type: none"> <li>1. Solar energy</li> <li>2. Biogas plant</li> <li>3. Wheeling to the Grid</li> <li>4. Sensor-based energy conservation</li> <li>5. Use of LED bulbs/ power-efficient equipment</li> </ol> <p><b>Options:</b></p> <p><u>D. Any 1 of the above (the University has adopted power efficient equipments like LED Bulb in its existing Infrastructure/classrooms etc)</u></p> <p><b>Note:</b> No such facilities are available in existing rented building of the University. However, the provision of Sl No 1,2,3 and 4 are planned at Permanent campus, which will be taken up in Phase wise manner.</p>
<p><b>7.1.3</b></p> <p><b>Q<sub>i</sub>M</b></p>	<p><b>Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)</b></p> <p>Department of Chemistry has a practice of collecting and safe disposal of Laboratory wastes produced during the experiments performed by the students and the research scholars.</p> <p>Laboratory wastes are first segregated into the following categories</p> <p><b>Organic Waste</b></p> <p><b>Aqueous Waste or Inorganic Waste</b></p> <p><b>Acid Waste</b></p> <p><b>Solid Waste</b></p> <p>These wastes are then disposed in with the help of various agencies like <b>M/s West Bengal Waste Management Limited</b></p> <p>Municipality Board Sikkim Manipal Hospital</p> <p>for the safe disposal of the laboratory waste generated in the department.</p>



		1	Solid waste management	Solid waste of the department is disposed through the Municipality Board waste management system of the State
		2	Liquid waste management	Not Applicable
		3	Biomedical waste management	Biomedical wastes are sent to the incinerator installed at Sikkim Manipal Hospital for incineration. The University had a MoU with the said Hospital for biomedical waste disposal. Currently, the University is in process of renewing the MoU with the Hospital.
		4	E-waste management	Not applicable
		5	Waste recycling system	Not applicable
		6	Hazardous chemicals and radioactive waste management	Not Applicable
<b>7.1.4</b>	<b>Water conservation facilities available in the Institution:</b>			
<b>Q<sub>n</sub>M</b>	<ol style="list-style-type: none"> <li>1. Rainwater harvesting</li> <li>2. Bore well /Open well recharge</li> <li>3. Construction of tanks and bunds</li> <li>4. Waste water recycling</li> <li>5. Maintenance of water bodies and distribution system in the campus</li> </ol> <p><b>Options:</b></p> <p>E. None of the above</p> <p><b>Note:</b> No such facilities are available in existing rented building of the University. However, the provision of Sl No 1,2,3,4 and 5 are planned at Permanent campus, which will be taken up in Phase wise manner.</p>			
<b>7.1.5</b>	<b>Green campus initiatives include</b>			
<b>Q<sub>n</sub>M</b>	<p>7.1.5.1. The institutional initiatives for greening the campus are as follows:</p> <ol style="list-style-type: none"> <li>1. Restricted entry of automobiles</li> <li>2. Use of bicycles/ Battery-powered vehicles</li> </ol>			

	<p>3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping</p> <p><b>Options:</b> E. None of the above</p> <p><b>Note:</b> No such facilities are available in existing rented building of the University. However, the provision of Sl No 1,3,4 and 5 are planned at Permanent campus, which will be taken up in Phase wise manner.</p>
<p><b>7.1.6</b> <b>QnM</b></p>	<p><b>Quality audits on environment and energy are regularly undertaken by the institution</b></p> <p>7.1.6.1. The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following</p> <ol style="list-style-type: none"> <li>1. Green audit</li> <li>2. Energy audit</li> <li>3. Environment audit</li> <li>4. Clean and green campus recognitions/awards</li> <li>5. Beyond the campus environmental promotional activities</li> </ol> <p><b>Options:</b> E. None of the above</p> <p><b>Note:</b> No such facilities are available in existing rented building of the University. However, the provision of Sl No 1,2,3,4 and 5 are planned at Permanent campus, which will be taken up in Phase wise manner.</p>

<p><b>7.1.7</b></p> <p><b>Q<sub>n</sub>M</b></p>	<p><b>The Institution has a Divyangjan -friendly and barrier-free environment</b></p> <ol style="list-style-type: none"> <li>1. Ramps/lifts for easy access to classrooms and centres.</li> <li>2. <b>Divyangjan-friendly</b> washrooms</li> <li>3. Signage including tactile path lights, display boards and signposts</li> <li>4. Assistive technology and facilities for persons with Divyangjan access website, screen-reading software, mechanized equipment, etc.</li> <li>5. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.</li> </ol> <p><b>Options:</b></p> <p>E. None of the above</p> <p><b>Note:</b> No such facilities is available in existing rented building of the University. However, the provision of Sl No 1,2,3,4 and 5 are planned at Permanent campus, which will be taken up in Phase wise manner.</p>
<b>Inclusion and Situatedness</b>	
<p><b>7.1.8</b></p> <p><b>Q<sub>i</sub>M</b></p>	<p><b>Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).</b></p> <p>Sikkim is a home of diverse communities namely Nepali, Bhutia, Lepcha and people from the plains. Each of these communities have their own language and cultural habits. This diversity in terms of language, culture, religion is also very much present among students in Sikkim University. University provides a very congenial environment for this diversity / multiplicity to thrive and prosper. University's Music department is one place where inclusive environment can be easily seen during performances. Sikkim is known for celebration of religious and cultural</p>

