



# **Jawaharlal Nehru University,**

## **New Delhi**

**The Annual Quality Assurance Report (AQAR)  
of the Internal Quality Assurance Cell (IQAC)  
(1<sup>st</sup> July 2017 to 30<sup>th</sup> June 2018)**

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## **The Annual Quality Assurance Report (AQAR) of the IQAC** **(For Universities)**

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, July 1, 2017 to June 30, 2018)*

### **Part – A**

#### **Data of the Institution**

*(data may be captured from IIQA)*

#### **1. Name of the Institution:** Jawaharlal Nehru University

- Name of the Head of the institution: Prof. M. Jagadesh Kumar
- Designation: Vice Chancellor
- Does the institution function from own campus: Yes
- Phone no./ Alternate phone no.: 011-2670 4001
- Mobile no.: -
- Registered Email: vc@mail.jnu.ac.in
- Alternate Email: mamidala@mail.jnu.ac.in
- Address: R. No. 203, First Floor, Administrative Building, JNU
- City/Town: New Delhi
- State/UT: New Delhi
- Pin Code: 110 067

#### **2. Institutional status:**

- University: State/Central/Deemed/Private (Tick appropriate): Central University
- Type of Institution: Co-education / Men / Women: Co-education
- Location: Rural/Semi-urban/Urban: Urban
- Financial Status: Centrally funded / state funded / Private (please specify): Centrally funded
- Name of the IQAC Co-ordinator/Director: Prof. Arun Sidram Kharat
- Phone no. / Alternate phone no.: 011-2670 4034
- Mobile: -
- IQAC e-mail address: director\_iqac@mail.jnu.ac.in

- Alternate Email address: -

### 3. Website address:

Web-link of the AQAR: (Previous Academic Year): [https://jnu.ac.in/iqac\\_reports](https://jnu.ac.in/iqac_reports)

For ex. <http://www.chanakyauniv.edu.in/AQAR2015-16.doc>

### 4. Whether Academic Calendar prepared during the year? Yes/No: Yes

if yes, whether it is uploaded in the Institutional website: Yes

Weblink: <https://www.jnu.ac.in/content/academic-calendar>

### 5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1 <sup>st</sup>	A	3.91	2012	July 04, 2017
2 <sup>nd</sup>	A++	3.77	October, 2017	from: 30.10.2017 to: 29.10.2022
3 <sup>rd</sup>				from: to:
4 <sup>th</sup>				from: to:
5 <sup>th</sup>				from: to:

### 6. Date of Establishment of IQAC: DD/MM/YYYY: January, 2012

### 7. Internal Quality Assurance System

7.1 Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & duration	Number of participants / beneficiaries
Received the letter from UGC dated 20.08.18 regarding sub-standard or predatory journals.	Aug. 2018	Collected feedback from school/centres and reply sent to UGC on time.
During the period IQAC has screened various applications for around 225 for direct recruitments and 52 for promotion under CAS.	2017-2018	225 applications for direct recruitment and 52 cases of CAS.
Collected data from school/centres and prepared the Annual Quality Assurance Report (AQAR) for the period from July 16 - June 17.	2017- 2018	AQAR submitted to NAAC on Dec.2018.
Responded to a large number of queries raised by applicants of direct recruitment or promotion under CAS.	2017-2018	Responded to all the queries.
Discussed Challenges faced in implementation of UGC Regulation.	2017-2018	Responded to all the queries.
NAAC team visited JNU during 9-11 October, 2017 for 2nd cycle of JNU's accreditation. JNU has been awarded the highest grade of A++. This is the second consecutive highest grade since the University	2017	

applied for NAAC accreditation in 2012.		
JNU ranked No.2 by NIRF 2018.		

**Note: Some Quality Assurance initiatives of the institution are:**

**(Indicative list)**

- Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback from all stakeholders collected, analysed and used for improvements
- Academic Administrative Audit (AAA) conducted and its follow up action
- Participation in NIRF
- ISO Certification
- NBA etc.
- Any other Quality Audit

**8. Provide the list of Special Status conferred by Central/State Government- Central Govt.**

UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
UGC Grants Graded Autonomy (Category-I) to JNU			2018	
JNU ranked #2 by NIRF 2018				

**9. Whether composition of IQAC as per latest NAAC guidelines: Yes/No: -**

\*upload latest notification of formation of IQAC

**10. No. of IQAC meetings held during the year: -**

The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website: Yes/No: -

(Please upload, minutes of meetings and action taken report)

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

Yes  No

If yes, mention the amount: \_\_\_\_\_ Year: \_\_\_\_\_

**12. Significant contributions made by IQAC during the current year (maximum five bullets)**

Please see point 7.1 above

**13. 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
1. To introduce a complete automated research degree evaluation procedure.	The JNUs Digital Tracking System (DTS), a fully automated in-house software is prepared. The software uses 20 step work flow assuring speedy evaluation by the external and internal referee for thesis / dissertation. The software also helps segregates task in three categories (a) Plagiarism check / similarity index qualified staff copy of the dissertation / thesis to be submitted alongwith the list of potential external examiners by the centre/school. (b) Choice of the evaluators from the provided list and obtaining the evaluation report alongwith recommendation within three months by certifying evaluators as an authorised / registered examiner of JNU DTS. (c) Forwarding the recommendations and detailed report to the centre/school to get the final result on the research for the degree as to M.Tech/M.Phil/Ph.D.
2. To adopt the UGC Gazette: (i) Issued on July 18, 2018 to maintain the "Minimum Qualifications for Appointment of Teachers and Other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education, 2018." (ii) Issued on July 23, 2018 (Promotion of Academic Integrity and Prevention of Plagiarism in Higher Educational Institutions).	The UGC Gazette were brought for the approval in Academic Council (AC) and Executive Council (EC). The University ordinances are being modified / amended according to these two UGC Gazette.
3. To expedite the promotion under CAS for teachers.	IQAC has screened 52 applications for promotion under CAS.

**14. Whether the AQAR was placed before statutory body? Yes /No: No**

Name of the statutory body: \_\_\_\_\_ Date of meeting(s): \_\_\_\_\_  
(It will be placed in the next meeting of Academic Council for approval).

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

**Yes/No: Yes**

Date: October, 2017

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

Year: 2018

Date of Submission: 16.03.2018

**17. Does the Institution have Management Information System?**

Yes

No

If yes, give a brief description and a list of modules currently operational.  
(Maximum 500 words)

University has implemented the following modules as eGovernance/MIS initiatives in a phased manner to meet the digitalisation and management information system requirements of the University:

**In-house Developed Softwares:**

- Student Life Cycle Management Software (Post Admissions, Semester Registration, Hostel Allocation, No Dues Clearance, Result Processing etc.) under **JNU EduERP initiatives**
- **Digital tracking** and Management Software
- Health Centre **Pharmacy Inventory** Management Software.
- **Research Project Management** Software.
- **UPE-II Online** projects submission.
- Helpdesk Management Software – **Implemented for CIS and Engineering Branch**
- Online Feedback Software – **Implemented for Security Section**
- Implemented Online Recruitment software for Teaching and Non Teaching Posts
- Health Centre **OPD Appointments**
- **Guesthouse** Management Software
- **House Allotment System**
- **Asset Management System** - (implementation is in process)

**Implementation of Software procured/arranged from NIC:**

- Implemented eOffice Suite in the University
- Implemented Salary Management Software – COM DDO Software
- Implemented Online Consumable Request Management - OCRMS Software.
- Implemented eProcurement System
- Implemented RTI-MIS

## Part-B

<b>CRITERION I – CURRICULAR ASPECTS</b>			
<b>1.1 Curriculum Design and Development</b>			
<b>1.1.1 Programmes for which syllabus revision was carried out during the Academic year</b>			
<b>School/Centre</b>	<b>Name of programme</b>	<b>Programme Code</b>	<b>Dates of revision</b>
CITD, SIS	MA (Eco) with specialization in world economy M.Phil (International Trade & Development) Ph.D. (Economics)	MA-EILM (202) M.Phil-ITDP (106) Ph.D.-ITDH (831)	The syllabus has been continuously discussed and revised by individual faculty members and placed in the centre committee meetings as and when required, typically at the end of a semester/academic year.
SLS	M.Sc., Ph.D.	M, P	Periodic revision/update is done by the concerned faculty in every semester. Major revision was done 2017-18, 18-19. Major revision was done as per new UGC guidelines in 2018.
SAA	M.Phil	04	Developed a new M.Phil. optional course: Classical Sanskrit Aesthetic and its Reinventions 22.07.2017.
CISLS, SSS	Ph.D., MA	ISLM, DLSM	-
SBT	M.Sc. Biotechnology	JB	Being continually revised every year
CCUS&LAS, SIS	United States Studies, Canadian Studies, Latin American Studies	USSP, CANP, LAMP	Syllabus revision is regularly carried out annually.
CHS, SSS	M.A, M.Phil		There is regular updating of syllabi in every semester when a course is offered through addition of readings and additions of new themes depending on the most recent academic trends.
CRS, SLL&CS	MA	RSNM	Nov.2017
CES, SLL&CS	MA English	ENGM	The academic content of all courses is revised and updated every time the course is offered. 18 MA courses were offered by the Centre during the academic year 2017-18. No MPhil courses were offered as the Admissions office of the University had fixed the intake of the Centre's MPhil/PhD and direct PhD programme in 2017-18 as zero.
CP, SSS	MA, M.Phil, Ph.D.	SPHM, SPH, SPH	-
CFFS, SLL&CS	BA, MA, M.phil, Ph.D.	-	-
SM&CH, SSS	M. Phil, MPH	CSMP, MPH	01.07.2017 & 01.12.2017

<b>1.1.2 Programmes / courses focussed on employability/ entrepreneurship/ skill development during the Academic year</b>				
<b>School/Centre</b>	<b>Programme with Code</b>	<b>Date of Introduction</b>	<b>Course with Code</b>	<b>Date of Introduction</b>
SCIS	Post Graduate diploma in Big Data Analytics	2017	PGDE	2017
CESP, SSS	All courses of MA & M.Phil.			
CCUS&LAS, SIS	All courses of the programmes of the centre prepare students for academics, Govt. Service, Journalism, Research Institutions and Think Tanks. All JRF students are part of the tutorial programmes of the courses undertaken with a view to develop skills for academic teaching and evaluation.			
<b>1.2 Academic Flexibility</b>				
<b>1.2.1 New programmes/courses introduced during the Academic year</b>				
<b>School/Centre</b>	<b>Programme/Course</b>	<b>Date of introduction</b>		
CIPOD, SIS	Arms Control and Disarmament (M.Phil)	Monsoon	Semester	2018
CITD, SIS	Students opt for optional courses in CESP, SSS of JNU in the second year of MA in Economics programme.			
SCIS	Post Graduate diploma in Big Data Analytics	2017		
SPS	M.Sc. Chemistry	July 2017		
SLS	<b>Ph.D.</b> LS637 Research Methodology <b>Ph.D. II Semester</b> LS-655 Research Methodology-Experiments, LS-656 Term Paper, Research Proposal & Seminar <b>M.Sc. IV Semester</b> LS576 Fungal Biology & Biotechnology, LS578 Nanobioscience, LS-579 Molecular Parasitology Infections Disease, LS 580 Research Design, Ethics and Scientific Publication	Monsoon	Semester	2018
				Winter Semester 2019
				Winter Semester 2019
SES	Agroecology and Sustainable Agriculture	25.10.2017		
SS&IS	SK-003C, 4C Computational Linguistics in Basics-I&II, SK-003Y, 4Y Introducing to Yoga Philosophy, Yoga for Every Day Life, SK0003V, 4V Foundation of Vedic Culture, Vedic Heritage, SK101, 102 Introduction to Sanskrit Language-I & II			
CISLS, SSS	CI601 Advance Research Methods in Social Sciences CI602 Themes in Development and Labour Studies	Winter semester		2018
CES, SLL&CS	MA English Course ES501E:Dissertation	To be offered		
CGS, SLL&CS	Folklore, Newspaper Analysis	Monsoon	Semester	2018
CJS, SLL&CS	JP209 Advanced Japanese Speaking Writing -1  JP527: Nihonjjo -0 (Japanese Culture & Current Affairs-I) JP 210: Advanced Japanese Speaking and Writing –II JP 528 Nihonjjo-2 (Japanese Culture & Current Affairs-II)	Monsoon	Semester	2018
				Winter Semester 2018

**1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.**

Name of Programmes adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
Already adopted (mention the year)					
	SCIS – Already adopted 2006				
	CIPOD, SIS – Centre has M.Phil/Ph.D. courses and one optional course for BA				
MA Sanskrit	SS&IS- MA Sanskrit				
DLSM MA	CISLS, SSS- for PG				
	CCUS&LAS, SIS-Since the programme began in 1972.				
MA	CHS, SSS – For MA				
PG	CES, SLL&CS- All courses in MA English have been elective for several years. Students are also allowed to opt for 25 percent of their credits from other Centres.				

**1.3 Curriculum Enrichment**

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

School/Centre	Value added courses	Date of introduction	Number of students enrolled
CITD, SIS	Students often register for courses in R, Python, MATLAB etc. in other schools of the university.		
SCIS	R. Matlab through Mathematical and Computational Empowerment Cell	2015	20
SLS	The course curriculum in the school is primarily aimed at exposing the students towards the expanding knowledge in various domains of biology. Accordingly the course curriculum is designed towards the development of research skill.		
SS&IS	SK-003C, 4C Computational Linguistics in Basics-I&II, SK-003Y, 4Y Introducing to Yoga Philosophy, Yoga for Every Day Life, SK0003V, 4V Foundation of Vedic Culture, Vedic Heritage, SK101, 102 Introduction to Sanskrit Language-I & II		
CISLS, SSS	Ph.D. 2 courses CI601 Advance Research Methods in Social Sciences CI602 Themes in Development and Labour Studies	2018 winter  To be offered	06  -

**1.3.2 Field Projects / Internships under taken during the year**

School/Centre	Project/Programme Title	No. of students enrolled for Field Projects / Internships
CITD, SIS	Some students opt for internships during summer and winter breaks, but these are not a part of the structured curriculum.	

SCIS	Scientific winter school at Heidelberg University, Germany from 29.01.18	04
SPS	Summer Project	11
SLS	In house dissertation done by the M.Sc students (8 credits, two semester)	
SES	M.Sc. Field trip to Dehradun	21
SS&IS	Jha G.N., Machine Translation Evaluation Platform (MTEP), Innovation Grant from UPE-II, JNU	
CISLS, SSS	UPE-II, Dr. Kali Chitti Babu Dr. Minaketan Behera	01 -
SBT	Upgradation of BSL-3, for studying dangerous pathogens with special references to Bacillus anthracis as well as to provide BSL-3 Facility to NER institutions and training of researchers of this region	
	Operation and Maintenance of P3 Facility (BSL3) for studying dangerous pathogens with special reference to anthrax causing pathogens Bacillus anthracis.	
	Design and Evaluation of Inhibitors Abrogating Surface Bound Mycobacterium tuberculosis $\alpha$ -Enolase Interaction with Extracellular Matrix Proteins for Tuberculosis Control	
	Role of multifunctional plasminogen binding glyceraldehyde 3 phosphate dehydrogenase of bacillus anthracis;	
	Development of recombinant Omp25 based vaccine against Brucellosis for Human	
	Development of nanoparticulate antitubercular drug delivery system for macrophages receptor specific targeting through oral and respiratory route phase study	
	Study of in-depth genetic heterogeneity with respect to resistome and compensatory adaption of MDR Mtb clinical strains inside BM-Mesenchymal stem cells circulating in the North-East Region	
	Marine Synthetic Biology: Building National Capacity and Human Resource,	
	The Role of Endoplasmic Reticulum Stress in the pathogenesis of Caerulein Acute Pancreatitis in Mice and the Effect of Chemicals Chaperones on the Severity of Acute Pancreatitis	
	From molecules to systems: Exploring biological space using chemical and synthetic biology, An inter-School Project involving faculty members of five Science Schools in JNU	
	Multi Institutional research project DBT Virtual Enzyme Centre-Development of enzyme formulations for treatment of ligno-cellulosic biomass	
	RICEFUEL: Engineering enzymes, bacteria and bioconversion processes for advanced biofuels from waste grain straw	
	Designing next generation platforms for recombinant protein production by genome engineering of E.coli	
	First molecular characterization of the intraflagellar transport (IFT) interactome of a flagellated fungus.	
	Development of optogenetic tools for deciphering the role of cGMP in ciliogenesis, maintenance of the cilium and its importance in the ciliopathies.	
	Cellular localization and functional characterization of the Voltage-gated Ca <sup>2+</sup> - channel VGCC and enzyme-rhodopsin COP5 in the microalga Chlamydomonas reinhardtii using genome editing, biochemical and transcriptomics approaches.	
	Decipher mechanistic basis of the intracellular trafficking of the optically active nanoparticles using super resolution microscopy.	
	First molecular characterization of the intraflagellar transport (IFT) interactome of a flagellated fungus	

	Development of Single-cell derived clonal spheroids as a tool for drug discovery in cancer research.	
	Stability and folding mechanism of alpha amylase	
	Functional analysis of UDP-N-acetyl Glucosamine 2-epimerase/ N-acetyl Mannosamine kinase (GNE) in cytoskeletal organization"	
	A fresh look at sigma 70 promoter of Escherichia coli	
	Functional analysis of recombinant GNE-Key sialic acid biosynthetic enzyme	
	Genotype-phenotype relationship in rare genetic disorders: Physicochemical analysis of mutations in GNE myopathy and phenotypic modulation by small molecule effectors	
	Effect of manipulating sialic acid levels on cell adhesion process	
	DST Inspire Research Grant	
	Metabolic engineering for production of terpenoids in tobacco plants,	
	High throughput virtual screening of natural compound libraries and biochemical assessment of the identified novel inhibitors for checking Alzheimer plaque pathology	
	INSA Research Grant	
	Drug repurposing hyperlayer: Scalable multiparadigm omics enabled drug repositioning workbench	
	New promising approaches for synergistic blocking of anthrax toxins at Protective Antigen interacting domains of the Lethal Factor and the Edema Factor.	
	Whole genome transcriptomic analysis to identify key genes regulating sugar accumulation in sweet sorghum, Science & Engineering Research Board	
	Engineering drought tolerance for increased sugar accumulation in potential biofuel crop, sweet sorghum	
	Bio-engineered Mesoporous Dialysis Nano-beads For Specific Removal of Excess Body Toxins, Water and Ions from Kidney Failure Patients	
	Helicobacter pylori Infection Modulates Mycobacterium tuberculosis Pathogenesis: A Role of Tailored Immune Response	
	Development of Single-cell derived clonal spheroids as a tool for drug discovery in cancer research.	
	Develop a receptor blocking malaria vaccine against Plasmodium falciparum based on a novel combination of three blood stage antigens;	
	Structure-Function analysis of a major adhesion complex (PfRH5/Ripr/CyRPA) essential for P. falciparum erythrocyte invasion	
	Development of novel lipid and polymer based nano-formulations for targeted delivery of antimalarial drugs	
	Design, optimization and intensification of a bioprocess for converting natural gas into liquid fuels (Bio-GTL)	
	Studies on the folding and stability of an alternatively spliced form of APC/C co-activator Fzr1	
	Investigations on differential expression of ubiquitin proteasome pathway genes during stage conversion in Entamoeba species	
	A study on host cellular nucleolin and virus nucleoprotein interplay in influenza A virus infection	
	Microfluidics embedded nano structured MEA- A tool to study prognostic multi-biomarker signatures in prostate cancer	
	Development of novel lipid and polymer based nano formulations for targeted delivery of antimalarial drugs	
	Development of Single-cell derived clonal spheroids as a tool for drug discovery in cancer research	
	Bio-engineered Mesoporous Dialysis Nano-beads For Specific Removal	

	of Excess Body Toxins, Water and Ions from Kidney Failure Patients	
	Study of gut microbiota and their potential role in inflammation during suppressive antiretroviral therapy in perinatally HIV-infected children	
	To study the Role of H. pylori Driven Inflammatory Responses in the Setting of HIV Infection	
	Inspire Research Grant	
CCUS& LAS, SIS	Exchange Student: University of Zurich, Switzerland (Sep.17-Jan. 18) University of Bern, Switzerland (Feb. 18-June 18) Fulbright Nehru Doctoral Research Fellow (23.07.17-20.05.18)	01  01
CSSE&I P, SSS	As part of Research Methodology (4 credits) course students visited the field and submitted their assignment.	16
CHS, SSS	Prof.R Mahalakshmi took M.a 1 semester student for a field visit to National Agricultural Science Museum, Pusa Road Delhi as part of the Ancient Society Course on 20 September 2017	65
	Prof. Janaki Nair took MA Student for a field visit to Nizamuddin delhi as a part of her course the "The Modern city " Steps of Accumulation planning and citizen on 1 february 2018	25
CFFS, SLL&CS	Lok Sabha Internship	06

#### 1.4 Feedback System

##### 1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5) Parents
Yes	Yes	Yes/ No	Yes/ No	Yes/ No
<p><b>CITD, SIS</b>–Yes. Feedback on individual courses and teachers is regularly obtained by the respective course in charge at the end of every semester. Feedback is also obtained from students as part of the discussion in the student-faculty committee (SFC) meetings.</p> <p><b>CCSAS, SLL&amp;CS</b>-Yes</p> <p><b>SCIS</b> – Yes</p> <p><b>SLS</b>-Done through student-faculty interaction in every semester (twice)</p> <p><b>SBT</b>-Yes.</p> <p><b>CHS, SSS</b>-Yes</p> <p><b>CESP, SSS</b> – Yes.</p> <p><b>CES, SLL&amp;CS</b>-Yes</p> <p><b>SM&amp;CH, SSS</b>- Yes.</p> <p><b>CSSP, SSS</b>-Yes. Through SFC</p>	<p><b>CITD, SIS</b>-Yes. Feedback is regularly received from the Research Advisory Committees (RAC) whose meetings are held for research students in every semester.</p> <p><b>SCIS</b>-Yes.</p> <p><b>SBT</b>-Yes.</p> <p><b>CES, SLL&amp;CS</b>- Yes</p> <p><b>SM&amp;CH, SSS</b>-Yes</p> <p><b>CSSS, SSS</b>- Yes. Regular Faculty Meeting</p>			
<p><b>SCSNEI</b> – Regarding the teaching learning process pertaining to the existing M.Phil. And BA optional courses that were offered during the Academic Year 17-18, similar to the best practices of JNU, the courses were offered through classroom lectures, discussions, teaching-student contact hours, class presentations, tutorials and mid term and end term evaluations. Such methods of teaching-learning ensured that feedback on the courses were continuous and built into the nature of the pedagogy followed.</p>				

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

**CITD, SIS-** The individual course feedback is received by the respective faculty members and individual faculty members incorporate it in the designing/revision of courses, teaching methods and evaluation/grading. General feedback from the SFC is discussed in the centre committee meetings and responded to. Research feedback from the RACs is followed up by the students and the respective supervisors.

**CCSAS, SLL&CS-** It is at individual levels. For example Prof. B.R. Deepak has been doing the students evaluation of teacher on regular basis, some of the inputs from the students such as giving an outline of the course in the beginning of the semester, usage of ICT in the class etc.

**SCIS-** Feedback and syllabi were discussed at the student-faculty committee (SFC) and also subsequently in the faculty meeting and further special committee. The shortcomings and improvement to add rigour to the conduct of the courses were considered. Some reorganization of core and elective courses was performed. Many lectures, workshops, symposiums and other academic interaction were held to provide enough exposure to students in general about latest developments. Further the individual computer system were updated or replaced with new ones. Centralised high performance computing systems got installed to cater to the need of the students as well.

**SPS** – Under implementation.

**SLS** – The feedback received from the students is discussed in the faculty meeting and necessary measures are taken to ensure the student concern, if any.

**SCSNEI** – The feedback structure allows focusing on new and interesting aspects that can be covered under the syllabus, adding to the reading lists, accommodating contemporary research developments in concerned fields of research as well as discussing with students on possibilities of furthering the research in the areas that the courses being offered covers.

**SS&IS** – We have SFC a statutory body to listen to the problems of students, for teacher faculty committee or teacher union are such bodies where a faculty can give this feedback.

**SBT** – Feedback was utilised to modify the contents of the course, changes in delivery mode, and changes is sharing of contents with overall aim of improving the learning outcome of the students.

**CESP** – Feedback obtained is discussed in the faculty meeting. Subsequently the faculty members take note of the feedback and suggestions are incorporated and utilized for overall development of the centre.

**CHS, SSS-** Students have been asked to fill in feedback forms anonymously pertaining to readings, lectures, tutorial topics, use of power points etc. in questionnaires administered during the end of term exams. Their feedback is used by teachers to carry out modifications of syllabi to suggest alternative readings, alter teaching practices where necessary, develop more accessible topics for tutorials and examinations and to prepare other teaching aids, using power point where necessary.

**CES, SLL&CS-** Feedback from students on individual courses is obtained by instructors through class discussions at various stages of the course. These are incorporated into the revision and redesigning of the course in subsequent years. Discussions in the Student Faculty Committee also gives valuable feedback on the academic content and structure of the courses. These are subsequently discussed in faculty meetings. Alumni stay in close touch with the activities of the Centre. CES has a closed group on Facebookw which comprises present and past students and faculty as well as visiting faculty. This has served as a vibrant and useful platform for the exchange of ideas and information. This is an important source of feedback for the Centre's activities.

**CGS, SLL&CS** – At the end of each semester, feedback is sought from students formally, where they respond to questions regarding teaching methods, course contents, variety and depth of readings etc. These are considered every time the course is taught thereafter.

**SM&CH, SSS-** Based on interaction we modify the pedagogy and transaction of reading materials.

**CSSP, SSS** – Through SFC the centre obtained the feedbacks and suggestions on academic and infrastructure matters. In view of these suggestions, necessary changes are made in the curriculum and special lectures are organised on emerging issues. The concerned authority is approached for improvement of the facilities.

<b>CRITERION II -TEACHING-LEARNING AND EVALUATION</b>						
<b>2.1 Student Enrolment and Profile</b>						
<b>2.1.1 Demand Ratio during the year</b>						
<b>School/Centre</b>	<b>Name of the Programme</b>	<b>Number of seats available</b>	<b>Number of applications received</b>	<b>Students Enrolled</b>		
CIPOD, SIS	DAD, POG	03, 03				
CCSAS, SLL&CS	BA, MA, M.Phil.	35, 06, 06		44, 06, 03		
SCIS	M.Sc., Ph.D., PGDE	18, 18, 18	50, 32, 13	16, 09, 06		
SPS	M.Sc. Physics, M.Sc. Chemistry, Pre-Ph.D. Physics, Pre-Ph.D. Chemistry, Pre-Ph.D. Mathematics	32, 07, 10, 09, 03	-, -, 120, 63,45	52, 04, 02, 03,01		
SLS	M.Sc., Ph.D.	38, 39		30, 23		
SCNS	NNSH-05, NNSJ-08	13	01	-		
SES	M.Sc., M.Phil., Ph.D.	31, 22, 24	-	27, 14, 16		
CISLS, SSS	MA, Ph.D.	40, 12	792, 49	47, 06		
SBT	M.Sc. Biotechnology	31	-	11		
CESP, SSS	MA, M.Phil./Ph.D., Direct Ph.D	77, 31, 10	-	54, 11, 04		
CCUS&LAS, SIS	M.Phil.	01	08	01		
CES, SIS	M.Phil, Ph.D.	11, 06	230, 14	11, 01		
CL, SLL&CS	M.A. Linguistics 1 <sup>st</sup> Semester	31		27		
CSSE&IP, SSS	M.Phil	20	-	17		
CHS, SSS	MA, M.Phil., Ph.D.	84, 0, 0	-	84, 0, 0		
CRS, SLL&CS	M.Phil/Ph.D., MA, BA	11, 08, 08+54	-	46		
CES, SLL&CS	MA, M. Phil	32	2474	34		
CP, SSS	MA, M.Phil, Ph.D.	50, 14, 12	683, 147, 22	51, 13, 0		
CFFS, SLL&CS	BA (Hons.), MA, M.Phil/Ph.D.	38, 15, 15	3500, 85, 45	38, 15, 10		
CSSP, SSS	M.Phil, Ph.D.	01, 04	49	01		
			19	03		
<b>2.2 Catering to Student Diversity</b>						
<b>2.2.1. Student - Full time teacher ratio (current year data)</b>						
Year	School/ Centre	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
<b>2017-18</b>	<b>JNU Institution</b>	<b>1053 (UG) 144 (Part time)</b>	<b>2291 (PG) 4594 (Research)</b>			<b>608</b>
2017-18	CITD, SIS	40	33	0	11	11
	CCSAS, SLL&CS	124	35	10	10	10

	CILS, SIS	26			03	03
	SPS	-	56	-	29	29
	SLS	-	54	-	32	32
	SCNS	-	12	05	05	05
	SCSNEI	-	-	-	05	05
	SES	-	27	-	23	08
	SS&IS	-	80	11	11	-
	CISLS, SSS	-	91	-	07	07
	SBT	-	11	19	19	19
	CESP, SSS	-	MA-110, M.Phil & Ph.D.-134	-	19	-
	CCUS&LAS, SIS	-	53	-	05	-
	CL, SLL&CS	-	55	-	08	08
	CHS, SSS	-	166	-	27	27
	CRS, SLL&CS	123	46	03	04	05
	CES, SLL&CS	-	72	-	10	-
	CPS, SSS	-	85	-	20	20
	CGS, SLL&CS	105	49	13	13	13
	CP, SSS	-	-	-	08	-
	CJS, SLL&CS	97	44	07	07	07
	CMS, SSS	-	-	-	03	03
	CFFS, SLL&CS	100	63	13	13	13

## 2.3 Teaching - Learning Process

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

School/ Centre	Number of teachers on roll	Number of teachers using ICT (LMS, e-Resources)	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
Communication and Information Services, JNU	608	29	MOODLE- implemented in JNU	06 (Vedio Conferencing facility established)	06 (Vedio Conferencing facility established)	Open sources and customisation
CITD, SIS	10 + 1 (Professor Emeritus)	All			02	Online papers, data, software, power-point slides
CCSAS, SLL&CS	10	10		04		Internet
CSLG	11	All	All	All	None	All
SCIS	15	15	Projector, Computer, Internet	03	01	Internet, CD
CILS, SIS	04	02	PPTs			Use of web based libraries
SLS		All	All	All		PubMed & Projectors
SCSNEI	05	05	Laptop, overhead projector,	01	-	Online journals, reports, topic/theme/subjec

			powerpoint with audio video facility.			t based documentaries, power point with audio video facility, e-library resources provided by the central library of JNU.
SS&IS	11	01	<a href="https://sanskrit.jnu.ac.in">https://sanskrit.jnu.ac.in</a>	02	02	<a href="https://sanskrit.jnu.ac.in">https://sanskrit.jnu.ac.in</a>
CISLS, SSS	07	07	yes	02	02	Yes
SBT	19	19	Projectors CIF	02 01	02	
CESP, SSS	20	20	yes	03	-	Yes
CCUS&LAS, SIS	05	05	PPTs use of documentaries and films		01	Use of web based libraries and data sets.
CES, SIS	07	07	Yes	01	-	Yes
CHS, SSS	27	-	06	-	06	-
CES, SLL&CS	10	10	LCD Projectors	01	0	e-journals and books; power point and other projection and audiovisual tools. Film screenings.
CJS, SLL&CS		02			01	
CMS, SSS	-	-	-	03	03	
CMS, SSS	03	03	LCD, Internet	01	nil	Youtube DVD/online browsing
CFFS, SLL&CS	13	all	all	all	03	ICT tools & e-resources
CSSP, SSS	04	04	Computers connected with projectors.	02	02	Use of e-journals and online databases.

**2.3.2 Students mentoring system available in the institution? Give details. (maximum 500 words)**

**CITD, SIS** – MA students regularly contact faculty members for discussion on matters outside of the class. MA students also prepare term papers and make presentation on papers to the respective faculty. Research students are closely supervised, encouraged to apply for participation in conferences/workshops/symposia inside and outside JNU, and participate in the weekly seminar series of CITD. Students are encouraged to opt for internships in other institutions, think-tanks, research organisations and governmental ministries during summer and winter breaks. Students are also encouraged to apply for training courses in specialised software, tools and techniques run by other schools of JNU and outside. An active remedial programme, supported by UGC is run in the centre with the help of advanced PhD students.

**SCSNEI** – Centre has developed various institutional mechanisms through which students and researchers are regularly mentored and supervised. Lectures, seminars, tutorials and contact hours are some of the regular academic engagements through which students and researchers are exposed and introduced to a range of interdisciplinary approaches. Through these regular academic

engagements, students and researchers are trained to undertake critical research on North East India and its neighbouring areas.

**CESP, SSS** – MA students are allotted faculty advisor for two years who look after student's performance throughout the course. M.Phil and Ph.D. students are assigned supervisors and research advisory committee to look after students progress in the programme.

**CCUS&LAS, SIS** – Remedial courses are offered by the schools/centres to improve the learning of students from the centre. Tutoring and mentoring are done on an individual basis by supervisors and faculty of the centre for academic purposes. Quality improvement strategy for teaching includes use of computer based teaching e.g. PPTs and use of documentaries and films in addition to regular lectures/seminars /conferences. Students are asked to present papers for the courses and also in seminars to build and further enhance their capacity.

**CHS, SSS**— At the PG level every student is assigned an advisor and on an average every teacher is assigned four PG student. Student can meet the advisor during the assigned contact hours and in case of emergency they can be contacted anytime. At the research level supervisor is the assigned mentor. The role of advisor supervisor extends academic matters to include attention to personal crises such as a situation arises.

**CES, SLL&CS**- The Student Faculty Committee initiated a system this year by which senior PhD students worked in close cooperation with faculty members in the mentoring of entrants into the Centre's programmes. There is regular interaction between faculty and students at an individual level and an atmosphere of warm cooperation and consultation.

**CP, SSS**– Supervisors provide guidance to their post graduate and research students. Since Philosophy is mainly a theoretical discipline mentorship and guidance is provided in terms of discussion only.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
<b>8082</b>	<b>608</b>	
CITD, SIS-40 in MA Eco. and 33 in M.Phil/Ph.D. Programme	10	7.3
CCSAS, SLL&CS- 213	12	1:18
SCIS-34	15	1:2
CILS, SIS – 26	03	1:26
SPS-61	29	0.5:1
SLS-M.Sc.-30, Ph.D.-23	32	-
SCNS-12	05	2.4
SCSNEI-21	05	4.2
SES-179	23	1:7.78
SS&IS	11	-
CISLS, SSS-MA-91, Ph.D.-26	07, 07	- , 26/7
CESP, SSS – 244	19	-
CCUS&LAS, SIS-53	05	5:10.6
CES, SIS-59	07	7:59
CL, SLL&CS-120	08	1:15
CSSE&IP, SSS-60	03	20
CHS, SSS-442	27	16.37
CRS, SLL&CS-214	14	16:1
CES, SLL&CS-198	10	19.8:1
CPS, SSS-314	20	-
CP, SSS-MA-49, M.Phil-11, Ph.D-34	08	1:6.5 – MA 1:37 – M.Phil 1:4.25 - Ph.D.
CMS, SSS	03	-

CFFS, SLL&CS-215	13	13:215
CSSP, SSS-48	04	1:2

## 2.4 Teacher Profile and Quality

### 2.4.1 Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
894	579	315	02	533

### 2.4.2 Honours and recognitions received by teachers

(received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year): **Please also see Annexure 4**

School/centre	Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
CIPOD, SIS	2017	CSR Murthy	Prof.	UGC Expert Committee to the Jindal Global University Member, Editorial Board, International and Area Studies Journal Member, Governing Body, Ramanuja College, Delhi University Member, Advisory Committee of Europe Area Studies Programme, SIS, JNU.
		Jayati Srivastava	Prof.	Coordinator and Member (South Asia) of sub-committee-II of the ISA Task Force on the Global South Members set up by the International Studies Association (ISA).
CCSAS, SLL&CS	2017	B.R. Deepak	Prof.	The Award for Special Contribution in Confucian Classics Translation @by International Confucian Association, China.
		Sabaree Mitra	Prof.	Awarded the 11 <sup>th</sup> Special Book Award of China in Aug.2017 by the State Administration of Press, Publication, Radio, Film and Television of Peoples Republic of China for contributions in introducing translating and publishing books on Chinese Culture and for promoting cultural exchanges.
CSLG	2017-18	Amita Singh	Prof.	AAF-DFAT-AWARD, Monash University Fellowship.
		Pratiksha Baxi	Prof.	Travel Award for the International Research Collaboration (IRC 16) entitled Visual Cultures of Law for the Law and Society Association in Mexico. Research fellowship at the Kate Hamburger Kolleg "RechtalsKultur" in Bonn Germany.
SCIS	2017	Arnab Bhattacharjee	Asstt. Prof.	Incentive Awards for Publications– 2017 by DBT, India.
		Mukesh Jain	Assot. Prof.	India Research Excellence- Citation Young Achiever Award 2017 across all disciplines from Clarivate Analytics.
		Sapna Ratan Shah	Assot. Prof.	Outstanding Scientist award in Applied

		Rita Sharma	Asstt. Prof.	Mathematics- 2017 by Venus International Research Awards foundation, Chennai, (VIRA), 2017. Best Researcher Award 2018, Academic Brilliance Awards, New Delhi, (ABA) 2018. Best Young Researcher Award 2018, by GRABS foundation, Chennai, 2018.  Awarded overseas fellowship to work as GETin Fellow at UC Berkley and LBNL for a year through DBT and Indo-US Science & Technology Forum (IUSSTF).
CILS, SIS	2017	Prof. Bharat H. Desai	Prof.	Justice Kuldeep Singh National Award
SPS	2017-18	Brijesh Kumar  Poonam Mehta	Assot. Prof.  Asstt. Prof.	Regular Associate of the Abdus Salam International Centre for Theoretical Physics (ICTP), Trieste, Italy for the period Janu 2017 to Dec.2022.  "Bharat Vikas Award" from the Institute of Self Relinance, Bhubaneswar 2017.
SLS	2017-18	Prof. Ashwani Pareek  Prof. S. Chakraborty  Prf. Deepak Sharma	Prof.  Prof.  Prof.	Visitor Award 2018 from the President of India for best technology for "stress tolerant rice of the next generation (strong)"  Elected Fellow of the National Academy of Agricultural Sciences, New Delhi-17.  Elected Fellow of the National Academy of Sciences.
SES		Prof. Dinesh Mohan  Prof. I.S. Thakur  Prof. AL Ramanathan  Prof. N. J. Raju	Prof.  Prof.  Prof.  Prof.	Highly cited researchers' list published by Clarivate Analytics (formerly Thomson Reuters) for the FOURTH consecutive year. Elected Fellow of Royal Society of Chemistry (FRSC), London. Adjunct Professor, Chemistry Department, Mississippi State University, Mississippi State, USA. Adjunct Professor, International Centre for Applied Climate Science, University of Southern Queensland, Australia. Awarded the USQ 2017 Research Giant by University of Southern Queensland, Australia.  Visiting Scientist, University of Calgary. Visiting Scientist, Swiss Federal Institute of Technology Lausanne (EPFL), Lausanne, Switzerland, November, 2017. Fellow National Academy of Agricultural Sciences. Fellow International Bioprocessing Association.  Nominated as a member of Non coal mine sanction committee and EIA violation committee in MOEF and CC from 2017 onwards. Editor in Chief: Journal of Climate change. Nominated as Chair, Volunteer Program in 36th International Geological Congress, Delhi, India organised by Ministry of mines and Ministry of earth sciences. INSA Best Teacher Award (2017-18). Editor: Indian Journal Marine Sciences, NISCAIR, CSIR.  Expert member of Board of Studies of the

		Prof. AP Dimiri	Prof.	Department of Environmental Studies, GITAM University, Visakhapatnam for a period of three years (March. 2018- Feb. 2021). Expert member of Board of Studies of the Department of Geology, Mizoram University, Mizoram for a period of three years (Sep. 2016- Aug. 2019).
		Prof. Paulraj R	Prof.	National Convenor-IGC2020. Earth Observation System – Climate Variables, Proxies and Modeling. Member: Commission K: International Union of Radio Science (URSI).
SS&IS	2018	Satyamurti & quot;	Assot. Prof.	ICCR Conferred “Utthan Natraj Samman 2018” for contribution in the field of education by Utthan Samiti, Delhi on March 10, 2018.
		Satyamurti & quot;	Assot. Prof.	Empanelled for ICCR chairs abroad for Sanskrit Language & Literature by Indian Council for Cultural Relations, New Delhi.
		Jha, G.N.,	Prof.	Received the "Datta Peetha Aasthaana Vidvana" award for Sanskrit linguistics at The Shri Ganapati Sachchidananda Ashram Mysore on 26th May 2017.
		Rao, C. Upendar	Prof.	Received the “Certificate for Dr. S. Radhakrishnan education excellence award” from Indian institute of oriental heritage (an international institute of oriental Studies and research) Kolkata on 5th February (Monday) 2018 in New Delhi. Indian institute of oriental heritage (an international institute of oriental Studies and research) Kolkata.
		Jha, Ram Nath	Prof.	“Vidyasagara” by Mandakini Vidvat Parishad, Delhi for the contribution to Sanskrit Shastra on 28.01.2018 at Gurukula, Gautam Nagar, New Delhi.
SAA	2017-2018	Bhaskar, Ira	Professor	Received an Erasmus Grant as Visiting Professor to travel to Vilnius University, on an Academic Exchange programme Lithuania.
		Ahuja, Naman	Professor	5 invited lectures on Satavahana art at SOAS, University of London
		Sarkar Munsu Urmimala	Associate Professor	Visiting Faculty at Beijing Dance Academy, China.
		Prakash, Brahma	Assistant Professor	6 Invited Lectures on “Living Traditions”, in the National School of Drama, New Delh.
		Prakash, Brahma	Assistant Professor	“Theatre and Performance Studies”, at the Department of Dramatics Arts, Mahatma Gandhi Antarshtriy Hindi Viswavidalya, Wardha, Maharashtra.
		Ahuja, Naman	Professor	Fellowship, Getty Research Institute, Los Angeles
		Ahuja, Naman	Professor	4 invited lectures on the art of Gandhara, India International Centre.

SBT	2017-18	Bhatnagar R.  Gaur D.  Sharma M.K.  Kateriya S.  Arya R.	Prof.	appointed as VC for Banaras Hindu University (BHU) on 28.3.2018 J.C. Bose National Fellow by Department of Science and Technology 2016 – 2021  2017 Shanti Swarup Bhatnagar Prize (Medical Sciences), CSIR, Government of India Elected Member, Guha Research Conference (GRC)  Ramalingaswami Re-entry Fellowship Bioenergy-Award for Cutting Edge Research (B-ACER), IUSSTF, 2017-2018  Innovative Young Biotechnologist Award (IYBA) 2016-2019, Department of Biotechnology, Government of India Max-Planck Alumni Travel, Germany Award-2017 European Molecular Biology Organization Travel Award 2016-2017  Women Young Scientist Organizer's Award, Society of Biological Sciences 2017.
CESP, SSS	2017-18	Prof. Praveen Jha	Professor	Ela Bhatt Visiting Professor at the International Centre for Development and Decent Work (ICDD), University of Kessel, Germany from 17 <sup>th</sup> April to 31 August 2017.
CES, SIS	2017-18	Prof. R.K. Jain	Professor	Erasmus Plus Fellow, UPFM, Barcelona, Spain, 8-12 May 2017
		Prof. Ummu Salma Bava	Professor	Awarded prestigious Jean Monnet Chair, from the European Commission, 2017-2020.
		Prof. Gulshan Sachdeva	Professor	Jean Monnet Chair in European Economic Integration & Energy Security by the European Commission (September 2016 -August 2019).
		Dr. Sheetal Sharma	Assistant Professor	Awarded Jean Monnet Module from the European Commission, 2017-2020.
CHS, SSS	2017-18	Atwal Jyoti	Associate Professor	Appointed as adjunct professor at Deptment of History, Faculty of Arts, Humanities and Social Science Univeersity of Limerick , Ireland from September 2017 till august 2022. Grand of 5,500 by the Depment of Forgien Affairs and Trands, Government of Ireland (towards covering costs associated with visit of a Professor from Ireland and bookson Irish history and Interature). 2017
		Dasgupta	Associate Professor	June July 2017 Asa Briggs Fellow ath the School of History and Philosophy, University of Susser.
		Haider Najaf	Professor	Visiiting Professor Sonderforschungsberetch , University of Bonn, 11-23 December 2017
		Kadam Umesh Ashok	Professor	Nominated as member of the Indian Historical Records committee, National Archieves of India Miistry of Culture, Government of India from December 2017 to December 2022.
		Mahalakshmi R	Professor	Secretary, Indian History Congress 2018-2021. President, Historiography Section Andhra History Congress, 2017-18.