	<p>festivals of various types in elaborate manner. People, irrespective of their religious / cultural belief, participates in huge numbers in such festivals.</p> <p>The peaceful nature of the people and respect for other religion / culture keeps the environment of the University peaceful and tolerant. Sikkim is considered as the most peaceful State in India.</p>
	<b>Human Values and Professional Ethics</b>
<b>7.1.9</b> <b>Q<sub>1</sub>M</b>	<p><b>Sensitization of students and employees of the Institution to constitutional obligations: values, rights, duties and responsibilities of citizens.</b></p> <p>The university takes appropriate measures to inculcate the values, rights, duties and responsibilities of citizens for all the stakeholders. These measures include Lectures/ Seminars/ Workshops organized by different departments/section/ cells on relevant topics by experts from different parts of the country/ abroad.</p> <p>University organizes the program on specific days for administering oaths and pledges such as on Vigilance Day/Week, Earth Day, National Science Day, National Technology Day, Unity Day and Constitution Day etc. in addition to celebration of Republic day and Independence Day.</p>
<b>7.1.10</b> <b>Q<sub>n</sub>M</b>	<p><b>The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard.</b></p> <ol style="list-style-type: none"> <li>1. The Code of Conduct is displayed on the website</li> <li>2. There is a committee to monitor adherence to the Code of Conduct</li> <li>3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff</li> </ol>

	<p>4. Annual awareness programmes on the Code of Conduct are organized</p> <p><b>Options:</b></p> <p>A. All of the above</p>
<p><b>7.1.11</b></p> <p><b>Q<sub>i</sub>M</b></p>	<p><b>Institution celebrates / organizes national and international commemorative days, events and festivals</b></p> <ol style="list-style-type: none"> <li>1. 15.08.2020 = 74<sup>th</sup> Independence Day Celebration</li> <li>2. 26.11.2020 = Constitution Day; Reading of Preamble</li> <li>3. 26.01.2021 = 72<sup>nd</sup> Republic Day Celebration</li> <li>4. 21.05.2021 = Anti-Terrorism Day; Online pledge</li> <li>5. 31.05.2021 = World No-Tobacco Day; Online pledge</li> </ol>

### Key Indicator - 7.2 Best Practices

Metric No.	
7.2.1  Q <sub>1</sub> M	<p><b>Describe one best practice successfully implemented by the Institution as per NAAC format provided in the Manual.</b></p> <p>There are many best practices in Sikkim University namely Micro Teaching, University Research Fund Award, University Publication Award, Mentoring of students, starting of student feedback process, Fellowship, freeship, half-freeship to selected students, participation of student in community services etc.</p> <p>Among them, Students' involvement in community service can be considered best because by way of which villagers shares their life experiences with the students and vice-versa. Students get a rare opportunity to record traditional knowledge/ experiences and way of life and happiness. Student help them about understanding the importance of hygiene in one's life.</p>

**Format for Presentation of Best Practices**

**(While submitting the Best Practices Institution should submit the practices in this format only)**

**1. Title of the Practice**

Effort towards institutional support for Financially Weak Students: Full Fellowship, Full Free-Ship and Half Free-Ship

**2. Objectives of the Practice**

To provide support to the students in their pursuit towards academic excellence

**3. The Context**

Students with an average family income of less than Rs. 60,000/- per annum and receiving no other financial assistance are eligible to apply for this scholarship.

**4. The Practice**

Accordingly, in 2021 – 21 Sikkim University awarded 54 no. of full fellowship @ Rs 3000/- per month to the students. Similarly, 42 full free-ship and 55 half free-ship were awarded for the needy students.

**5. Evidence of Success**

A total of 62.13% of applicants were able to secure one or the other type of scholarship.

**6. Problems Encountered and Resources Required**

N.A.

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**Key Indicator - 7.3 Institutional Distinctiveness**

<b>Metric No.</b>	
<b>7.3.1</b>  <b>Q<sub>i</sub>M</b>	<p><b>Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)</b></p> <p>University started three teaching departments in indigenous and endangered languages namely Lepcha, Bhutia and Limbu in 2016 and Ph.D programmes in 2021. Sikkim University, perhaps, is the only university in the world to have teaching programme in these languages from PG to Ph.D level.</p> <p>Further, Departments like Music, Botany, Microbiology, History, and Sociology are engaged in research in folk music, medicinal plants, food habits and preservation and protection of local / traditional knowledge.</p>



**Plan of action for the next academic year (200 words)**

**Following plan is proposed to be initiated/ implemented in the next academic year 2022-23:**

1. To speed up the development of permanent campus at Yangyang (South Sikkim).
2. Shifting of non-laboratory-based teaching departments to the permanent campus of the University at Yangyang.
3. Direct recruitment of permanent teaching faculty at different levels through rolling advertisement for the vacant positions.
4. Recruitment of non-teaching staff at different levels.
5. Strengthening of infrastructure in terms of ICT-enabled facilities, library acquisitions, laboratories etc.
6. Participation and improved performance in NIRF ranking 2021

Sd/-

Prof. Shanti Swarup Sharma

Director, IQAC

Sikkim University

Sd/-

Prof. Avinash Khare

Vice-Chancellor

Sikkim University

**Signature of the Coordinator, IQAC**

**Signature of the Chairperson, IQAC**

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**Abbreviations:**

CAS	-	Career Advancement Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self-Financing
SLET	-	State Level Eligibility Test
SET	-	State Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence

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