		Nair Janaki	Professor	Visiting professor, National Museum of ethnology, Osaka Japan, August 12-December 12 2017.
		Pachau Joy LK.	Professor	Visiting Fellow, agrarian Studies Program, Macmillan Centre, Yale University, Fulbright – Nehru Academic and Professional excellent Fellowship. The Mizo Award (Dec 2017) by Vanglani a leading daily newspaper from Aizawl, Mizoram for distinguished work in the field of academics. Fulbright sept. 2016- June 2017.
CRS, SLL&CS	2017	Dr. Sonu Saini	Asstt. Prof.	Teaching Subject in Russian Language
CES, SLL&CS	2017-18	Saugata Bhaduri	Professor	Visiting Professor, under the UGC-DAAD-IGP, at Julius Maximilians Universität, Würzburg, Germany, May-June 2017.
		Brinda Bose	Associate Professor	Visiting Scholar, Centre for Humanities Research, University of the Western Cape, Cape Town, South Africa. August, 2017.
		Udaya Kumar	Professor	Visiting Professor at the École Normale Supérieure de Lyon, France, 12-30 October 2017.
		Makarand Paranjape R	Professor	Elected President, Indian Society for the Study of Australia, 2015-2020. Invited member of the Expert Committee representing India in South Asian University.  Invited member of the General Council of Indian Council of Cultural Relations, 2016-2021.
		Dhananjay Singh	Professor	Invited member of the Society of Nehru Member Library and Museum, 2015-2020.  Invited to give the National Book Trust Foundation Day lecture on “Romance of the Book” on 1 <sup>st</sup> August 2017 at India International Center, New Delhi. Visiting Research Fellow, Trinity Long Room Hub, Arts and Humanities Research Institute, Trinity College Dublin, May-July 2017.
CMS, SSS	2017	Dr. Chitralekha	Asstt. Prof.	Member School of Social Science, Institute of Advanced Studies, Princeton.
CFFS, SLL&CS	2018	Prof. Vijayalakshmi Rao	Prof.	Medaille d'or du 50e anniversaire du ministère des Relations Internationales et de la Francophonie for her contribution to Quebec Studies by Minister Christine Saint Pierre by the Govt. Of Quebec
SM&CH, SSS	2017-18	Dr. N. Guite Dr. Ramila Bisht Dr. Sunita Reddy	Asstt. Prof. Prof. Asstt. Prof.	Shastri Mobility of SICI. 3 <sup>rd</sup> Uttarakhand Women Summit & Award. Indo Swiss Seed Money Grant, ICSSR.

<b>2.5 Evaluation Process and Reforms</b>					
<b>2.5.1 Number of days from the date of semester-end/year-end examination till the declaration of results during the year</b>					
School/ Centre	Programme Name	Programme Code	Semester/ year	Last date of the last semester- end/ year- end examination	Date of declaration of results of semester- end/year- end examination
CITD, SIS	MA EIL	202	Winter Sem. 2017	09.05.2018	23.05.2018
	M.Phil/Ph.D ITDP	106	Winter Sem. 2017	09.05.2018	23.05.2018
CCSAS, SLL&CS	BA, MA	U/M	Winter	12.05.2018	11.07.2018
SCIS	M.Sc. PGD Ph.D.	CISM, PGDE CBB	2017		Within 2 weeks as per JNU rules
CILS, SIS	MA PIS	IS405N	Monsoon 2017	11.12.2017	07.12.2017
	do	IS455N	Winter 2018	19.05.2018	08.05.2018
SPS	M.Sc. Physics	PS412, PS413, PS415, PS417, PS425, PS427, PS511, PS512, PS514, PS515	Monsoon 2017	23.11.2017	11.12.2017
	M.Sc. Chemistry	PS452C, 453C, PS454C, 455C, PS451C	Monsoon 2017	23.11.2017	11.12.2017
	Ph.D. Physics	PS603, PS621, PS622, PS664	Monsoon	23.11.2017	11.12.2017
	Ph.D. Mathematics	PS641M,PS642 M, PS643M,	Monsoon	23.11.2017	11.12.2017
	Ph.D. Chemistry	PS618C, S452C PS453C	Winter	24.04.2018	19.05.2018
	M.Sc. Physics	PS421, PS422 PS423, PS424 PS428, PS426 PS522, PS528 PS524, PS525 PS527, PS530 PS529	Winter	24.04.2018	19.05.2018
	M.Sc. Chemistry	PS457C, S456C PS460C, S459C PS458C	Winter	24.04.2018	19.05.2018
	Ph.D Physics	PS699, PS622	Winter	24.04.2018	19.05.2018
	Ph.D Mathematics	PS645M, S646M PS647M	Winter	24.04.2018	19.05.2018
	Ph.D Chemistry	PS615C, S617C	Winter		
SLS	M.Sc.	SLSM	Mon/Winter Sem.	As per schedule given by university	
	Ph.D.	SLSP	Mon/Winter Sem.	As per schedule given by university	
SCNS	Ph.D.	NNSH-293 / NNSJ-293	Mon/Winter Sem.	12.12.2017 15.05.2018	Jan.2018 July 2018
SCSNEI	Sociology of North East India	NE-202	Monsoon 2017	05.12.2017	07.12.2017
	Introduction to History of North East India	NE-205	Monsoon 2017	05.12.2017	07.12.2017
	Introduction to	NE-206	Monsoon 2017	05.12.2017	07.12.2017

	Literatures of North East India				
	Politics of Development in North East India	NE-425	Monsoon 2017	05.12.2017	05.12.2017
	Politics of Development in North East India	NE-425	Winter 2018	09.05.2018	09.05.2018
	Sociology of North East India	NE-202	Winter 2018	09.05.2018	09.05.2018
SES	M.Sc. (Env.Science)	SESM	2017-18	12.05.2018	20.05.2018
	M. Phil.	SESP			
	Ph.D.	SESH			
CISLS, SSS	MA	DLSM	Monsoon & Winter	As per academic Calendar	As per academic Calendar
	Ph.D.	ISLM	Monsoon & Winter	As per academic Calendar	As per academic Calendar
SBT	M.Sc.	JB	4 Semester	10.12.2018 & 14.05.2019	15.06.2019
	Ph.D.	PB	10 Semester	10.12.2018 & 14.05.2019	15.06.2019
CESP, SSS	MA	-	4 <sup>th</sup> Semester	05.05.2018	31.07.2018
	M.Phil	-	2 <sup>nd</sup> Semester	05.05.2018	31.07.2018
CCUS&LA S, SIS	MA (IRAS)	IA513	Winter 2018	19.05.2018	01.06.2018
	MA (PIS)	IS585N	Winter 2018	19.05.2018	28.05.2018
	MA (PIS)	IS572N	Winter 2018	19.05.2018	28.05.2018
	MA (PIS)	IS574N	Winter 2018	19.05.2018	11.05.2018
	MA (PIS)	IS513N	Monsoon 2017	11.12.2017	21.12.2017
	MS (PIS)	IS598N	Monsoon 2017	11.12.2017	08.12.2017
CES, SIS	Research Methodology, European Economic Integration, Identity Issues in Europe, Europe and the Mediterranean Region	ES 601S, ES602S, ES606S, ES612S	Monsoon Semester, 2017	5 December, 2017	6.3.2018
	Energy Security in Europe, Issues in European Security, French Language-Beginner's Level	EG603, ES605S, ES610S	Winter Semester 2018	12 May 2018	31.8.2018
CSSE&IP, SSS-	Research Methods for the Study of Discrimination and Exclusion	DE602	Monsoon 2017	December 5, 2017	December 7, 2017
	State, Social Protection Policies and the Marginalized	DE607	Monsoon 2017	December 5, 2017	December 7, 2017
	Political Economy and Discrimination	DE402	Monsoon 2017	December 5, 2017	December 7, 2017
	Religious Minorities and Social Exclusion	DE404	Monsoon 2017	December 5, 2017	December 7, 2017
	Dalits and the Processes of Exclusion	DE401	Winter 2018	May 12, 2018	May 9, 2018

	Power Identities and Discrimination	DE403	Winter 2018	May 12, 2018	May 9, 2018
CHS, SSS	MA	-	Monsoon	December 5	-
	MA	-	Winter	May 12	-
	M.Phil	-	Monsoon	Dec. 5	-
	M.Phil	-	Winter	May 12	-
CRS, SLL&CS	BA (Hons.) & MA	-	Winter 17-18	12.05.2018	11.07.2018
CES, SLL&CS	MA	ENGM	Semester	06.05.2018	July 2018
CGS, SLL&CS	UG	-	2017-18	02.12.2017-02.05.2018	Jan 2018 July 2018
CP, SSS	MA	SPHM	Semester	Dec.2017-May 2018	Dec. 2017 May 2018
CJS, SLL&CS	BA	Monsoon Sem. 2017	20.11.2017	11 Dec. 2017	11 Dec. 2017
	MA & M. Phil	Monsoon Sem. 2017	24.11.2017	11 Dec. 2017	11 Dec. 2017
	BA	Winter Sem. 2018	20.04.2018	11 May 2018	11 May 2018
	MA & M.Phil	Winter Sem. 2018	25.04.2018	11 May 2018	11 May 2018
CMS, SSS	MA (optional)	-	2017-18	May 2018	June 2018
CFFS, SLL&CS	BA, MA	-	Monsoon 2017-18	05.12.2017	12.12.2017
	M. Phil/Ph.D.	-	Winter 2017-18	05.05.2018	12.05.2018
CSSP, SSS	BA	SP201P	Winter 2018	04.05.2018	15.05.2018

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

**\*Do not include re-evaluation/re-totalling**

School/Centre	Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
CITD, SIS	01	54	1.85%
CCSAS, SLL&CS	-	172	-
SLS	No complaint	-	-
SBT	No complaint	23+11	-
CESP, SSS	No complaint	124	-
CCUS&LAS, SIS	No complaint		
CES, SIS	No complaint	All	100%
CSSE&IP, SSS	Nil	49	
CHS, SSS	-	92	-
CFFS, SLL&CS	nil	200	-

**2.6 Student Performance and Learning Outcomes**

**2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)**

CESP, SSS – <https://www.jnu.ac.in/sss/cesp>

**2.6.2 Pass percentage of students**

School /Centre	Programme Code	Programme name	Number of students appeared in	Number of students passed in final	Pass Percentage
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			the final year examination	Semester /year examination	
CITD, SIS	202	MA Eco	48	47	100%
	106	M.Phil/Ph.D.	06	06	
CCSAS, SLL&CS		BA (3 <sup>rd</sup> Yr)	39	39	100%
		MA (2 <sup>nd</sup> yr)	10	10	
SCIS	CISM	M.Sc.	16+16 (two batch)	16+16	100%
	PGDE	PGDip.	05	02	20%
CILS, SIS	IS405N	MA PIS	113	103	90%
	IS455N	Do	81	81	100%
SPS	SPSM	M.Sc. Physics	40+30+2+1=73	70	95.89%
	CHEM	M.Sc. Chemistry	04	04	100%
	PHYP	Pre-Ph.D Physical Sciences	02	02	100%
	CHEP	Pre-Ph.D. Chemical Sciences	03	03	100%
	MATP	Pre-Ph.D. Mathematical Sciences	01	01	100%
SLS	SLSM	M.Sc.	24	24	100%
	SLSP	Ph.D.	23	23	100%
SCNS	NNSH	Ph.D.	04	04	100%
SCSNEI	NE-202	Sociology of North East India	45	45	100%
	NE-205	Introduction to History of North East India	20	20	100%
	NE-206	Introduction to Literatures of North East India	10	10	100%
	NE-425	Politics of Development in North East India	12	12	100%
	NE-425	Politics of Development in North East India	05	05	100%
	NE-202	Sociology of North East India	42	42	100%
SES	-	Ph.D	-	17	-
	-	M.Sc.	-	13	-
SAA		MA, M.Phil	24, 14		100%
CISLS, SSS	MA, Ph.D.	DLSM, ISLM	32, 06	32, 06	100%
JB	M.Sc.	-	23+11	23+11	100%
CESP, SSS	MA	Mater of Arts	112	112	100%
	M.Phil/Ph.D.		12	12	100%
CCUS&LAS, SIS	IA513	MA (IRAS)	34	33	97%
	IS585N	MA (PIS)	20	19	97%
	IS572N	MA (PIS)	30	29	97%
	IS574N	MA (PIS)	27	27	100%
CES, SIS	ES601S	Research Methodology	1	1	100%
	ES602S	European Economic Integration	1	1	100%
	ES603S	The European Union In World Politics	NIL	NIL	NIL
	ES604S	Politics & Society in Central & Eastern Europe	NIL	NIL	NIL

	ES605S	Issues in European Security	1	1	100%
	ES606S	Identity Issues in Europe	1	1	100%
	ES607S	German Language	NIL	NIL	NIL
	ES608S	Social Structure & Dynamics in Europe	NIL	NIL	NIL
	ES610S	French Language	1	1	100%
	ES611S	Contemporary Issues in the Nordic Region	NIL	NIL	NIL
	ES612S	Europe and the Mediterranean Region	1	1	100%
	ES613S	Foreign and Security Policy of the Baltic States	NIL	NIL	NIL
CL, SLL&CS	LIN	MA	26	26	100%
CSSE&IP, SSS-	DE602	Research Methods for the Study of Discrimination and Exclusion	01	01	100%
	DE607	State, Social Protection Policies and the Marginalized	01	01	100%
	DE402	Political Economy and Discrimination	23	23	100%
	DE404	Religious Minorities and Social Exclusion	01	01	100%
	DE401	Dalits and the Processes of Exclusion	21	21	100%
	DE403	Power Identities and Discrimination	02	02	100%
CHS, SSS	-	MA, M. Phil., Ph.D	92, 58	92, 58	100%
CRS, SLL&CS	-	BA 3 <sup>rd</sup> yr., MA 2 <sup>nd</sup> Yr.	25, 11	24, 11	-
CES, SLL&CS	M	Master	34	34	100%
CGS, SLL&CS	UG	BA Hons. (German Studies)	all		99%
	PG	MA (German Studies)	all	All	100%
	M.Phil/Ph.D.	German Studies (Literature and Translation)	all	All	100%
CP, SSS	SPHM	MA	49	46	96%
CJS, SLL&CS	B.A.	I	24	24	100%
	B.A.	II	25	25	100%
	B.A.	III	24	24	100%
	M.A	I	20	11	100%
	M.A	II	28	27	95%
CMS, SSS	MM401	MA	18	18	100%
	MM403	MA	33	33	100%
CFFS, SLL&CS	-	BA, MA, M.Phil	100, 63, 09	96, 54, 09	-
CSSP, SSS	-	M.Phil., BA	07, 45	06, 45	100%

<b>2.7 Student Satisfaction Survey</b>					
<b>2.7.1 Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)</b>					
<p><b>SPS</b> – Feedback form was given at the end of the session.</p> <p><b>SM&amp;CH, SSS-</b> Written feedback on this matter is regularly collected through Students Faculty Committee (SFC).</p>					

<b>CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION</b>				
<b>3.1 Promotion of Research and Facilities</b>				
<b>3.1.1 Teachers awarded National/International fellowship for advanced studies/research during the year</b>				
	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
National	SPS- Prof. R Ramaswamy	JC Bose National Fellowship	2016-2021	DST-SERB
	Prof. Sanjay Puri	JC Bose National Fellowship	2017-2022	DST-SERB
	Prof. SP Das	JC Bose National Fellowship	2017-2022	DST-SERB
	Prof. P Mukhopadhyay	Swarna Jayanti Fellowship	2015-2020	DST
	SLS- Prof. Ashwani Pareek	Visitors Award 2018	May 18	The President of India for BEST Technology for “Stress Tolerant Rice of the Next Generation (Strong).
	<b>CES, SIS-</b> Prof. Ummu Salma Bava	UGC - DAAD Indo-German Partnership	July 2016	UGC
	<b>CHS, SSS-</b> Dasgupta Sangeeta Haider Najaf Mahalakshmi R	Asa Bright Fellow Visiting Professor Visiting Professor	June-July 2017 11-23 Dec. 2017 Jan.2018 to Feb.2018	School of History University of Sussex. Donderforschungsberreich Univerisity of Bonn. Department of Art History and visual Studies Humboldt University.
	<b>CES, SLL&amp;CS-</b> Prof. Saugata Bhaduri  Prof. Dhananjay Singh	Research Secondment at the Faculty of Polish Studies, Centre for Advanced Studies in the Humanities, Jagiellonian University in Kraków, Poland  Research Secondment at Trinity College Dublin	16 Nov. 2017 to 7 Jan. 2018  May-July 2017	Marie Curie International Research Exchange Scheme Project SPeCTReSS” (Social Performances of Cultural Trauma and the Rebuilding of Solid Sovereignities), funded by the European Union  Marie Curie International Research Exchange Scheme Project SPeCTReSS” (Social Performances of Cultural Trauma and the Rebuilding of Solid Sovereignities), funded by the European Union

	SM&CH, SSS- Dr. Sunita Reddy Dr. N. Guite Dr. Ramila Bisht	Child Abuse: A study in four northern states. Shastri Mobility Programme. 3 <sup>rd</sup> Uttarakhand Women Summit & Award.	2018	World Vision India SICI Uttarakhand
International	CSLG- Prof. Amita Singh Prof. Pratiksha Baxi	AAF-DFAT-AWARD, Monash University Fellowship. Travel Award for the International Research Collaboration (IRC 16) entitled Visual Cultures of Law for the Law and Society Association in Mexico. Research fellowship at the Kate Hamburger Kolleg "RechtalsKultur" in Bonn Germany.		Law and Society Association in Mexico. Kate Hamburger Kolleg "RechtalsKultur" in Bonn Germany.
	SPS- Brijesh Kumar	Regular Association of ICTP	2017-2022	ICTP, Italy
	SPS- Prof. Ashwani Pareek	Appointed Adjunct Faculty, University of Western Australia		University of Western Australia
	SBT- Prof. R. Bhatnagar Dr. M.K. Sharma	J.C. Bose National Fellow by Department of Science and Technology Ramalingaswamy Re-entry Fellowship		
	CESP, SSS - Prof. Praveen Jha	Ela Bhatt Visiting Professor	2017	University of Kassel
	CES, SIS- Prof. Ummu Salma Bava Prof. Gulshan Sachdeva Dr. Sheetal Sharma	Jean Monnet Chair	September 2017	European Commission
	CRS, SLL&CS-Dr. Sonu Saini	Winner, International Competition for teachers "Teaching Subject in Russian Language Artek", Russia	Aug.2017	Pushkin State Institute of Russian Language
	CPS, SSS- Rinku Lamba	Senior Fellow Justitia Amplificata and Forschungskolleg Humawissenschaften, Bad Homburg	June 2017- July 2018	Justitia Amplificata research centre at the Goethe University, Frankfurt, Germany
	CGS, SLL&CS-Prof. Babu Thaliath	Visiting Faculty	June 2018	Bergische Universitat, Wuppertal
	CMS, SSS- Chitralekha	Institute of Advanced Studies, Princeton	2017-18	Princeton University
	SM&CH, SSS-Dr. Sunita Reddy	Indo Swiss Joint Research Fellowship	2017	ICSSR
	CSSP, SSS	The Centre ranked amongst the <b>Top Science and Technology Think Tanks for 2017</b> (11 <sup>th</sup> among 68 S&T Think Tanks)	31 <sup>st</sup> January 2018	Think Tanks and Civil Societies Program (TTCSP) of the University of Pennsylvania, USA
		The Centre ranked amongst the <b>Best University Affiliated Think Tanks for 2017</b>	31 <sup>st</sup> January 2018	Think Tanks and Civil Societies Program (TTCSP)

				of the University of Pennsylvania
		The Centre ranked amongst the <i>Best Use of Social Media and Networks for 2017</i>	31 <sup>st</sup> January 2018	Think Tanks and Civil Societies Program (TTCSP) of the University of Pennsylvania
<b>3.1.2 Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year</b>				
School/Centre	Name of Research fellowship	Duration of fellowship	Funding agency	
CITD, SIS	JRF-07, SRF-01	5 yrs.	UGC	
CIPOD, SIS	JRF/SRF-32, Non Net-42 National Fellowship-03 RGNF-03, MANF-01, ICCR-02	5 yrs.	UGC & ICSSR	
CCSAS, SLL&CS	JRF/SRF-05	5 yrs.	UGC	
CSLG	JRF-12, SRF-05, ICSSR-02	5 yrs.	UGC, GOI	
SCIS	DST-JRF/SRF, Rajiv Gandhi National Fellowship-SRF, DST-Inspire JRF, ICMR-JRF/SRF, DBT-JRF		UGC, DST, CSIR, ICMR, DBT	
SPS	JRF-40, SRF-66, Ramalingaswamy-01, DST-Inspire-01, UGC-DR. D.S. Kothari-15, DBT-Post Doctoral-01, DST-Women Scientist-05	4-5 yrs.	CSIR, UGC, RGNF, DBT, Non-Net, Women Scientist, ICMR, UGC Maulana Azad & Ambedkar Fellowship. DBT, DST, UGC	
SLS	SRF-4, Project Asstt.-10, Research Associate-01, Research Asstt.-01, DST Post of Doctoral Research-01, DST Women Scientist-01, DST Inspire Faculty-02, Post Doctoral Research-01.	3 yrs. 06 months 5 yrs.	IUAC, DST Purse-II, Dr. D.S. Kothari Fellowship, DST, MHRD Imprint.	
SCSNEI	Research Associate-04, JRF-05	3 yrs. 5 yrs. 01 yr.	ICSSR, UGC-JRF	
SES	IST: JRF-03, SRF-01, PDF/RA-02, PR-2, PDF/RA-02, JRF-03, JKT-PDF-01, SM-08, KM: RA-3, SRF-07, UCK- SRF-05, JRF-01, SY: SRF-02, JRF-01			
CISLS, SSS	JRF-3, Single Girl Child-1, Sam Mayo Fellowship-1	-	UGC, AISBOA	
SBT	Project Assistant-02, JRF, NPDF, JRF-2, DST-Inspire, DHR, Young Scientist	-	DST-SERB, DBT, SERB, IUAC, DBT	
CESP, SSS	JRF-32, SRF-03, Non-Net-14, RGNF-2, RBI SAARC Finance Fellowship-01, Dr. Radhakrishna Post Doctoral Fellowship-01	-	UGC, RBI	
CCUS&LAS, SIS	Post Doctoral Fellowship (1)	2017-18	ICSSR	
CES, SIS	JRF-02, SRF-04	2 yrs	UGC	
CL, SLL&CS	Non Net-24, JRF-12, SRF-02, ICSSR-06, RGNF-09, NRST-02	-	UGC & ICSSR	
CSSE&IP, SSS	Dr. Raj Kumar Khosla	Feb. 2019	ICSSR	
CRS, SLL&CS	JRF, SRF, RGNF, MANF	5 yrs.	UGC	
CES, SLL&CS	MANF, JRF, SRF, RGNF, NFOBC, BANRF, SVGGC, NFSC	05 yrs	UGC	
CPS, SSS	UGC-JRF, RGNF, ICSSR	24 months	UGC, ICSSR	
CGS, SLL&CS	JRF/SRF	4 yrs	UGC	

CP, SSS	JRF-01, SRF-06, Professional Fellow-01	5 yrs.	UGC ICSSR
CJS, SLL&CS	JRF-05, UGC Non Net-02	5 Yrs.	UGC
CFFS, SLL&CS	UGC-Net-03		UGC
SM&CH, SSS	JRF-29, RGNF-08, ICMR JRF-01, Others-63		UGC, RGNF, ICMR, JNU etc.

### 3.2 Resource Mobilization for Research

#### 3.2.1 Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the year
Major projects	01.07.17-30.06.18	DBT/DST/CSIR/ICMR/DOEN/UGC/ICHR/ICSSR/ICAR/ICPR/GIAN/ENVIS/NIAW	325654589.00	325654589.00
Minor Projects	01.07.17-30.06.18	ICSSR	2975169.00	2975169.00
Interdisciplinary Projects				
Industry sponsored Projects	01.07.17 – 30.06.18	BIOSEED	738000.00	738000.00
Projects sponsored by the University				
Students Research Projects (other than compulsory by the University)				
International Projects	01.07.17 – 30.06.18	IDS / UNU / ICPAR / University of Cambridge Japan Foundation / Max Plan / Daitobunka Uni. Academic of Korean Study / Jeanm Monnet / Sandee / Sunraise Indo Canadian Shastri Institute / Hee / IAEA / UNFPA	22284414.00	22284414.00
Any other(Specify)				
Total				

### 3.3 Innovation Ecosystem

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

Title of Workshop/Seminar	Name of the Dept.	Date(s)
<b>SBT-</b>		
Dr. Malla R. Rao, Programme director, ICEMR & Deputy Branch chief, NIAID Parasitology and International Programmes Branch, NIH, USA, "Strategic Directions for Research on Vector Borne Diseases", delivered on 27 <sup>th</sup> July, 2017.		
Dr. Subash Chandra Gupta, Department of Biochemistry, Institute of Science, Banaras Hindu University, Varanasi, "Molecular basis of breast cancer growth in acidic microenvironment", delivered on 4 <sup>th</sup> August, 2017.		
Dr. Khusdeep Bandesh, CSIR – Institute of Genomics and Integrative Biology, "Long Non- Coding		

RNA and regulation of C-peptide levels”, delivered on 18<sup>th</sup> August, 2017.

Dr. Vinay Bansal, HYLASCO Biotechnology Pvt. Ltd. Hyderabad, India, “Animals for Drug Discovery: Friends or FOE”, delivered on 8<sup>th</sup> September, 2017.

Dr Noman Siddiqi, Director (Research Operations), Department of Immunology & Infectious Diseases, Harvard School of Public Health, “Best Practices in Mycobacterium Tuberculosis Research” delivered on 25<sup>th</sup> September, 2017.

Prof. William A. Cramer, Henry Koffler Distinguished Professor of Biological Sciences Department of Biological Sciences, Purdue University, West Lafayette, USA, “Why are membrane Proteins a “hot” topic in bio – molecular research?” delivered on 6<sup>th</sup> November, 2017.

Dr. Arijit K. De, Department of Chemical Sciences, Indian Institute of Science Education and Research (IISER) Mohali, “Ultrafast dynamics of primary processes in photosynthesis: From quantum coherence to photo-protection” delivered on 7<sup>th</sup> November, 2017.

Prof. Allen P. Minton, Laboratory of Biochemistry and Genetics, Physical Biochemistry Section, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, Bethesda, MD, USA, “What we know and what we do not know about molecular crowding”, delivered on 9<sup>th</sup> November, 2017.

Prof. Allen P. Minton, Laboratory of Biochemistry and Genetics, Physical Biochemistry Section, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, Bethesda, MD, USA, “Pushing and pulling: Synergistic effects of an inert” solute and a native ligand upon functionally related equilibria in an enzyme and in a riboswitch” delivered on 16<sup>th</sup> November, 2017.

Prof. Allen P. Minton, Laboratory of Biochemistry and Genetics, Physical Biochemistry Section, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, Bethesda, MD, USA, “Time-dependent crowding and the kinetics of protein aggregation: a simple model for the onset of age-related neurodegenerative disease”, delivered on 23<sup>rd</sup> November, 2017.

Dr. Santosh Kumar Verma, Visiting Postdoctoral Fellow, National Institute of Health (NIH), USA, “Cell Fusion Stage in Osteoclast Formation”, delivered on 18<sup>th</sup> January, 2018.

Dr. Amitabh Sharma, Assistant professor of Medicine, Harvard medical School, Boston MA, “Network Medicine: From cellular network to human disease” delivered on 27<sup>th</sup> February, 2018.

Prof. Paul Smith, director Oxford University Museum of Natural History, “The Co-evaluation of Life and Earth”, delivered on 28<sup>th</sup> February, 2018.

The first Indian Space Biology brainstorming meeting. JNU, March 8 2018

CONFERENCE ORGANIZED BY THE SCHOOL

Dr. Ranjana Arya & Prof. Rupesh Chaturvedi organized National Science Day conference on 28<sup>th</sup> February, 2018.

School has organized BioEpoch 2018 on 21.4.2018.

Prof. Rupesh Chaturvedi & Prof. Deepak Gaur co-organized the 86<sup>th</sup> annual meeting of the Society of Biological Chemists, India (SBCI), Nov 16 – 19, 2017

<b><u>CPS, SSS-</u></b> Democracy, Social Justice and Political Action	CPS	6-7 March 2018
Constitutional Democracy in a Comparative Perspective	CPS	15-16 March 2018
National conference on Religion, Difference and Political Action in India	CPS	19-20 March 2018
<b><u>CMS, SSS-</u></b> Media Studies: Pedagogic and Methodological Engagements	Media Studies	March 2018
<b><u>SM&amp;CH, SSS-</u></b> Dissemination Seminar on 25.01.2018 “National and International Medical Mobility, Networks, and Markets: The constitution of Medial Tourism in Delhi, India” under Indo-Swiss	ICSSR, AYUSH	25.01.2018

Joint Research Programme in Social Sciences.				
<b>3.3.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year</b>				
Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
<b>SS&amp;IS</b> – Machine Translation Evaluation Platform UPE-II-JNU	Prof. Girish Nath Jha		July 2017	
<b>CISLS, SSS-</b> Ela Bhatt	Prof. Praveen Jha	University of Kassel, Germany	10.08.2017	-
<p><b>SBT- Sneha Roy</b>, Ph.D. scholar, SBT, was selected to be an Invited Speaker in the Gordon Research Seminars Conference on Proteins held at Holderness School, NH, USA from June 17-23, 2017.</p> <p><b>Ms. Sneha Roy</b> also presented her research work in the 31st Protein Society Symposium held at Montreal, Canada from June 17 to 23, 2017. The research work presented was on the use of small molecule modulators of human brain gamma-synuclein protein involved in neurodegeneration (Parkinson's disease) and cancer.</p> <p><b>Ms. Sneha Roy</b> awarded highly competitive Carl Storm International Diversity (CSID) Award from Gordon Research Conferences and The Finn World and Protein Society Travel Award by The Protein Society. July 24-27, 2017.</p>				
<b>CESP, SSS-</b> Ela Bhatt Visiting Professor, Avani Bhat Memorial Prize, Ranjan Roy Memorial Prize, Exim Bank Scholarship	Prof. Praveen Jha, Mr. Mohit Srivastava, Mr. T.V. Ninan, Mr. Mohit Srivastava, Mr. Kritika Arora and Ms. Vaishali	University of Kassel, JNU, Through JNU Exmi Bank	2017-2018	
<b>SM&amp;CH, SSS-</b> Local Healing Practices in Rural Nepal Maiba Laiyeng Pathap: Traditional Bone Setters of Manipur	Bamdev Subedi Aseem Tomba Meeti	ICTAM, IX, Nepal ICTAM, IX, GERman	2017	ICTAM, IX 300 Euro ICTAM, IX 300 Euro
<b>3.3.3 No. of Incubation centre created, start-ups incubated on campus during the year</b>				
<b>Incubation Centre</b>	<b>Name</b>	<b>Sponsored by</b>		
<b>SS&amp;IS</b> – Not decided		Panlingua Language Service LLP 03.11.2017		
<b>SM&amp;CH, SSS-01</b> 1. Pre-conference workshop on Addressing Social Determinants through Health Promotion, with Prof. Amarjeet Singh, RGIMER and Prof. Poonam Khattar, NIHFW. 2. Re-examining the Management of Acute Malnutrition: Current Understanding, Evidence and Learnings.	TRC_PHC, TRCSS The First World NCD Congress 2017, PGIMER, Chandigarh  International Conference on Critical Public Health Consequences of the Double Burden of Malnutrition and the Changing Food Environment in South And South East Asia.	28-30.03.2018 New Delhi		
<b>Name of the Start-up</b>	<b>Nature of Start-up</b>	<b>Date of commencement</b>		

<b>3.4 Research Publications and Awards</b>			
<b>3.4.1 Ph. Ds awarded during the year</b>			
<b>Name of the Department</b>		<b>No. of Ph. Ds Awarded</b>	
<b>JNU</b>		<b>622</b>	
CITD, SIS		Ph.D. – 03, Ph.D. Submitted - 06	
CIPOD, SIS		13	
CCSAS, SLL&CS		01	
CSLG		11	
SCIS		06	
CILS, SIS		03	
SPS		08	
SLS		40	
SES		18	
CISLS, SSS		02	
SBT		16	
CESP, SSS		10	
CCUS&LAS, SIS		08	
CES, SIS		05	
CL, SLL&CS		10	
CSSE&IP, SSS		02	
CHS, SSS		21	
CRS, SLL&CS		03	
CES, SLL&Cs		13	
CPS, SSS		29	
CGS, SLL&CS		02	
CP, SSS		08	
CMS, SSS		01	
CFFS, SLL&CS		08	
<b>SM&amp;CH, SSS</b>		<b>08</b>	
<b>3.4.2 Research Publications in the Journals notified on UGC website during the year – Please see Annexure 1</b>			
	<b>Department</b>	<b>No. of Publication</b>	<b>Average Impact Factor, if any</b>
<b>National</b>	CIPOD, SIS	07	
	CCSAS, SLL&CS	02	
	SCIS	87	
	CILS, SIS	04	
	SCNS	23	
	SES	12	1.34
	SAA	361	
	CISLS, SSS	06	
	SBT	89	
	CCUS&LAS, SIS	02	
	CL, SLL&CS	01	
	CSSE&IP, SSS	03	-
	CHS, SSS	08	-
	CRS, SLL&CS	28	
	CES, SLL&CS	07	-
	CGS, SLL&CS	09	
	CP, SSS	04	
	CJS, SLL&CS	02	
	CMS, SSS	01	
	SM&CH, SSS	23	

<b>International</b>	CITD, SIS	19	
	CSLG	10	
	CILS, SIS	03	
	SPS	99	3.3
	SLS	150	4.0
	SCNS	18	
	SES	156	2.76
	SAA	254	
	CISLS, SSS	08	
	CCUS&LAS, SIS	04	0.15
	CL, SLL&CS	01	
	CHS, SSS	05	-
	CRS, SLL&CS	04	
	CES, SLL&CS	07	-
	CPS, SSS	17	-
	CGS, SLL&CS	08	
	<b>CP, SSS</b>	02	

**3.4.3 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year: Please also see Annexure 4**

Department	No. of publication
CITD, SIS	Books - 01 chapter in books – 09
CIPOD, SIS	12
CCSAS, SLL&CS	17
CSLG	10
SCIS	02
CILS, SIS	11
SPS	10
SLS	02
SCNS	03
SCSNEI	Book-01, In Journals-05, Chapters in Books-06, Media Articles-03
SES	12
SAA	Book-08, Chapter in books-26, Book Review-02, Media Article-10
CISLS, SSS	07
SBT	09
CESP, SSS	12
CCUS&LAS, SIS	02
CES, SIS	Book-02, Chapter-11, Paper-01 (National Conference), Paper-10 (International Conference)
CSSE&IP, SSS	02
CHS, SSS	38
CRS, SLL&CS	15
CES, SLL&CS	Books-10 Chapters 08
CPS, SSS	77
CGS, SLL&CS	02
CP, SSS	11
CJS, SLL&CS	Books-02, Chapter in Books-10
CMS, SSS	01

CFFS, SLL&CS	02
SM&CH, SSS	78

### 3.4.4 Patents published/awarded during the year

Patent Details	Patent status Publishe d/Filed	Patent Number	Date of Award
<p><b>SLS -</b> <b>Prof. Ashwani Pareek</b></p> <ol style="list-style-type: none"> <li>1. A Method for silencing the expression of a member of two-component system-OsPrr1 to increase salinity stress tolerance in rice”</li> <li>2. A novel rice mutant having multiple abiotic tolerance”</li> <li>3. An Improved rice mutant capable of producing rice line having improved growth rate, yield and crop, and a method of producing the same”</li> <li>4. Improved rice having increased lysine contents, and method of producing the same”</li> <li>5. A Method to enhance Multiple Abiotic Stress Tolerance of Crop Plants by over-expression of Cystathionine-β-synthase domain containing gene and Cystathionine-β-synthase domain containing gene therefor”</li> <li>6. Metallothionein polynucleotide from rice conferring abiotic stress tolerance in plants”</li> <li>7. Method for Enhancing Regeneration Frequency of Brassica species and Medium therefor”</li> <li>8. Hybrid-type Histidine Kinase Gene Isolated from Indica Rice IR64, and Clones Produced Thereby” National phase applications filed in several countries [granted on 12 January 2016 with USPTO number US 9,234,189 B2].</li> <li>9. Hybrid-type histidine kinase gene isolated from indica rice ir64, and clone products.</li> <li>10. Hybrid-type histidine kinase gene isolated from indica rice ir64. European Patent Application No. EP2350284 A4.</li> <li>11. Hybrid-type histidine kinase gene isolated from indica rice ir64 and clones produced thereby</li> </ol> <p><b>Prof. Rana Pratap Singh</b></p> <ol style="list-style-type: none"> <li>12. Singh RP, Nambiar D, Agarwal R. “A novel and selective radiosensitizing agent for providing mechanism-based radiosensitizing effects in prostate cancer”.</li> </ol>	Filed	<ol style="list-style-type: none"> <li>1. Indian Patent Application No. 3016/DEL/2015.</li> <li>2. Indian Patent Application No. 4025/DEL/2015.</li> <li>3. Indian patent Application No. 3387/DEL/2013.</li> <li>4. Indian patent Application. No. 3258/DEL/2013.</li> <li>5. Indian patent Application No. 525/DEL/2010.</li> <li>6. Indian patent Application No 2437/DEL/2009.</li> <li>7. Indian Patent Application No. 1682/DEL/2008, International [PCT] application No.PCT/IN2009/000402.</li> <li>8. Indian Patent Application No. 1896/DEL/2008 International [PCT] Application No. PCT/IN2009/000444.</li> <li>9. Chinese Patent Application No. CN102131930 A.</li> <li>10. European Patent Application No. EP2350284 A4.</li> <li>11. Philippine Patent Application No. 1/2011/500293.</li> <li>12. Patent files, Application No. 2889/del/2015.</li> </ol>	
<p><b>SCNS -</b> Dr. Pratima Solanki “A novel electrochemical sensing platform for detection of biological elements”.</p> <p>Dr. Pratima Solanki “A novel method to detect IL-8 using electrochemical sensing platform”.</p>	Filed	No. 201711038137 dt.27.10.18 No. 201711038138 dt. 24.09.17	
<p><b>SBT</b> <b>B.S. Balaji</b> and Neha Dalal, E-2/342/2018/DEL, Application number 201711040249. EFFICIENT AND SELECTIVE N-HALO ACYLATION OF AMINES.</p>	Filed	201711040249	10-Nov-2017

<p><b>B.S. Balaji</b> and Neha Dalal, E-2/343/2018/DEL, Application number 201711040250. EFFICIENT AND SELECTIVE N-HALO ACYLATION OF AMINO ALCOHOLS</p> <p><b>Jaydeep Bhattacharya</b>, Ranjita Ghosh Moulick, Ashwathi Asha Madhavan, Subhavna Juneja, A Gold nanoparticle based colorimetric biosensor for the detection of Advanced Glycation End Products-</p> <p><b>Jaydeep Bhattacharya</b>, Ranjita Ghosh Moulick, Raj Kamal, Ashwathi Asha Madhavan, A low cost point-of-care microfluidic device for DNA/RNA isolation, purification and amplification using Chip based PCR/ RT- PCR for the development of optical, Electrochemical, magnetic and other biosensing applications</p> <p><b>Jaydeep Bhattacharya</b>, <b>Rupesh Chaturvedi</b>, Ajita Jindal. Bio -Engineered mesoporous dialysis nano beads for specific removal of excess body toxins, water and ions from kidney failure patients. Provisional</p> <p><b>Rupesh Chaturvedi</b> et al., Patent on Bio-engineered mesoporous dialysis nano-beads.</p>	201711040250	10-Nov-2017
	201811014098	12/04/20
	201811004666	7/02/2018
	201711020373	10-06-2017

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

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
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Please see Annexure 2

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

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication
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Please see Annexure 3

### 3.4.7 Faculty participation in Seminars/Conferences and Symposia during the year: Please also see Annexure 4

School/Centre	No. of Faculty	Attended Seminars/ Workshops			Presented papers			Resource Persons			Local level
		International level	National level	State level	International level	National level	State level	International level	National level	State level	
CITD, SIS		23	16		18	10		03	04		
CIPOD, SIS		16	31		02	06					
CCSAS, SLL&CS		10	05		10	05		01	06		4+4
CSLG		16	33		16	33					
SCIS		05	17								
CILS, SIS		02	02		04	02			02		
SPS		33	35		04	16					
SLS		20	70			69		Faculty frequently participates as resource person in funding bodies like DST, DBT,			

											ICAR. Also participate academic bodies like BHU, NEHU, Jamia Milia Islamia, Delhi Univ., Punjab Univ.
SCNS		08	09								
SCSNEI		03	06	06	03	06	06				
SES		12	21		14	19					
SS&IS		19	23								
SAA		5768			30	78					
CISLS, SSS		24	60		-	-					
SBT		17	45		-	-					12
CESP, SSS		07	07		03	-					
CCUS&LAS, SIS		08	06		05	05	01	02	03		02
CES, SIS		24	07	09	01	-	-				25, 10
CL, SLL&CS			02		02	02			02		
CSSE&IP, SSS		-	-	-	01	14	-				
CHS, SSS		18	61	-	18	59	-	-	03	-	10, 10, 03
CRS, SLL&CS		55	21	-							
CES, SLL&CS		18	52	-	15	43	-	03	09	-	
CPS, SSS		15	51	-	15	96	-	02	26	-	
CGS, SLL&CS		10	04	-	11	5	-	05	05	-	04
CP, SSS		21	25	-	17	20	-	03	02		01
CJS, SLL&CS		05	09	-	01	-	-	07	-	-	
CMS, SSS		02	10	01	02	10	01				
<b>SM&amp;CH, SSS</b>		11	40		10	10					

### 3.5 Consultancy

#### 3.5.1 Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of Consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)

#### 3.5.2 Revenue generated from Corporate Training by the institution during the year

Name of the Consultant(s) & Department	Title of the Programme	Agency seeking training	Revenue generated (amount in rupees)	Number of trainees

### 3.6 Extension Activities

#### 3.6.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers <b>coordinated</b> in such activities	Number of students participated in such activities
Vivekanand Youth Connect Run held on 10 <sup>th</sup> September 2017 held at JNS, Lodhi Road, New Delhi	Sports Office, JNU	2	45
Delhi Central District Taekwondo Championship, 3.9.2017	Sports Office, JNU	1, Assistant Director, Physical Education	4

Autumn Summer Trek, 2 to 14.10.2017 at Borasu Pass, Uttarakhand.	Sports Office, JNU	1, Assistant Director, Physical Education	15
“Basic Rock Climbing Programme” from 12 to 17th December 2017 at Pachmarhi, Madhya Pradesh.	Sports Office, JNU	1, Assistant Director, Physical Education	18
Sports festival on the occasion of Swami Vivekananda Sports Festival 2018 (12.01.2018 to 25.01.2018)	Sports Office, JNU	2, Assistant Directors, Physical Education + 5 faculty members	110
IBSA/BRA National Sports Meet 2018	Sports Office, JNU	2, Assistant Directors, Physical Education + 5 faculty members	1
10 <sup>th</sup> Delhi State Para Athletics, Power lifting and Table Tennis Championship-2018 held at Delhi Technological University Ground, Shahbad Daultapur, Bawana Road, Delhi-110042 from 23.02.2018 to 25.02.2018	Sports Office, JNU	1, Assistant Director, Physical Education	2
Desert Trek 2018 to Jaisalmer from 24.01.2018 to 30.01.2018.	Sports Office, JNU	2, Assistant Director, Physical Education	18
8 <sup>th</sup> International open Para athletics meeting 18 <sup>th</sup> to 20 <sup>th</sup> March 2018 held in UAE.	Sports Office, JNU	2, Assistant Director, Physical Education	1
<b>SBT</b> - JNU Open Day, Science Day, Bioepoch 2018	JNU	20, 22, 22	700, 1000, 600

### 3.6.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited
<b>SM&amp;CH, SSS-</b> Extension and outreach with citizens of Gurugram And Ghaziabad on issues of water management, waste and health.  Bottom-up Perspectives for Re-drafting Primary Health Care for the 21st Century.  Interaction with faculty and research students, Min. of AYUSH, practitioners of traditional medicine and of modern conventional medicine to work out rational ways of integration of all systems in the health care system.	Trans-disciplinary Research Cluster on Sustainability Studies	Setting up of citizens forums on issues of water, waste and health.	10 teachers + 15 students
	JNU Study Group on Primary Health Care Version 2.0 (CSMCH/SSS/JNU)	Symposium on Sustainability Studies, 26-27th Sept, 2017	15 Teachers+60 Students
	Trans-disciplinary Research Cluster on Plural Health Care: Knowledge, Technology, Practice and Policy.	Critically analysing the Alma Ata Declaration on Health For All of 1978 and developing a perspective and document for the 21st century.	2 Teachers+5 Students
		Contributed to the WHO's call for	8 Teachers+10 Students

		<p>comments on its draft 2nd declaration for PHC. three newspaper articles on the subject.</p> <p>Ongoing work on drafting of a national policy and legal instrument on protection of traditional health knowledge.</p>	
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### 3.6.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers coordinated in such activities	Number of students participated in such activities
<b>ICC- Gender Issue</b>	ICC alongwith Indraprastha Vigyan Bharati and SHAKTI	International Women's Day, 08 <sup>th</sup> March 2018. Theme: "Women for Science: Science for Women" A global celebration supported by UNESCO Venue: Auditorium II, Convention Centre, JNU.	25 (JNU & DU)	250
<b>SM&amp;CH, SSS- Collaborative/sponsored activities</b>	JNu and Northern Region ICSSR	Seminar on sanitation and conservancy workers during 20-21 April 2018 in Convention Centre, JNU.	02	70+

### 3.7 Collaborations

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

Nature of Activity	Participant	Source of financial support	Duration
AOCs	National Institute for Japanese Language and Linguistics, Tokyo, Japan & School of Language, Literature and Culture Studies, JNU	Corpus Fund Interest, JNU	3 yrs
AOCs	Department of Nano Sciences and Engineering of INJE University, Republic of Korea & School of Computational and Integrative Sciences, JNU	do	3 yrs
AOCs	The Nehru Trust for the Indian Collections at the V&A, London, UK & School of Arts & Aesthetics, JNU	do	3 yrs
AOCs	Friedrich Alexander Universitat Erlangen Nurnberg (FAU), Germany, & School of Social Sciences, JNU	do	5 yrs
AOCs	Institute of International Affairs & Department of International Language of Shinhan University, Republic of Korea & School of Language, Literature and Culture Studies, JNU	do	3 yrs
AOCs	ESPM Sao Paulo, Brasil & School of Language, Literature	do	3 yrs

	and Culture Studies, JNU		
AOCs	Faculty of Law & Letters of Ehime University, Japan & School of Language, Literature and Culture Studies, JNU Language, Literature and Culture Studies, JNU	do	3 yrs
AOCs	Birkbeck, University of London, United Kingdom & School of Social Sciences, JNU	do	3 yrs
AOCs	University of Limerick, Ireland & School of Social Sciences, JNU	do	3 yrs
AOCs	Institute of Indian Studies, Hankuk University of Foreign Studies, Korea & Special Centre for E-Learning, JNU	do	5 yrs
AOCs	University of Agder, Norway & School of International Studies, JNU	do	3 yrs
AOCs	Tokyo University of Foreign Studies, (TUFS), Tokyo Japan & School of Language, Literature and Culture Studies	do	3 yrs
AOCs	Anyang City, Republic of Korea & School of Language, Literature and Culture Studies, JNU	do	3 yrs
MOUs	Sciences PO Lyon, France and Student Exchange, France	do	3 yrs
MOUs	Russian State University for the Humanities, Moscow, Russia	do	5 yrs
MOUs	Yunnan University, China	do	3 yrs
MOUs	The Universite Grenoble Aples (UGA), France	do	5 yrs
MOUs	Vilnius University, Lithuania	do	3 yrs
MOUs	Seoul National University, Republic of Korea Student Exchange Programme	do	5 yrs
MOUs	Samarkand State University, Samarkand, Uzbekistan	do	3 yrs
MOUs	University of Colima, Mexico	do	3 yrs
MOUs	Tribhuvan University, Nepal	do	3 yrs
MOUs	Institute of Advanced Sciences, Dartmouth, MA, USA	do	3 yrs
MOUs	Sungkyul University, Gyeonggi-Do, Korea Student Exchange	do	3 yrs
MOUs	Jinan University, China	do	3 yrs
MOUs	University of Florence, Itly	do	5 yrs
MOUs	EL Colegio De Mexico	do	5 yrs
MOUs	University of Bern, Switzerland	do	5 yrs
MOUs	Eurac Research, Bolzano/Bozen, Itly	do	3 yrs
MOUs	Indraprastha PGRI Univesity, Jakarta, Indonesia	do	3 yrs
MOUs	Universidad Catolica Del Maule, Chile	do	3 yrs
MOUs	University of Technology, Sydney, Australia	do	5 yrs
MOUs	Yunnan Academy of Social Sciences / the Chinese (Kunming) Academy of South and Southeast Asian Studies, China	do	3 yrs
MOUs	University of Rouen, Normandy, France	do	3 yrs
MOUs	Hankuk University of Foreign Studies, Korea	do	5 yrs
MOUs	Yunnan Minzru University, China	do	3 yrs
<b>Workshop</b>	<b>CITD, SIS</b> – 18 International participants held at JNU.	ICSSR, DAAD	04-08.12.17
	<b>SCIS</b> – 04 participants from Scientific Winter School at Heidelberg University, Germany from 29.01.18	Heidelberg University, Germany	10 days
Research Collaboration	<b>SES</b> – Prof. Saurabh Das, Jadavpur Univ., Kolkata, Prof. Diwan S. Rawat, Delhi Univ., Delhi		
DAAD Sandwich Ph.D. Fellowship	Arindam Mandal	DAAD Germany	01.10.2017-30.09.2018

Commonwealth Split Site Ph.D. Fellowship	Monica Sharma S.	Commonwealth UK	01.11.2018-30.04.2019
CHARIS Project Meeting	A.L. Ramanathan, Mohd. Soheb and Thupstan Angchuk	CHARIS USA	04.06.2018-08.06.2018
Indian Arctic Expedition	A.L. Ramanathan and Somdutta Mishra	NCOAR Goa (MoES, India)	06.09.2018-04.10.2018
Joint Research Project	JNU, AIIMS, PHFI, Gurugram, Diabetis Centre, Chennai, Emory, University Atlanta, USA, Harvard University, USA with AMU, Aligarh.	Internal funds no outside funding	
Placement Programme	<b>SBT</b> – Sonal Gupta participated at Newton Bhabha Ph.D. Placement Programme at University of Cambridge	Project	04 months
Field Work	<b>CES, SIS</b> - Jammuanching, Sayantan Ghosal, Swati Ngurang Reena	University of Agder, UGC-DAAD	06 months, 02 months
Writing course Materials for MA programmes in Linguistics	<b>CL, SLL&amp;CS</b> - Teachers of Linguistics	UGC	2018
<b>CHS, SSS</b>			
Lecture Series	Atwal, Jyoti - Jointly organised the first Irish Studies Lecture Series at the Centre for Historical Studies, School of Social Sciences, Jawaharlal Nehru University in Collaboration with Embassy of Ireland and University of Limerick at Convention Centre, JNU on 7th November 2017.	University of Limerick and Embassy of Ireland	
Exhibition	Atwal, Jyoti - Organized a reproduction of the exhibition on 'Hunger Strikes in Ireland: 1871-1981' at JNU. Courtesy: Dr Ciara Breathnach (main curator), Niall Begin (Kilmainham Jail, Dublin) and Dean, Faculty of Arts, Humanities and Social Sciences, University of Limerick.		
Visit of Delegation	Atwal, Jyoti - Organised a visit of Ms Mitchell-O'Connor, Hon'ble Minister of State for Higher Education, Ireland and University of Limerick delegation to JNU on 23rd Feb 2018 to hand over the new Irish history books at CHS.		
Workshop	Atwal, Jyoti Organised a day long workshop cum roundtable on Incriminating Women: Abandonment, Prisons and Witchcraft in India and Ireland in Historical and Contemporary perspectives, at JNU	UGC-CAS-CHS and University of Ulster, UK	23rd March 2018
Lecture	Atwal, Jyoti - Delivered 2 <sup>nd</sup> V V Giri Memorial Lecture ' <i>Magaret Cousins (1878-1954) in India and Ireland: Revisiting Suffragettes, National Ideals and Anti Imperialist Politics</i> ' at University College Dublin, Ireland	University College Dublin, Ireland	May 2018
International Symposium	Atwal, Jyoti - Co organised along with Prof Eunan O'Halpin, Prof Catherine Lawless and Prof Ciara Breathnach- an international symposium on Female Enfranchisement and its Limitations at Trinity College Dublin, Ireland	Trinity College Dublin, and University of Limerick	29-30 May 2018
Conference	Mahajan, Sucheta - Jointly organised a Conference 'Partition and Borders: A Comparative and Inter Disciplinary Conference' at University College of Dublin	University College Dublin	24 -25 May 2018
Visiting Scholar	Puneeta - Visiting Scholar	International Strategy Award, University of Limerick	Oct-Nov 2017

<b>3.7.2 Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the year</b>				
Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	participant
AoC	AoC	CCUS&LAS, SIS- Centre of Asian Studies, Associacao Escola Superior de Propaganda E Marketing (hereinafter "ESPM"), Sao Paulo, Brazil.	2018-2021	Dr. Priti Singh and Dr. Aparajita Kashyap of CCUS&LAS, SIS and Ambassador Fausto Godoy, Centre for Asian Studies, ESPM
<b>3.7.3 MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year</b>				
Organisation	Date of MoU signed	Purpose and Activities	Number of students / teachers participated under MoUs	
<b>International</b>				
AKS (Academy of Korean Studies), Korea	2017-2018	AKS Summer Programme	Total 11 students participated	
Centro Internacional De Ciencias A.C. Mexico	do	To deliver a lecture at the International Conference		
University of Louvain, Belgium	do	International workshop on foreign language teaching		
Moscow Region State University, Moscow, Russia	do	Summer school		
University of Cologne, Germany	do	Take part in Summer Institute Cologne		
University of Zurich, Switzerland	do	Student exchange programme		
University of Zurich, Switzerland	do	Student exchange programme		
University of Cologne, Germany	do	Participation at the prestigious Summer Institute Cologne		
Moscow State Regional University	do	To visit Moscow University		
Moscow State Regional University	do	To visit Moscow University		
KU Leuven	do	Field trip under		
<b>National</b>				
AOC between JNU and Centre for Indic Studies, Indus University, Ahmedabad	2017-2018	For promoting cooperation in education and academic research in Indian knowledge system (IKS) and associated disciplines.	-	
MOU between JNU and Mahatma Gandhi University, Nalgonda (T.S.)	Do	Cooperation and friendship which is intended to further academic objectives of each institution.	-	
AOC between JNU and Vedic Research Centre, Kanya Maha Vidyalaya, Jalandhar	do	For promoting cooperation in education and research.	-	

<b>Others</b>			
<b>SCIS-</b> INJE University Republic of Korea Centro Internacional De Ciencias AC, Mexico	2017	Promoting cooperation in education and academic research	01
<b>SS&amp;IS-</b> Yogyakarta State University, Indonesia Cambridge University Press, India Pvt. Ltd. University of Cologne, Germany Yerevan State University, Armenia Russian State University for the Humanities, Moscow, Russia University of Florence Indraprastha PGRI University, Jakarta, Indonesia Sanchi University of Buddhist-Indic Studies Vietnam National University Hanoi Lumbini Buddhist University Lumbini, Nepal	continue	-	-
<b>CESP, SSS-</b> Exmi Bank	10.08.2018	Scholarship to two top meritorious students as well as to the topper among the reserved category students of MA (Eco) 1 <sup>st</sup> Yr.	100%
<b>CHS, SSS-</b> AOC with Faculty of Arts Humanities and Social Sciences of University of Limerick, Ireland	November 2017	Exchange of faculty, Research Scholars and students Exchange of information and materials in those fields which are of interest to both parties Collaborative research, lectures and symposiums etc Joint supervision of Ph.Ds Joint cultural programmes	
AOC with University College Dublin, Ireland	March 2018	Exchange of faculty and students Exchange of information and academic materials Participation in seminars and academic meeting Joint research activities Special short term academic programmes Exchange of administrative managers/coordinators Joint cultural programmes	
<b>CRS, SLL&amp;CS-</b> MVL, Moscow State University, Russia	01.06.2018	Research & Field Work	Teachers-02, Students-02
<b>CPS, SSS-</b> EURAC, BOLZANO, Italy	May 2018	Research Collaboration between JNU and EURAC	-

<b>CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES</b>				
<b>4.1 Physical Facilities</b>				
<b>4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year</b>				
School/Centre	Budget allocated for infrastructure augmentation		Budget utilized for infrastructure development	
SPS	UPE-II, UGC-DSA II, DST FIST = 9,90,83,000/-		3,49,74,134	
<b>4.1.2 Details of augmentation in infrastructure facilities during the year</b>				
Facilities	Existing		Newly added	
Campus area	1019.38 Acres		-	
Class rooms	164 nos.		03 nos.	
Laboratories	217 nos.		06 nos.	
Seminar Halls	16 nos.		-	
Classrooms with LCD facilities	All CITD, SIS – 03 CIPOD, SIS – 03 SPS – 04 SES – 05 SBT – 02 CESP, SSS – 02 CL, SLL&CS-02		All	
Classrooms with Wi-Fi/ LAN	All CITD, SIS – 03 SPS – 04 SES – 05 SBT – 02 CESP, SSS – 03 CL, SLL&CS-02 CES, SLL&CS-03		All	
Seminar halls with ICT facilities	All CITD, SIS – 04		All	
Video Centre	-		Established video conferencing facility at 07 location.	
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	SPS – 59		12	
Value of the equipment purchased during the year (Rs. in Lakhs)	SPS – 3,99,82,000		39,89,592	
Others				
<b>4.2 Library as a Learning Resource</b>				
<p><b>University has a well structured integrated library management system open to both faculty and students. Centres have their own library also for its own students and faculty. Website: <a href="http://lib.jnu.ac.in">lib.jnu.ac.in</a></b></p> <p><b>CITD, SIS</b> – The centre has its own library in Economics with a number of books for the use of its own research students and faculty of the centre/department.</p>				
<b>4.2.1 Library is automated {Integrated Library Management System (ILMS)}</b>				
School/Centre	Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Central Library	VIRTUA	Fully	1.140.3	2005
SPS	VLTS			

<b>4.2.1 Library Services:</b>						
	Existing		Newly added		Total Value	
	No.	Value	No.	Value	No.	Value
Text Books / Reference Books	497606		1111+2631	2533690	501348	
e-Books	122250	15503999	30	170036	122281	15674035
Journals	45	546950	nil	nil	45	546950
e-Journals	nil	nil	nil	nil	-	-
Digital Database	27	20797628.43	nil	nil	27	20707628
CD & Video	02	483462	02	58194	04	541656
Library automation						
Weeding (Hard & Soft)						
Others (specify)	Radio presentation on the following topic (Mukta vidya vani) Library System Staff development in libraries Total no. of M.Phil + Ph.D. Theses = 25416					
<b>4.2.2 E-content developed by teachers such as: e-PG-Pathshala, CEC (under e-PG-Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives &amp; institutional (Learning Management System (LMS) etc.</b>						
Name of the teacher	Name of the module		Platform on which module is developed		Date of launching e - content	
Central Library			Reference services		05.06.2018	
			Overview of information sources		22.06.2018	
			Organisation of Library material		10.07.2018	
			Five laws of library science		16.07.2018	
			Arrangement and Maintenance of Library Materials		03.08.2018	
<b>SBT –</b>						
Devapriya Choudhury	Paper No. : 06 Computational Biology Module :02 Sequence Analysis –I: Two sequence alignment		ePG Pathsala		Jan-2018-Aug-2018	
Devapriya Choudhury	Paper No. : 06 Computational Biology Module :03 Sequence Analysis –II – Multiple sequence alignment		ePG Pathsala		Jan-2018-Aug-2018	
Devapriya Choudhury	Paper No. : 06 Computational Biology Module :04 Database Searching- Text Search and BLAST		ePG Pathsala		Jan-2018-Aug-2018	
Devapriya Choudhury	Paper No. : 06 Computational Biology Module :05 Pattern Recognition Methods in Sequence Analysis-I		ePG Pathsala		Jan-2018-Aug-2018	

Devapriya Choudhury	Paper No. : 06 Computational Biology Module :06 Pattern Recognition in Sequence Analysis -II	ePG Pathsala	Jan-2018-Aug-2018
Devapriya Choudhury	Paper No. : 06 Computational Biology Module :15 Molecular Modeling	ePG Pathsala	Jan-2018-Aug-2018
Devapriya Choudhury	Paper No. : 06 Computational Biology Module :16 Prediction of 2D & 3D structure of Proteins-I	ePG Pathsala	Jan-2018-Aug-2018
Devapriya Choudhury	Paper No. : 06 Computational Biology Module :17 Prediction of 2D & 3D structure of Proteins-II	ePG Pathsala	Jan-2018-Aug-2018
B. S. Balaji	Bio-Organic Chemistry 1	JNU- e-learning (LMS)	07-Sept-2018*
B. S. Balaji	Organic Chemistry 1	SWAYAM-UGC	On going
B. S. Balaji	Organic Chemistry 1	SWAYAM-CEC	On going
<b>CSSE&amp;IP, SSS-</b> Prof. Y.S. Chinna Rao	Mitigating Social Exclusion through Social Interaction	E-Pathshala Quadrant-I (e-text)	Nov.2017

### 4.3 IT Infrastructure

#### 4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available bandwidth (MGBPS)	Others
Existing	2500							20 Gbps (10G+10G)	
Added	300								
Total	2800							20Gbps	

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

20 Gbps (10G + 10G links)

#### 4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
	<a href="http://lms.jnu.ac.in/moodle/">http://lms.jnu.ac.in/moodle/</a>

### 4.4 Maintenance of Campus Infrastructure

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

Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities

**4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)**

**CITD, SIS** – Use of Econometrics lab and library are monitored and supervised by the centre.  
**CESP, SSS** – Centre maintains computer labs which house a large number of computers connected to the JNU network as well as to a centralized server that provides access to CESP data repository. The CESP data repository is also available to all users in JNU over JNU internet. In addition, the centre has created a reading room with wi-fi connectivity for the use of students. It has been recognised as a centre for advanced studies by the UGC under its SAP/DSA scheme. The CAS funds are used for purchase of books and databases for obtaining technical services, for field work for holding conferences and seminars and for upgrading infrastructure.

**CRITERION V - STUDENT SUPPORT AND PROGRESSION****5.1 Student Support****5.1.1 Scholarships and Financial Support**

	Name / Title of the scheme	Number of students	Amount in Rupees
<b>Financial support from institution</b>	CITD, SIS- UGC Non-Net – 13, JRF (UGC) - 09	22	Rs.5K for non net 25K + 10K annual contingency for JRF
	CCSAS, SLL&CS- MCM, ESCORT, Non NET	48+03+05	Rs.2K, 3K, 5K p.m.
	CILS, SIS- UGC JRF, UGC non net, RGNJRF	05, 13, 01	Rs.25K, 5-8K, 25K
	SPS – Corpus fund	06	Rs.190770/-
	SLS-Merit cum means fellowship	15	Rs.800/- & 2000/-
	SCSNEI-UGC Non Net	13	Rs.9,24,000/-
	SES (Corpus Fund)	11	Rs.2.6 Lacs
	SAA – JRF, SRF	16, 6	-
	SBT - DBT	23+11	-
	CESP, SSS - MCM	12	Rs.24,000/- per student per annum
	CCUS&LAS, SIS- UGC Non Net, UGC Net JRF, UGC Net SRF	24, 12, 05, 06	Rs.5K, 8K, 25K, 28K p.m.
	CES, SIS-Non-Net Fellowship, Special Fellowship	36, 01	Rs.5K, Rs.12K p.m.
	CSSE&IP, SSS-UGC Non Net	41	Rs.27,66,000/-
	CRS, SLL&CS-MCM, ESCORT, UGC-Non Net, JRF	95, 02, 09, 23	Rs.2K, 3K, 5K, 25K p.m.
	CES, SLL&CS-UGC Non Net	48	Rs.5K, Rs.8K p.m.
	CGS, SLL&CS-UGC-JRD, MCM	12, 51	Rs.25K, Rs.2K p.m.
	CP, SSS-JNU MCM, Non net Fellowship (M.Phil/Ph.D.)	12, 25	Rs.2K, Rs.5K, Rs.8K p.m.
CJS, SLL&CS-MCM	MS-42, WS-26	Rs.2K p.m.	

**Financial support from other sources**

a) National	CCSAS, SLL&CS – UGC-JRF	01	Rs.25K p.m.
	JRF/SRF from funding agencies	106	Rs.25K+HRA / Rs.28K+HRA
	SCSNEI-ICSSR, JRF, SRF	2, 3, 2	Rs.5,28,000/-, 9,00,000/-, 67,2000/-
	SAA – ICSSR, MCM & Non Net, SYLFF	02, 86, 01	MCM & Non Net- Rs.4,42,000/-p.m.
	CISLS, SSS-MCM, Non Net Fellowship, JRF, ICSSR Fellowship, Single Girl Child, Sam Mayo Fellowship	27, 14, 03, 01, 01, 01	-
	CES, SIS-UGC-JRF/SRF, ICSSR	12, 01	Rs.25K, Rs.28K, Rs.16K p.m.
	CSSE&IP, SSS- ICSSR, RGNF, SRF, JRF, Kerala Govt.	01, 02, 01, 10, 02	1,92,000/-, 6,00,000/-, 3,36,000/-, 30,00,000/-, 4,50,000/-
	CJS, SLL&CS-Shinnyoen Scholarship	08	Rs.1,44,000/-
b) International	<b>CSSE&amp;IP, SSS-</b> 1. Charles Wallace India trust grant fellowship 2018, 2. Heyning Roelli Foundation, Switzerland	01, 01	Rs.1,30,000/-, 3,35,000/-

<b>5.1.2 Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,</b>					
School/Centre	Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved	
CITD, SIS	Remedial coaching programme	In every academic year beginning of winter semester (15.01.18)	12	UGC remedial coaching programme for SC/ST/OBC and non-creamy layer of the students	
CCSAS, SLL&CS	Remedial Classes	28.10.2017	32	-	
CCUS&LAS, SIS	There are informal consultations with faculty on all the issues and concerns raised by students. Student Faculty Committee discusses academic activities and output. Remedial classes in the subject are offered for those who need skills in academic comprehension, writing and presentation. Students are encouraged to participate in the research consultancy with their supervisor. Research Advisory Committee (RAC) meetings for each student designed to help with the thesis/dissertation is held atleast once in a semester. Personal counselling is also done by the faculty to the students who require it.				
CRS,SLL&CS	Remedial Language Lab	Monsoon & winter Monsoon & winter semester	28+28 134+134	CRS, SLL&CS	
CGS, SLL&CS	Remedial Coaching, Language Lab, Student Mentor	2009 2002 1990	Open to all students - Faculty appointed as mentor	CGS, SLL&CS	
<b>5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year</b>					
Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
<b>5.1.4 Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year</b>					
Total grievances received		No. of grievances redressed		Average number of days for grievance redressal	
GSCASH 28 + 31* (*31 cases of erstwhile GSCASH were transferred to ICC vide supreme court's order dated 23.04.18.)		17 + 4* (erstwhile GSCASH cases)		90 days	

EOO 04	02	30
<p><b>CCUS&amp;LAS, SIS</b>-Centre has 02 members grievance committee to look into grievances of individual students. If any student is not satisfied with the decision at the centre level he may go to school level grievance committee. There is also Internal Complaints Committee (ICC) at the University level under UGC. There is also Chief Proctor's office to handle complaints of students on a timely basis.</p>		

## 5.2 Student Progression

### 5.2.1 Details of campus placement during the year

On campus				Off Campus		
School/Centre	Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Name of Organizations Visited	Number of Students Participated	Number of Students Placed
CITD, SIS	EXL, Wells Fargo, CRISIL, Landmark, CHEROS	30	12			

### 5.2.2 Student progression to higher education in percentage during the year

School/Centre	Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
SLS		Most of our M.Sc. students opt for Ph.D. programs at various institutes of national repute. Few goes abroad for the same. Ph.D. recipients either go abroad for further research or take teaching/research jobs within the country.				
CISLS, SSS	2018	01			Oxford University	Ph.D. Programme

### 5.2.3 Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	No. of Students selected / qualifying	Registration number/roll number for the exam
NET	SES – 25 SAA – 07 CCUS&LAS, SIS-06 CES, SIS-03 CES, SLL&CS-27 CGS, SLL&CS-06 CP, SSS-08 CMS, SSS – 07 CFFS, SLL&CS-03	<b>CCUS&amp;LAS, SIS-</b> Roll No.29018760, 15011434, 15004206, 15072776, 15029606, 15060412 <b>CES, SIS-</b> 15019302, 15060668, 60004940 <b>CP, SSS-</b> Roll No. 110018059, 73500, 56081, 29840, 22992, 26741, 20132 CMS, SSS-30790, 22776, 26384, 29702, 29292, 821753, 805744
SET		
SLET		
GATE		
GMAT		

CAT		
GRE		
TOFEL		
Civil Services		
State Government Services		
Any Other	CITD, SIS – Odisha Public Service Commission appointment of lecturers for degree colleges	Mr. Anshuman Kamila

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

Activity	Level	Participants
<b>Cultural Activities</b>		
Rang Rasiya Photography contest & workshop	Graduate & PG level, Research Scholars	students
Rang Bayaar (Drama Club)		
Debate Competition (Debate Club)		
Visit to an NGO (UNESCO Club)		
Film Screening (Gandhi) (Film Club)		
Film Screening (Lakshay) (Film Club)		
Film Screening (Mangal Panday) (Film Club)		
JNU & SPICMACAY Koodiyattam Dance		
Nature Walk (Sanjay Van) (Nature & Wildlife Club)		
JNU & SPICMACAY Rajan & Sajan Mishra (vocal)		
Documentary Film Screening (Film Club)		
Virasat (Musical prog./workshops) (JNU & SPICMACAY)		
Trek to Kheer Ganga (Nature & Wildlife Club)		
JNU Annual Cultural Fest – Melange		
JNU & SPICMACAY Bombay Jayashree (vocal)		
Public Lecture – Human Trafficking (Literary Club)		
Poster Making Competition – World Water Day (Nature & Wildlife Club)		
Book Release – Jivan Ka Geet (Literary Club)		
Activity	Level	Participants
<b>Sports Activities</b>		
Annual Badminton Workshop and fresher's tournament	Institutional level	38
Session on "Nutrition in taekwondo" at JNU Taekwondo Club on 22.8.2017.	Institutional level	26
Session on Nutrition for trekking: role of fruits, 24.09.2017	Institutional level	41
Organized Staff-Sports Meet 2018	Institutional level	80
Summer Basketball and Athletics Coaching Camp held at the sports complex from 17.05.2018 to 23.06.2018 from 6.30 am to 8.30 am.	Institutional level	80

#### 5.3 Student Participation and Activities

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

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student
6.01.2018 to 15.01.2018	Gold medal	National	Power lifting		58693-Regn No.	Surya Prakash-Center for Sanskrit Studies
6 to 15.01.2018	Silver medal	National	Judo		58693-Regn No.	Surya Prakash-Center for Sanskrit Studies
22.03.2018 to 23.03.2018	Gold medal	National	100m		33370-regn no.	Jeetu Kanwar-CSMCH
22.03.2018 to	Gold medal	National	200m		33370-regn	Jeetu Kanwar-CSMCH

23.03.2018					no.	
22.03.2018 to 23.03.2018	Gold medal	National	Long Jump		33370-regn no.	Jeetu Kanwar-CSMCH
18.03.2018 to 20.03.2018	Bronze Medal	International	100 m		58026- Regn no	Nidhi Mishra-CHS
18.03.2018 to 20.03.2018	Bronze Medal	International	Shot Put		58026- Regn no	Nidhi Mishra-CHS

### **CSSE&IP, SSS-**

2017-18	National tournament: PCI, 5 (3 gold and 2 silver) medals.  International tournament: UAE open grand prix, medals 2.  International: indian open, 3 gold medals	Nationals PCI.  International: Indian open 2018.  International Fazza and Sharjah open grand prix UAE.	discus throw, relay 4*100 and 4*400.	Paper presentation at jammu university  Paper publication on caste discrimination IJASS	29636	Nidhi Mishra

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

#### **SCNS:**

3<sup>rd</sup> prize to Deepika Chauhan for oral presentation entitled "Amino acid functionalized Gadolinium Oxide nanorods (Gd<sub>2</sub>O<sub>3</sub> NRs) immunosensing platform for Vitamin-D<sub>3</sub> detection" in International conference on Nanobiotechnology at Jamia Millia Islamia, New Delhi, during February 5-6, 2018.

Best poster award to Tamal Sarkar on "Synthesis and characterization of carbon dots and their biomedical applications" Science day, 28 February 2018 at JNU, New Delhi.

2<sup>nd</sup> prize to Pramod K. Gupta for oral presentation entitled "One-Step Synthesized aminated Carbon-Zirconia nanocomposite Based Immunosensing Platform for Ochratoxin Detection in International conference on Nanobiotechnology at JamiaMilliaIslamia, New Delhi, during February 5-6, 2018.

1<sup>st</sup> prize to Namrata Pachauri for poster presentation entitled "Non-invasive oral Cancer biomarker detection using CeO<sub>2</sub> planted RGO based platform" in International conference on Nanobiotechnology at JamiaMilliaIslamia, New Delhi, during February 5-6, 2018.

1<sup>st</sup>prize to Pramod K. Gupta for best oral presentation entitled "One pot synthesized zirconia nanoparticles embedded in amino functionalized amorphous carbon for electrochemical immunosensor" in "Research Scholars Day 2017" held at National Institute of Technology (NIT), Delhi, India.

Best Poster Award to Radhakrishnan V.S. for poster presentation titled "Combating multidrug resistance (MDR) in pathogenic fungi, Candida: A nano-based approach" in National Science Day Festival organized at Jawaharlal Nehru University on 28 February, 2018.

### **5.4 Alunmi Engagement**

#### **5.4.1 Whether the Institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words)**

Yes. Alumni Association of JNU (AAJ) has been functioning since 2003. The University also maintains an Alumni Affairs Office in which all the former students of JNU are registered.

#### **5.4.2 No of Registered Alumni: 5744**

#### **5.4.3 Alumni contribution during the year (in Rupees):**

-

#### **5.4.4 Meetings/activities organized by Alumni Association:**

The Alumni office organized a number of activities during the year, to develop Alumni Network of JNU. It included the following:

A lecture titled "Renewable Energy: A Paradigm Shift in India" was delivered by alumni Sh. Upendra Tripathy, Secretary, Ministry of New Renewable Energy, Government of India, 29 August, 2016. Alumni Affairs Office organized a seminar "Women Entrepreneurs and Innovators on Entrepreneurship with Empowerment", in the Committee Room of the JNU Convention Centre, 19 April, 2017.

Efforts are being made to make website interactive to all alumni.

AAJ Historians meet: Among the series of Alumni Association of JNU (AAJ), events the first event of this year was AAJ historians meet held on 29 January, 2017. The theme of this event was History of Our Times. The aim and objective are to foster close bonds among JNU alumni across the globe as also between the JNU alumni and the University, who are spread over across the country and abroad holding key positions. At present, 7 Members of Parliament are JNU alumni; two are holding ministerial positions. JNU takes pride in the achievements of its alumni. Website: <https://jnu.ac.in/aa-j-events>)

<b>CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT</b>
<b>6.1 Institutional Vision and Leadership</b>
<b>6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words)</b>
<p><b>1. Institutional Ranking Framework Committee</b>  Off late there have been more than one ranking and accreditation universities are undergoing through. To name a few, NIRF/QS Ranking/THA Ranking and Atal Innovation Ranking. In addition to NAAC accreditation these 04 rankings stands different yet important for improving the teaching learning evaluation and in general performance of university, thus, the JNU IQAC has made the subject Committee with assigned task of data collection, data arranging, data analysis, data presentation and after approval participating into the process of linking. Teachers from various centres and schools are being considered to play roles in above mentioned aspects and to assure that the authentic validated information will be submitted while participating in ranking.  JNU has recently been identified as a Mentor to guide/encourage 5 Mentee higher education institutions from India to accomplish their NAAC accreditation. Towards the same, the IQAC has almost identified 5 such institutions/colleges from the National Capital Region so to guide on more frequent basis and in smooth manner.</p> <p><b>2. Transparency in Research Publication and Evaluation</b>  JNU assures unanimity and transparency while research is carried out either in the laboratory or on field. Extensive and careful use of TURN IT IN software had various steps to assure there will be no redundancy or unless required no similarity in the text that will make a part of research publication. The publication that comes from JNU are assured to be nearly free from similarity index.  Recently JNU has been identified as the Nodal University fir the Northern Region while making the list of authentic journals to be ratified by the UGC. UGC CARE Journal Portal is open and the Director IQAC has been identified as the Nodal Officer for the same. We hope through the CARE Journal Portal JNU will play an immensely important role in improving the quality research publications of India in the global competition.</p>
<b>6.1.2 Does the institution have a Management Information System (MIS)?</b>
<b>Yes/No/Partial:</b>
Partial
<b>6.2 Strategy Development and Deployment</b>
<b>6.2.1 Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):</b>
<p>❖ <b>Curriculum Development–</b>  CITD, SIS– Courses taught at the centre/department are updated and revised by the respective course incharge every academic year.  SAA- School offers an innovative curriculum that constantly evolves in keeping with new developments and publications.  CESP, SSS – Updation of MA and M.Phil courses are done on regular basis as and when required. The department conducts presentations, term papers, viva voce, written examinations in each semester.  CCUS&amp;LAS, SIS- Courses (both existing and newly introduced) are developed by a discussion on the curricula in the Centre’s Centre Committee Meetings. Courses are approved after thorough discussion and deliberation. Strategies are devised to meet the goals of the course that involves continuous updating of the developments in the field. Since the Centre’s programmes are in the field of area studies, they are both inter-disciplinary and multi-disciplinary in nature. Joint faculty seminars and inputs from the seminars are also added from time to time into the course.  CES, SLL&amp;CS- Different courses are offered every semester from a large pool of approved courses. The course content is regularly revised and updated. A new course ES501E: Dissertation introduced in 2017-</p>

18.

❖ **Teaching and Learning–**

**CITD, SIS–** The faculty of the centre takes maximum of classes using overhead projectors for better demonstration of examples given in the classes, which helps the students to easily go through the subject under discussion. Students also write term papers, complete assignments and make class presentations.

**SAA-Workshops,** field trips, site visits, site seminars, intensive critical writing workshops, curatorial workshops and exhibitions curated by students, film festivals, interaction with practitioners and mounting of performances are all part of the curriculum giving students learning experiences beyond the classroom.

**CCUS&LAS, SIS-** Remedial courses are offered by the School / Centre to improve the learning of students from the Centre. Tutoring and mentoring are done on an individual basis by supervisors and faculty of the Centre for academic purposes. Quality improvement strategy for teaching includes use of computer based teaching e.g. PPTs and use of documentaries and films in addition to regular lectures / seminars / conferences. Students are asked to present papers for the courses and also in seminars, to build and further enhance their capacity.

**CES, SLL&CS-** The use of audiovisual material, seminar format of discussions, interdisciplinary methods and resources.

**CMS, SSS-**Continuous evolution, supervision.

❖ **Examination and Evaluation–**

**CITD, SIS-** As per the University during every academic year the centre conducts at least one mid term and one end semester examination. The students are also be given assignments. The evaluation is based on the written assignments, examinations, term papers and sometimes class presentations.

**SAA-** Rigorous and continuous examination, oral and written practice through the semester. Students get training in making presentations as well as for writing exams.

**CCUS&LAS, SIS-** As per the University rules. M.Phil. course work contains book reviews, mid-semester examination, term papers, presentation of the same and end semester examination. Evaluation is on credit point basis. Masters courses also follow the same pattern.

**CES, SLL&CS-** Open book exams, regular written assignments, feedback on written work.

**CMS, SSS-**Students presentations on thesis/seminar

❖ **Research and Development-**

**CITD, SIS–** The faculty pursue research, theoretical as well as empirical/analytical in a diverse set of fields including international trade, development, health, agriculture, technology, clean energy, law and economics etc.

**SAA-** is a highly research active school with a large number of publications and conference presentations not just by faculty but by students as well. Major UPE project which examines globalization and the arts.

**CCUS&LAS, SIS-**Research Methodology is compulsorily taught to all students of the Centre by all the faculty of the Centre. Secondly, field trips are undertaken by both faculty and students in pursuit of their research.

**CES, SLL&CS-** Steps for strengthening the doctoral programme are currently under way. Regular presentations by students, and the setting up of research advisory committees and a research forum are part of this.

**CMS, SSS-**Student initiative / writing research papers

❖ **Library, ICT and Physical Infrastructure / Instrumentation-**

**CITD, SIS-** Centre has its own library and computer based econometrics laboratory. The computer lab is equipped with statistical & econometric software. The library contains reference material for the syllabus and reference books.

**SAA-** 49 books were purchased for SAA library.

**CCUS&LAS, SIS-**The School has a small library with some reading reference material, along with the University Central Library. JNU Centre Library has been providing remote access for several databases / research which are open to all faculty and students. Students are provided computer access in the School / Centre.

**CES, SLL&CS-** The Centre has a library supported by SAP. One of the classrooms is equipped with a

projector.					
❖ <b>Human Resource Management-</b> Personnel being posted at various posts as per their specializations/experience & functional requirement of the University to get maximum output. Further, officials are being rotated / transferred internally for giving them maximum exposure/grooming.					
❖ <b>Industry Interaction / Collaboration-</b> <b>CITD, SIS</b> – The centre has an integral activity of the DAAD (German Academic Exchange Service) sponsored and funded project on Comparative Economic Development Studies under the agreement of cooperation between JNU and HTW, Berlin with other seven countries. <b>SAA-</b> Yogyakarta State University, Indonesia, Vytautas Magnus University, Lithuania, University of Lisbon, Portugal, Brown University, Providence, Rhode, University of Cologne, Warwick University. <b>CCUS&amp;LAS, SIS-</b> Members are given an opportunity for interacting with think tanks, Embassies, MEA, other Government agencies and International Institutions like the UN. <b>CES, SLL&amp;CS-</b> The Centre has several collaboration initiatives with various universities from across the world. <b>CMS, SSS-</b> Involvement with outside agency.					
❖ <b>Admission of Students:</b> JNU has adopted 100% online systems of admission process wef the Academic Session 2017-18. This has not only reduced the manual work load of admission process, but also reduced time consumption and increased efficiency and accuracy in handling the admission process and declaration of results. As has been the practice of the University, JNU makes wide publicity of admission notification in News Papers (Both regional and national dailies), in the Employment News, on the website of the University and circulation of admission pamphlets to all Indian Universities for information to the pursuing students of respective Universities/Institutions. This has resulted in increase in the number of applicants from different background. The candidates can now apply online which is less time consuming and hassle free. Further, on being selected in the entrance examination, the process has been made easier and convenient by enabling online payment of fees and blocking of seats. For attracting the foreign students, admission notification is circulated to all foreign embassies in India and Indian foreign embassies for admission in JNU. Casual students from foreign university are permitted to audit the courses. (not leading to award of any degree).					
<b>6.2.2: Implementation of e-governance in areas of operations:</b>					
❖ <b>Planning and Development -</b>					
❖ <b>Administration</b> – Yes. E-office. CITD, SIS- Maximum work of the centre has been completed through e-governance.					
❖ <b>Finance and Accounts</b> – Yes, Tally & ComDDO					
❖ <b>Student Admission and Support</b> – Yes. (Online Admission & Student Life Cycle Management Software) CITD, SIS – The admission process of the university has been completed under the one window through e-governance.					
❖ <b>Examination</b> – Yes (Student Life Cycle Management Software)					
<b>6.3 Faculty Empowerment Strategies -</b>					
<b>6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year</b>					
School/Centre	Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
SPS	17-18	Dr. Tanuja Mohanty	Attended conference at PRL, Udaipur		7096
		Prof. Subhasis Ghosh	Attended international conference at BSBA Lucknow		6885
		Dr. Kear Singh	Delivered a talk at NCTP		14465

			Tamilnadu		
		Dr. Pijus Kumar Sasmal	Attended refresher course at Jamia Millia Islamia		1000
		Dr. Rabindra Nath Mahato	Attended refresher course at Jamia Millia Islamia		1000
		Dr. Sobhan Sen	Attended conference at IIT Guhati		14042
		Prof. Subhasis Ghosh	Attended International conference at IIT Delhi		5150
		Dr. Ved Prakash Gupta	Attended International conference at IIT Bhubneswar		9076
		Dr. Sobhan Sen	Attended International conference at SINP Kolkata		7789
		Dr. Poonam Mehta	Attended conference at Kolkata		10000
CCU S&L AS, SSS	June 2018	Prof. K.P. Vijayalakshmi	The Space Situational Awareness-Strategic Challenges for India jointly organised by National Institute of Advanced Studies (NIAS) and Secure World Foundation (SWF)	National Institute of Advanced Studies (NIAS)	16,850/-
CRS, SLL& CS	2017	Dr. Ashutosh Anand	International workshop by Indology Dept. Sofia University, Bansko	Jawaharlal Nehru University	80,000
CP, SSS		Ajay Verma	Re-learning to be Human for Global Times: Understanding the meaning of being Human across Cultures, Catholic University of America, Washington, DC. USA. Sep.2017.	European Society for Analytic Philosophy	Rs.80,000/-
		Bhaskarjit Neog	Guilth Feelings in Collective Context.		Rs.80,000/-

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

Year School / Centre	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
CITD, SIS	The orientation programme and e-training programmes have been arranged by the University for teachers from time to time.	The University has arranged training programmes for the non-teaching staff from time to time as and when required.			02

**6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year**

Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
106 <sup>th</sup> Orientation Programme	46	31.07.17-25.08.17
107 <sup>th</sup> Orientation Programme	37	04.09.17-29.09.17

108 <sup>th</sup> Orientation Programme	46	09.10.17-03.11.17
109 <sup>th</sup> Orientation Programme	57	08.01.18-02.02.18
38 <sup>th</sup> Refresher Course in sociology	37	31.07.17-25.08.17
52 <sup>nd</sup> Refresher Course in Economics	42	04.09.17-29.09.17
1 <sup>st</sup> Refresher Course in Lang. Literature & Culture Studies	52	08.01.18-02.02.18
1 <sup>st</sup> Refresher Course in Teachers Educators	45	26.03.18-20.04.18
2 <sup>nd</sup> Refresher Course in Women's Studies (Inter Disciplinary Course)	47	09.10.17-03.11.17
1 <sup>st</sup> Refresher Course in Liberal Arts (Inter Disciplinary Course)	52	26.03.18-20.04.18
1 <sup>st</sup> Short Term Programme on Research Methodology	41	06.03.18-10.03.18
1 <sup>st</sup> Short Term Programme on Gender Sensitization	32	06.03.18-10.03.18

#### 6.3.4 Faculty and Staff recruitment (no. for permanent / fulltime recruitment):

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime
579	579	As per recruitment rules.	

#### 6.3.5 Welfare schemes for

Teaching	
Non teaching	(a) All the welfare schemes of Government of India like compassionate appointment etc. are being implemented in the University. (b) OPD facility for staff & retired employees of JNU at University Health Centre.
Students	

#### 6.4 Financial Management and Resource Mobilization

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

##### 6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.	Purpose
CSSE&IP, SSS- IIDS	1,00,000/-	Research Project

##### 6.4.2 Total corpus fund generated:

#### 6.5 Internal Quality Assurance System

##### 6.5.1 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic				
Administrative	Yes	CAG	Yes	Internal Audit

##### 6.5.2 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

##### 6.5.3 Activities and support from the Parent – Teacher Association (at least three)

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

- (a) Training /participation of staff in various Seminar/Training/Conference.
- (b) In house capacity building programme for staff.
- (c) Hindi/English/Computer training for staff.
- (d) Monthly departmental discussions on various new/amendments to Govt. Rules.
- (e) Refresher/Orientation course for Group A staff.
- (f) Induction programme for new appointees.

**6.5.5 Post Accreditation initiative(s) (mention at least three)****1. Schools with intergerated post graduation:**

School of Engineering, Special Centre for the Study of North East India, Special Centre for National Security Studies, Special Centre for E-Learning offering intergerated M.Tech that avails possibility to our engineering students to enrol themselves for gaining expertise in foreign languages and / or a specific area of social science or international relation. These facilities will be offered from the four year out of their five year intergerated programme. Students selection for the programme is made from the national level exam JEEE conducted by CBSE at number of centres distributed across the country.

- 2. University has developed In-house software for processing the research dissertation / thesis in soft copy and totally automated mode. This initiative is expected to expedite the evaluation process alongwith crystal clear transparency.
- 3. Plagiarism Policy is adopted immediatly upon the Gazette Notification of UGC that is on July 23, 2018.
- 4. University has quickly adopted and implementing the UGC Gazette issued on July 18, 2018 to maintain the "Minimum Qualifications for Appointment of Teachers and Other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education, 2018."

**6.5.6**

- a. Submission of Data for AISHE portal : (Yes /No) Yes
- b. Participation in NIRF : (Yes /No) – Yes. JNU ranked #2 by NIRF 2018
- c. ISO Certification : (Yes /No)
- d. NBA or any other quality audit : (Yes /No)

**6.5.7 Number of Quality Initiatives undertaken during the year**

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration (from --- to ---)	Number of participants
	Please see point 7.1 of part-A			

<b>CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES</b>			
<b>7.1 - Institutional Values and Social Responsibilities</b>			
<b>ERB-</b>			
<ul style="list-style-type: none"> <li>• Generating awareness on good research as ethical research and vice versa.</li> <li>• Training in responsible citizenship with social responsibility towards vulnerable and marginalized communities, environment ecology &amp; nationhood.</li> <li>•</li> </ul>			
<b>7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)</b>			
Title of the programme	Period (from – to - )	Participants	
		Female	Male
<b>Self Defence Training Programme</b> ICC alongwith the Security Officer in collaboration with Ms. Isha Pandey, Special Police Unit for Women & Children (SPUWAC), PTS Malviya Nagar, New Delhi has organised Self Defence Techniques Training for the girls/woman of Jawaharlal Nehru University. The certificates were also issued to the participants on the last day of the workshop.	23 <sup>rd</sup> to 31 <sup>st</sup> October 2017 Lawn, Convention Centre, JNU	70 (students, wives and spouses of faculties and staff)	30
<b>1. Poster Making</b> <b>2. Essay Writing</b> <b>3. Poetry Competition</b> <b>Theme: “Professor Progress”</b> Total 09 prizes alongwith certificates were given to the winners of the competition. 1 <sup>st</sup> and 2 <sup>nd</sup> prizes were given in Poster Making, Essay Writing & Poetry Competition. One girl namely Ms. Khusboo Hadda had participated in all the three events and won prizes in all the three events.	8 <sup>th</sup> March 2018 Venue: Convention Centre	More than 50 students participated	
<b>Advocate Aishwarya Bhati, Supreme Court of India delivered a lecture on Gender Sensitization.</b> ICC organised an event on gender sensitization. Advocate Aishwarya Bhati was enrolled with Delhi Bar Council in July 1998. She is on the Panel of Amicus-Curiae (friend of the court) of the supreme court of India since 2006 and assisting the court in important matters. She was also adjudged as the Best Student Advocate of the Country in an all India Moot Curt Competition organised by the Campus Law Centre, Delhi University in 1998.	12 <sup>th</sup> March 2018-12-28 Venue: Committee Hall, Convention Centre, JNU		
Two days workshop on Sexual Harassment of Women at Workplace (Prevention, Prohibition & Redressal) Act, 2013 for faculty, officers, students vis a vis all constituents of JNU community, Inauguration by VC, Rector I & II.	1 <sup>st</sup> -2 <sup>nd</sup> May 2018 Venue: Auditorium II, Convention Centre, JNU	250	

**7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:****Percentage of power requirement of the University met by the renewable energy sources****7.1.3 Differently abled (Divyangjan) friendliness**

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	
Provision for lift	Yes	
Ramp / Rails	Yes	
Braille Software / facilities	Yes	
Rest Rooms	Yes	
Scribes for examination	Yes	
Special skill development for differently abled students		
Any other similar facility		

**7.1.4 Inclusion and Situatedness**

Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff

**7.1.5 Human Values and Professional Ethics**

1. Respect for human autonomy within non-maleficence & beneficence framework of research. Research should be scientific guided by true, non-biased and non-ideological declination.
2. Awareness on right collaborations, foreign funding and appropriate skill sets.

**Code of conduct (handbooks) for various stakeholders**

Title	Date of Publication	Follow up (maximum 100 words each)
Preparing with experienced IERB members	To be published	-

**7.1.6 Activities conducted for promotion of universal Values and Ethics**

Activity	Duration (from ---- to -----)	Number of participants
13.09.2017 National Conference held on "Ethics in Public Service".	One day conference The conference had the following insightful critically analyzed sessions; (a) Ethics as primordial or regulatory (b) Special dialogue between ICSSR & ILBS on where did we go wrong?	150 to 200 participants

	(c) Legal and Psychological care givers in a disturbing social ethos.	
6 <sup>th</sup> -7 <sup>th</sup> Sep. 2017 Consultative Meeting at the National Centre for Disease Informatics and Research (NCDIR), Bangalore on Pilot testing the ICMR-THSTI forms for use by Ethics Committees.	Two days workshop The IERB was represented by Dr. Sushil Kumar Jha Co-Member Secretary IERB, JNU-IERB was invited to share concerns on draft IERB forms.	200 participants
18 <sup>th</sup> Feb. 2018: IERB organised a special session on "Ethics in ICSSR sponsored collaborative national Capacity Building workshop".	One day programme	200 participants
<b>7.1.7 Initiatives taken by the institution to make the campus eco-friendly (at least five)</b>		

<b>7.2 Best Practices</b>
<b>Describe at least two institutional best practices</b> <b>Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link</b>
<p>1. The JNUs Digital Tracking System (DTS), a fully automated in-house software is prepared. The software uses 20 step work flow assuring speedy evaluation by the external and internal referee for thesis / dissertation. The software also helps segregates task in three categories (a) Plagiarism check / similarity index qualified staff copy of the dissertation / thesis to be submitted alongwith the list of potential external examiners by the centre/school. (b) Choice of the evaluators from the provided list and obtaining the evaluation report alongwith recommendation within three months by certifying evaluators as an authorised / registered examiner of JNU DTS. (c) Forwarding the recommendations and detailed report to the centre/school to get the final result on the research for the degree as to M.Tech/M.Phil/Ph.D. The software based evaluation stands unique because this imparts complete unanimity and full transparency by maintaining data and time wise records of various steps, take up accessed either as a soft form or printed and maintained in the system copy file form. This is expected not just to reduce the evaluation time but transform the process of thesis/dissertation evaluation with positive impact on the academic progression.</p> <p>2. JNU has started Skype based thesis open defence viva-voce. Certainly this best practice has brought positive influence and reduces delay that was to some extent link on the date of viva-voce examination. Since examiners has to log on to his/her skype account and can see actual presentation of the examinee and at the same time address the concerned queries, listen to the answers given by the examinee alongwith the body language , which is also witnessed by the audience making it a complete viva-voce examination. However, the planning towards finding the time travelling and other aspects are not the requirements and helps therefore to accomplish viva-voce in a speedy manner.</p> <p><b>SPS –</b> Regular seminars are organised in all disciplines i.e. Chemistry, Mathematics and Physics and interdisciplinary topics for exposure of faculties and students with new ideas and various advancement coming in education and research as well. Journal Club has been made and regularly updated by students concerned with research activities, any current remark ans recognition received by students. Weblink: <a href="https://www.jnu.ac.in/journal">https://www.jnu.ac.in/journal</a>.</p>

**CES, SLL&CS-** The National Young Researchers Forum and student conferences have had a clear positive impact in stimulating and strengthening the research aptitude and abilities of students.

### **7.3 Institutional Distinctiveness**

**Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust. Provide the weblink of the institution in not more than 500 words**

The uniqueness of JNU is evident from its basic philosophy, policies and programmes which are spelt out and embodied in the University Act. Accordingly, the University has always striven to evolve such policies and programmes of study as would be a qualitative and distinct addition to the national resource base in higher education instead of reflecting mere quantitative expansions of the existing facilities. The University thus has been concentrating on programmes that are of relevance to national progress and development. In this regard, the University has taken the following initiatives:

A conscious effort has been made to promote ideas of national integration, secularism, scientific outlook, cosmopolitan and humanistic approach towards life.

The national character of the University has been maintained by selecting students and faculty from all regions of the country.

An interdisciplinary approach to teaching and research has been promoted in recognition of the fact that knowledge is indivisible and, accordingly, a structure of Schools and Centres of teaching has been established.

The emphasis on teaching and research in non-conventional areas has ensured that duplication of facilities available in other universities is avoided as far as possible.

Care has been taken to establish a model School of Language Teaching and Research in Indian as well as foreign languages with well-equipped language laboratories and Centres, where the study of the literature, culture and civilization of the countries concerned becomes feasible and effective.

A system has been evolved whereby main academic decisions, such as the courses to be taught, their content and the methods of evaluation, are taken by the teachers themselves.

Admissions are made entirely on merit through an open all-India Entrance Examination, held at 80 centres across the country.

There is a liberal provision for merit-cum-means scholarships/fellowships. Students as well as faculty members are provided with financial support to undertake field trips in connection with their research both within the country and abroad.

Participation in exchange programmes with universities/institutes abroad is encouraged to promote international understanding. The University has signed Memoranda of Understanding with a large number of foreign universities and institutions.

A Grievance Redressal Committee has been set up to promote cordial relations between the students and the University administration.

The University has been organising successfully the combined Biotechnology Entrance Examination for admission to M.Sc. in Biotechnology, M.Sc. in Agriculture Biotechnology, M.V.Sc. (Animal) Biotechnology and M.Tech. programme in Biotechnology of 52 participating universities for a number of years. This entrance examination is conducted all over the country alongwith JNUEE.

### **8. Future Plans of action for next academic year (500 words)**

**CILS, SIS** – the centre aims at the following (a) upgrading existing seminar/conference facilities (b) having a dedicated facility of computers/laptops and printers (c) audio and video facilities for the purposes of recording and presentation so as to strengthen the proposed International Law Documentation and Resources Centre.

**SPS** - The school has three major branches of science: Physics, Chemistry and Mathematics where the work culture in the school is truly collaborative and interdisciplinary in nature. To strengthen these existing academic programs, the immediate future plan would be to fill all the vacant faculty positions where focus will be paid that most of the subject areas in these three

subjects are covered by the faculties. More instruments will be arranged for M.Sc. laboratories. The SPS has just started Chemistry M.Sc. program, and in future this program will be expanded. Similarly, efforts have been done and finally we are going to start the Mathematics M.Sc. program next academic year. Focus will be paid to apply for collective research proposals as well as to submit the proposals to organize the seminars/conferences of national and international level aiming to strengthen the academic programs in School and to establish the collaborative research programs.

Furthermore, in lieu of this we are putting our best efforts to build some more classes, buildings and laboratories on the second floor. Also, recruitment of faculties on the available seats will be done as earliest possible. Academically, planning to design new E-courses and thrust on more topics for summer training will be taken off.

**SCSNEI** – The future plan of the centre is to develop as a Centre of Excellence and as a Global Resource Hub both for scholars in India and abroad. Through institutional collaborations with other centres within JNU, as well as universities and research institutions located in North East India, and in other parts of India and abroad, the centre seeks to explore and engage with scholars and institutions working on North East India and its neighbouring areas.

**CCUS&LAS, SIS**- Centre continues to aim and achieve international standards of research in American, Latin American and Canadian Studies. In this regard, the curricular development and revision of the existing courses are undertaken seriously. The Centre provides access to relevant scholarly and policy material through membership with relevant outside libraries and special centres. Student participation both formal and informal is a regular feature of all facets of the academic programmes. The Student Faculty Committee is a forum through which Centres goals and aims are discussed and concluded (achieved). Student and faculty participation in inter-disciplinary seminars, conferences, special lectures by experts and outreach programmes with other Universities continue to be part of the Centre's agenda. Centre faculty is also engaged in research projects that would be completed in two years' time. Centre faculty maintains and will continue to maintain high level of engagement as resource-person with media organisations, think tanks, Academic Staff College of various Universities in India and abroad. Centre will continue its endeavour in providing expert level policy interventions engaged in public opinion. Centre plans to hold another major conference in each of the 3 programmes in the following year. Centre also plans to raise resources to start a central level library for the use of the students and faculty.

**CRS, SLL&CS** – The Centre of Russian Studies is working on the implementation of the following academic programmes:

Workshop on the New B.A. Courses and implementation of the same with students feedback.

Implementation of the New M.A. Syllabus with New Courses on Language & Translation, Literature and Culture Studies.

Publication of the Centre's Journal/CRITIC as per UGC requirements.

Participation in Professional Advancement of Teachers in the form of Workshops, Seminars, Conferences held in Delhi and outside.

Students activity programmes in association with the Russian Embassy and the Russian Culture Centre.

Organization of Special Lecture by Experts in the field of language, literature and translation studies.

In house interactive sessions of students and teachers for academic enhancement.

Organization of Inter-disciplinary workshops for the benefit of research scholars working on Inter-disciplinary topics.

Participation of CRS Alumina in the development of CRS.

Promoting sessions on students counselling/gender studies with the involvement of Counsellors and parents for their guidance and support to resolve students issues.

**CES, SLL&CS**- Given the nature and range of academic engagements at CES, we envision becoming a Special Centre for English and Cultural Studies, with autonomous and interdisciplinary linkages with foreign and Indian languages as well as other disciplines in the humanities and social sciences.

We see the further strengthening of our research programmes as an important priority. Our plans include (a) strengthening the dissertation component at the MA level through the introduction of

courses and training modules in research methods and academic writing, (b) organizing research workshops for MPhil and PhD students at regular intervals to introduce them to new areas and methods of research, and (c) creating a forum for regular presentations by PhD students to peers and faculty on their work in progress, to which specialists in their areas may be invited. This will give them valuable feedback and also allow them to share their work, and for the Centre to be apprised of the range of research being carried out.

We also look forward to further international collaborations with adequate students' mobility, so that our researchers can get exposed to the international best practices of research in their field. We have plans of supporting students' publications through funds received by the Centre, to make the path-breaking research output of the Centre more visible.

CGS, SLL&CS – Creation of accessible teaching material for visually impaired students. Centre envisages expanding its translation programme. Film Studies: Keeping in the mind the increasing exposure to and interest in visual media of the current student generation, we plan to introduce Film Studies as part of our curriculum at undergraduate and post graduate levels. The focus will be on film history, theory, and criticism not only with respect to German language cinema but also within the broader frameworks of European and transnational cinemas. A future collaboration with the department of History of Art, National Museum Institute of history of Art, Conservation and Museology, New Delhi with the centre of German Studies planned in order to bring in new innovative ideas for the development of the course Cultural History of Europe where there would be workshops, seminars and conferences and exchange of students and faculty from both departments. Creating a Digital Library of Cultural Ethnographic Films.

Name: Prof. Arun S. Kharat



Signature of the Coordinator, IQAC

Name: Prof. M. Jagadesh Kumar



Signature of the Chairperson, IQAC

**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
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence

<b>School of Social Sciences (SSS)</b>
Centre for Economic Studies and Planning (CESP)
Centre for Historical Studies (CHS)
Centre for Informal Sector & Labour Studies (CISLS)
Centre for Media Studies (CMS)
Centre for Philosophy (CP)
Centre for Political Studies (CPS)
Centre of Social Medicine & Community Health (CSMCH)
Centre for Studies in Science Policy (CSSP)
Centre for the Study of Discrimination and Exclusion (CSDE)
Centre for the Study of Regional Development (CSRD)
Centre for the Study of Social System (CSSS)
Centre for Women's Studies (CWS)
Zakir Husain Centre for Educational Studies (ZHCES)
<b>School of International Studies (SIS)</b>
Centre for African Studies (CAS)
Centre for Canadian, US and Latin American Studies (CCUS&LAS)
Centre for Comparative Politics & Political Theory (CCPPT)
Centre for East Asian Studies (CEAS)
Centre for European Studies (CES)
Centre for Indo-Pacific Studies (CIPS)
Centre for Inner Asian Studies (CIAS)
Centre for International Legal Studies (CILS)
Centre for International Politics, Organisation and Disarmament (CIPOD)
Centre for International Trade and Development (CITD)
Centre for Russian & Central Asian Studies (CRCAS)
Centre for South Asian Studies (CSAS)
Centre for West Asian Studies (CWAS)
<b>School of Language, Literature and Culture Studies (SLL&amp;CS)</b>
Centre for Arabic & African Studies (CAAS)
Centre for Chinese & South East Asian Studies (CCSAS)
Centre for English Studies (CES)
Centre for French & Francophone Studies (CFFS)
Centre for German Studies (CGS)
Centre for Indian Languages (CIL)
Centre for Japanese Studies (CJS)

Centre for Korean Studies (CKS)
Centre for Linguistics (CL)
Centre for Persian & Central Asian Studies (CPCAS)
Centre for Russian studies (CRS)
Centre for Spanish, Portuguese Italian & Latin American Studies (CSPILAS)
<b>School of Arts &amp; Aesthetics (SAA)</b>
<b>School of Biotechnology (SBT)</b>
<b>School of Computational &amp; Integrative Sciences (SCIS)</b>
<b>School of Computer and Systems Sciences (SCSS)</b>
<b>School of Environmental Sciences (SES)</b>
<b>School of Life Sciences (SLS)</b>
<b>School of Physical Sciences (SPS)</b>
<b>Special Centre for Molecular Medicine (SCMM)</b>
<b>Special Centre for Nano Sciences (SCNS)</b>
<b>Special Centre for the Study of Law &amp; Governance (SCSLG)</b>
<b>School of Sanskrit and Indic Studies (SCSS)</b>
<b>School of Engineering (SE)</b>
<b>School of Management &amp; Entrepreneurship (SM&amp;E)</b>
<b>Special Centre for Disaster Research (SCDR)</b>
<b>Special Centre for E-Learning (SCEL)</b>
<b>Special Centre for the Study of North East India (SCSNEI)</b>

#### **For Communication with NAAC**

**The Director**

**National Assessment and Accreditation Council (NAAC)**

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**Faculty Publications****School of Arts and Aesthetics****Journal/Research Articles: (18)**

- Mazumdar, Ranjani, "An Interview with Ashim Ahluwalia" in *Bioscope: South Asian Screen Studies* vol. 7 no.2: 207-214, 2017 (ISSN: 09749276)
- Bhaumik, Kaushik, 'Reading the Indian Cinematograph Committee Sessions (1926-28) for film culture in 1920a Burma- with a special focus on Burmese film production', *Studies in South Asian Film & Media*, vol..8, no. 2, pp.125-141. (ISSN: 1753-493X), October, 2017
- Hariharan, Veena, 'Malayalam Cinema Now' in *International Film Festival of Kerala, 2017, Festival Book*, Kerala State Chalachitra Academy.
- Hariharan, Veena, Book review of Sutoris, Peter. *Visions of Development: Films Division of India and the Imagination of Progress, 1948-75*. New Delhi: Oxford University Press, 2016, in *Bioscope: South Asia Screen Studies* 8(1) 1–3 July, 2017, Sage Publications, 174-76. ISSN: 0974-9276
- Hariharan, Veena, Book review of Nakassis, Constantine V. *Doing Style: Youth and Mass Mediation in South India*. Chicago: University of Chicago Press, 2016 in *Contributions to Indian Sociology*, Sage Publications, 52, 1 (2018): 97–127. ISSN: 0069-9667
- Dutt, Bishnupriya, 'Pedagogies of Citizenship: Performance, Institutions and Gendering', *Theatre Research International*, Vol. 42, No. 3, October, 2017, pp 323-326, Cambridge University Press, London.
- Datta, Partho, 'A Peep Into Two Music Families', *The Book Review* XLI, 6 June, 2017
- Datta, Partho 'Khayal Histories', *The Book Review* XLI, 7-8, July – August, 2017
- Shivaprakash H.S., "The Legend of Manteswami-1"(Tr Maitreyi Karnoor) in *Indian Literature*. Vol.299, July – August, 201
- Shivaprakash H.S., "The Legend of Manteswami-2 "(Tr. Maitreyi Karnoor) in *Indian Literature*', vol.300, September – October, 2017
- Shivaprakash H.S., "Indian Literature Forges Ahead", in *Indian Literature* vol.302, January – February, 2018
- Sawant, Shukla, "The Trace Beneath: The Photographic Residue in the Early Twentieth-century Paintings of the 'Bombay School'", *BioScope South Asian Screen Studies*, Vol 8, No. 1, 2017. (ISSN: 0974-9276)
- Sawant, Shukla, "Cultivating a Taste for Nature", *Economic and Political Weekly Special Issue: Tagore's Social Praxis*, Vol. 52, No. 19, 2017, (ISSN: 2349-8846)
- Alone Y. S., "Caste Life Narratives, Visual Representation, And Protected Ignorance," in *Biography special issue on 'Life and Caste-Narratives'*, vol. 40, No. 1, Winter, 2017, pp. 140-169.
- Rajarajan, R.K.K., "Vallavāḷ - the Abode of Viṣṇu: Formation and Transformation", *Zeitschrift für Indologie und Südasiastudien*, Dr. Ute Hempen Verlag, Bremen, Germany, Vol. 34: 215-246, ISSN 2193-9144, 2017
- Rajarajan, R.K.K., "The Liṅga and Bronzes of the Perunakar Temple. "Nidān: International Journal for Indian Studies, Durban, South Africa, Vol. 2.1: 13-33, ISSN 2414-8636, 2017, <http://hdl.handle.net/10520/EJC-852007d0f>
- Rajarajan, R.K.K., "Unravelling Daśavatāra Chronicles, "The Quarterly Journal of the Mythic Society 108.2: pp. 9-26, ISSN 0047 – 8555, 2017
- Rajarajan, R.K.K., *Tamil and Āriyam. Arimā Nōkku: International Journal on Language, Literature, Art, Culture, History, Philosophy and Science* 11.1: 19-23. ISSN 2320 – 4842, 2017

**Books: (08)**

- Sarkar Munsī Urmimala, *The Moving Space: Women in Dance*, Primus Books, New Delhi, 2017. (Co-edited with Dr. Aishika Chakraborty)
- Parameswaran, Ameet, *Performance and the Political: Power and Pleasure in Contemporary Kerala*, 2017, Hyderabad: Orient Blackswan
- Dutt Bishnupriya, *Gendered Citizenship: Manifestations and Performance*, (co-edited with introduction), Palgrave Macmillan Press (London, December, 2017) and Orient Blackswan (Delhi, January, 2018)

- Singh, Kavita, Co-edited (with Mirjam Brusius) *Museum Storage and Meaning: Tales from the Crypt*. Routledge, London, 2017 (September) ISBN 9781138065970
- Ahuja, Naman P., and J.D. Hill, *India and the World: A History in Nine Stories*, New Delhi: Penguin, 2017 (ISBN139780143442097)
- Shivaprakash, H.S., *Escudame De Estos Suenos* (Tr. Zingonia Zingone) *Festival Mundial de Poesia*, San Salvador, 2017 (In Spanish)
- Shivaprakash H.S., *Meesalukavitegalu*, Akshara Prakashana, Heggodu, 2017 (Kannada)
- Rajarajan, R.K.K., *Samāpti-Suprabhātam – Reflections on South Indian Bhakti Tradition in Literature and Art*. R.K.K. Rajarajan, R.K. Parthiban and Raju Kalidos,(Eds) Sharada Publishing House: New Delhi. Ppxxiii + 366, ISBN 978-93-83221-15-8, 2017

### Chapters in Books: (26)

- Bhaskar, Ira, “Expressionist Aurality: The Stylized Aesthetic of Bhava in Indian Melodrama,” in Christine Gledhill and Linda Williams, eds. *Melodrama Unbound Across History, Media, and National Cultures*. New York: Columbia University Press, 2018 (ISBN: 978-0-231-18067-2)
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## Annexure 2

Bibliometrics of the publications during the last Academic year based on average citation index in Scopus / Web of Science or PubMed / Indian Citation Index						
Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
<b>School of Physical Sciences</b>						
P.R. Studies on clay-gelatin nanocomposite as urea sensor	Sharma, A., <b>Bohidar, H.B.</b> , Solanki	Applied Clay Science	2017		School of Physical Sciences	
ZnSe core and ZnSe@ZnS core-shell quantum dots as platform for folic acid sensing	Mir, I.A., Solanki, P.R., <b>Bohidar, H.B.</b>	Journal of Nanoparticle Research	2017		School of Physical Sciences	
Erratum to : Self-assembly and gelation of TX-100 in water, Colloid and Polymer Science	Ranjan, R., Das, P., Aswal, V.K., Kohlbrecher, J., <b>Bohidar, H. B.</b>	Colloid and Polymer Science	2017		School of Physical Sciences	
Interaction of plasma proteins with ZnSe and ZnSe@ZnS core-shell quantum dots	Mir, I.A., Rawat, K., <b>Bohidar, H. B.</b>	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2017		School of Physical Sciences	
Self-assembly and gelation of TX-100 in water	Ranjan, R., Das, P., Aswal, V.K., Kohlbrecher, J., <b>Bohidar, H.B.</b>	Colloid and Polymer Science	2017		School of Physical Sciences	
Hydrophilic, fluorescent and superparamagnetic iron oxide-carbon composite nanoparticles	Sarkar, T., Tiwari, S., Rawat, K., Solanki, P.R., <b>Bohidar, H. B.</b>	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2017		School of Physical Sciences	
Surface patch binding-induced exfoliation of nanoclays and	Sharma, A., Solanki, P. R., <b>Bohidar, H. B.</b>	Polymer International	2017		School of	

enhancement of physical properties, of gelatin organogels		al			Physical Sciences
Self-healing gelatin ionogels	Sharma, A., Solanki, P. R., <b>Bohidar, H.B.</b>	International Journal of Biological Macromolecules	2017		School of Physical Sciences
Hydrophobic hydration and anomalous diffusion of elastin in an ethanolic solution	Pawar, N., Kaushik, P., <b>Bohidar, H. B.</b>	Physical Chemistry Chemical Physics	2017		School of Physical Sciences
Folic acid supramolecular ionogels	Ranjan, R., Rawat, K., <b>Bohidar, H.B.</b>	Physical Chemistry Chemical Physics	2017		School of Physical Sciences
Solvent hydrophobicity induced complex coacervation of dsDNA and: In situ formed zein nanoparticles	Pandey, P. K., Kaushik, P., Aswal, V. K., <b>Bohidar, H. B.</b>	Soft Matter	2017		School of Physical Sciences
Temperature induced reversible polymorphic phase transformation in a bishydrazone compound	Jayant, V., <b>Das, D.</b>	J. Mol. Struct.	2018		School of Physical Sciences
Dependence of the configurational entropy on amorphous structures of a hard-sphere fluid	Mondal, A., Premkumar, L. and <b>Das, S. P.</b>	Phys. Rev. E	2017		School of Physical Sciences
Fluctuating nonlinear hydrodynamics of flocking	Yadav, S. K. and <b>Das, S. P.</b>	Phys. Rev. E	2018		School of Physical Sciences
Scaling behavior of the self-diffusion coefficients: dependence on the mass ratio of a binary mixture	Bidhoodi, N. and <b>Das, S. P.</b>	arXiv			School of Physical Sciences
Relativistic nature of charge carriers: Origin of electron-hole asymmetry in monolayer grapheme	<b>Ghosh, S.</b> , Srivastava, P., Arya, S. and Kumar, S.	Phys. Rev B (Rapid Com)	2017		School of Physical Sciences
Charge transport mechanism in copper phthalocyanine thin films with and without traps	<b>Ghosh, S.</b> Rani, V., Sharma, A., Kumar, P. and Singh, P.	RSC Advances	2017		School of Physical Sciences

					al Scienc es	
Morphology of self assembled monolayers using liquid phase reaction on silica and their effect on the morphology of adsorbed insulin	<b>Ghosh S.</b> , Sharma, I., Pattanayeka, S. K., Rani and V.	Applied Surface Science	2017		School of Physical Sciences	
Notes on exchange interactions in holographic p-adic CFT	Dutta, P, <b>Ghoshal, D.</b> and Lala, A.	Phys. Lett. <b>B</b>	2017		School of Physical Sciences	
On closed Lie ideals of certain tensor products of C*-algebras	<b>Gupta, V. P.</b> and Jain, R.	Math. Nachr.	2017		School of Physical Sciences	
Spontaneous dimerisation and moment formation in the Hida model of the spin-1 kagomé antiferromagnet	Ghosh, P. and <b>Kumar, B.</b>	<i>Phys. Rev. B</i>	2018		School of Physical Sciences	
Triplon mean-field analysis of an antiferromagnet with degenerate Shastry-Sutherland ground states	Kumar, R. and <b>Kumar, B.</b>	<i>J. Phys. Commun.</i>	2017		School of Physical Sciences	
Theory of quantum oscillations of magnetization in Kondo insulators	Ram, P. and <b>Kumar, B.</b>	Phys. Rev. B	2017		School of Physical Sciences	
Quantum to classical transition in the ground state of a spin-S quantum antiferromagnet	Danu, B. and <b>Kumar, B.</b>	Eur. Phys. J.	2017		School of Physical Sciences	
Level crossings induced by a longitudinal coupling in the transverse field Ising chain	Vionnet, G., <b>Kumar, B.</b> and Mila, F.	Phys. Rev. B	2017		School of Physical Sciences	
Effect of annealing temperature on structural and magnetocaloric properties of nanocrystalline $\text{BaCo}_{0.90}\text{Mn}_{0.10}\text{O}_{3-\delta}$	Kumar, A., Meenakshi and <b>Mahato, R. N.</b>	J. Alloys Compd.	2017		School of Physical Sciences	
Exotic Magnetic Phenomena in Nanocrystalline Mn-Doped $\text{SrCoO}_{3-\delta}$	Kumar, A., Meenakshi and <b>Mahato, R. N.</b>	Adv. Sci. Lett.	2018		School of Physical	

					Sciences	
Structural, magnetic and electrical transport properties of nanocrystalline $\text{SrCo}_{0.5}\text{Mn}_{0.5}\text{O}_{3-\delta}$	Kumar, A., Meenakshi and <b>Mahato, R. N.</b>	IEEE Trans. Mag.			School of Physical Sciences	
Structural, magnetic and magnetocaloric properties of Co-doped nanocrystalline $\text{La}_{0.7}\text{Te}_{0.3}\text{Mn}_{0.7}\text{Co}_{0.3}\text{O}_3$	Meenakshi, Kumar, A. and <b>Mahato, R. N.</b>	J. Magn. Magn. Mater.	2018		School of Physical Sciences	
Can we probe intrinsic CP/T violations and non-unitarity at long?	Rout, J., Masud, M. and <b>Mehta, P.</b>	Phys. Rev. D	2017		School of Physical Sciences	
Imprint of non-standard interactions on the CP violation measurements at long baseline experiments	Masud, M. and <b>Mehta, P.</b>	Pramana	2017		School of Physical Sciences	
Work function modulation of Molybdenum disulfide nanosheets by introducing lattice strain	<b>Mohanty, T.</b> , Shakya, J., Kumar, S., and Kanjilal, D.	Scientific Reports	2017		School of Physical Sciences	
One step synthesis of $\text{Fe}_3\text{O}_4/\text{GO}$ nanocomposites at 100C and its magnetic properties	<b>Mohanty, T.</b> , and Mishra, A.	Integrated Ferroelectrics	2017		School of Physical Sciences	
The effect of low energy nitrogen ion implantation on graphene Nanosheets	<b>Mohanty, T.</b> , Mishra, M., Alwarappan, S. and Kanjilal, D.	Electronic Materials Letters	2018		School of Physical Sciences	
Temperature dependent magnetic behavior of $\alpha\text{-Fe}_2\text{O}_3/\text{GO}$ nanocomposites	<b>Mohanty, T.</b> , Mishra, A., Kuanr. B. K.	AIP Conference Proceedings	2018		School of Physical Sciences	
Electron sponge from naphthalenediimide–viologen conjugates: water-stable, highly electron-deficient polyions with 1 V potential window	Shukla, J., Ajayakumar, M. R., Kumar, Y., <b>Mukhopadhyay, P.</b>	Chem. Commun.	2018		School of Physical Sciences	
Appending Diverse pi-Extended Acceptors with Tetrathiafulvalene/Dithiafulvalene Donors: Multistate Redox Properties, Radical Ion Generation, and Mid-IR-	Keshri, S. K., Asthana, D., Chorol, S., Kumar, Y., <b>Mukhopadhyay, P.</b>	Chem. Eur. J.	2018		School of Physical Sciences	

Absorbing Mixed-Valence States					es	
Ambient Water-Stable Dianionic Electron Donors: Intramolecular Noncovalent Conduits Assist Charge Delocalization	Keshri, S. K., Asthana, D., Chorol, S., Kumar, Y., <b>Mukhopadhyay, P.</b>	<i>Chem. Eur. J.</i>	2017		School of Physical Sciences	
Molecular insights into trypanothione reductase-inhibitor interaction: A structure-based review	Tiwari, N., Tanwar, N. and <b>Munde, M.</b>	Arch Pharm.	2018		School of Physical Sciences	
Thermodynamic and conformational analysis of the interaction between antibody binding proteins and IgG	Tanwar, N. and <b>Munde, M.</b>	Int J Biol Macromol.	2018		School of Physical Sciences	
Biophysical insight into the heparin-peptide interaction and its modulation by a small molecule	Tiwari, N., Srivastava, A., Kundu, B. and <b>Munde, M.</b>	J Mol Recognit.	2017		School of Physical Sciences	
Impact of Module-X2 and Carbohydrate Binding Module-3 on the catalytic activity of associated glycoside hydrolases towards plant biomass.	Pasari, N., Adlakha, N., Gupta, M., Bashir, Z., Rajacharya, G. H., Verma, G., <b>Munde, M.</b> , Bhatnagar, R. and Yazdani, S. S.	Sci Rep.	2017		School of Physical Sciences	
Experimental Study of relaxation in solid solutions of benzene, hexa-substituted benzenes. I	Singh, A. K. and <b>Murty, S. S. N.</b>	Thermochimica Acta	2017		School of Physical Sciences	
Experimental Study of relaxation in solid solutions of benzene, hexa-substituted benzenes. II	Singh, A. K. and <b>Murty, S. S. N.</b>	Thermochimica Acta	2017		School of Physical Sciences	
Finite-range coulomb gas models of banded random matrices and quantum chaotic rotors	<b>Pandey, A.</b> , A. Kumar and <b>Puri, S.</b>	Phys. Rev. E	2017		School of Physical Sciences	
Distinguishing Galois representations by their normalized traces	<b>Patankar, V. M.</b> and Rajan, C. S.	J. Number Theory	2017		School of Physical Sciences	
Hidden transition in multiferroic and magnetodielectric CuCrO <sub>2</sub> evidenced by ac-susceptibility	<b>Patnaik, S.</b> , Shukla, K. K., Pal, A., Singh, A., Singh, R., Saha, J., Sinha, A. K., Ghosh, A. K., Awasthi, A. M. and Chatterjee, S.	EPL	2017		School of Physical Sciences	

Synthesis and characterization of yttrium iron garnet (YIG) nanoparticles - Microwave material	<b>Patnaik, S.</b> , Sharma, V., Saha, J. and Kuanr, B. K.	AIP Advances	2017		School of Physical Sciences
Dramatic variation of the multiferroic properties in Sr doped Ca <sub>1-x</sub> Sr <sub>x</sub> Mn <sub>7</sub> O <sub>12</sub>	<b>Patnaik, S.</b> , Jain, P., Saha, J., Gupta, L.C., Ganguli, A.K. and Chatterjee, R.	AIP Advances	2017		School of Physical Sciences
Possibility for conventional superconductivity in Sr <sub>0.1</sub> Bi <sub>2</sub> Se <sub>3</sub> from high-pressure transport studies	<b>Patnaik, S.</b> , Manikandan, K., Shruti, Neha, P., Kalai Selvan, G., Wang, B., Uwatoko, Y., Ishigaki, K., Jha, R., Awana, V.P.S. and Arumugam, S.	EPL	2017		School of Physical Sciences
YIG based broad band microwave absorber: A perspective on synthesis methods	<b>Patnaik, S.</b> , Sharma, V., Saha, J. and Kuanr, B.K.	Journal of Magnetism and Magnetic Materials	2017		School of Physical Sciences
Enhanced ferromagnetism in edge enriched holey/lacey reduced graphene oxide nanoribbons	<b>Patnaik, S.</b> , Sahu, V., Maurya, V.K., Singh, G. and Sharma, R. K.	Materials and Design	2017		School of Physical Sciences
Combined effect of oxygen annealing and La-doping in broadening the phase transition of Ba(Zr <sub>0.2</sub> Ti <sub>0.8</sub> )O <sub>3</sub> ceramics	<b>Patnaik, S.</b> , Kumar, R., Asokan, K. and Birajdar, B.	Journal of Alloys and Compounds	2018		School of Physical Sciences
Magnetic structure driven ferroelectricity and large magnetoelectric coupling in antiferromagnet Co <sub>4</sub> Nb <sub>2</sub> O <sub>9</sub>	<b>Patnaik, S.</b> , Srivastava, P., Chaudhary, S., Maurya, V., Saha, J., Kaushik, S.D. and Siruguri, V.	Solid State Communications	2018		School of Physical Sciences
High spin state driven magnetism and thermoelectricity in Mn doped topological insulator Bi <sub>2</sub> Se <sub>3</sub>	<b>Patnaik, S.</b> , Maurya, V.K., Dong, C.L., Chen, C.L. and Asokan, K.	Journal of Magnetism and Magnetic Materials	2018		School of Physical Sciences
Evolution of relaxor properties in lanthanum (La) doped barium zirconate titanate	Kumar, R., Asokan, K., <b>Patnaik, S.</b> , Birajdar, B.	<i>Ferroelectrics</i>	2017		School of Physical Sciences
Structure, magnetism and electronic properties in 3d-5d based double perovskite (Sr <sub>1-x</sub> Y <sub>x</sub> ) <sub>2</sub> FeIrO <sub>6</sub>	Kharkwal, K. C. and <b>Pramanik, A. K.</b>	J. Phys.: Condens. Matter	2017		School of Physical Sciences

Effect of Cu <sup>2+</sup> substitution in spin-orbit coupled Sr <sub>2</sub> Ir <sub>1-x</sub> Cu <sub>x</sub> O <sub>4</sub> : Structure, magnetism, and electronic properties	Bhatti, I.N., Dhaka, R. S. and <b>Pramanik, A.K.</b>	Phys. Rev. B	2017		School of Physical Sciences	
Non-Porod Scattering and Non-Integer Scaling of Resistance in Rough Films	Verma, B. R., Banerjee, V. and <b>Puri, S.</b>	J. Phys. Chem. Solids	2017		School of Physical Sciences	
Random Field Ising Model with Conserved Kinetics: Super-universality Violation, Logarithmic Growth Law and the Generalized Tomita Sum Rule	Kumar, M., Banerjee, V. and <b>Puri, S.</b>	Europhys. Lett.	2017		School of Physical Sciences	
Coarsening Dynamics of True Morphological Phase Separation in Unstable Thin Films	Narayanam, C., Kumar, A., <b>Puri, S.</b> , and Khanna, R.	Langmuir	2017		School of Physical Sciences	
Single Particle Brownian Motion with Solid Friction	Das, P., <b>Puri, S.</b> and Schwartz, M.	Eur. Phys. J.	2017		School of Physical Sciences	
Columnar Domains and Anisotropic Growth Laws in Dipolar Systems	Bupathy, A., Banerjee, V. and <b>Puri, S.</b>	Phys. Rev. E	2017		School of Physical Sciences	
Equilibrium Structure and Off-equilibrium Kinetics of a Magnet with Tunable Frustration	Corberi, F., Kumar, M., <b>Puri, S.</b> , and Lippiello, E.	Phys. Rev. E	2017		School of Physical Sciences	
Ordering Kinetics in the Random Bond XY Model	Kumar, M., Chatterjee, S., Paul, R. and <b>Puri, S.</b>	Phys. Rev. E	2017		School of Physical Sciences	
Universality of Domain Growth in Antiferromagnets with Spin-Exchange Kinetics	Das, P., Saha-Dasgupta, T. and <b>Puri, S.</b>	Eur. Phys. J. E	2017		School of Physical Sciences	
Random-field Ising Model in a Uniform Magnetic Field: Ground States, Pinned Clusters, and Scaling Laws	Kumar, M., Banerjee, V. and <b>Puri, S.</b>	Eur. Phys. J. E	2017		School of Physical Sciences	
Finite-Range Coulomb Gas Models of	Pandey, A., Kumar, A.	Phys.	2017		School	

Banded Random Matrices and Quantum Kicked Rotors	and <b>Puri, S.</b>	Rev. E			of Physical Sciences
Coarsening and Pattern Formation during True Morphological Phase Separation in Unstable Thin Films under Gravity	Kumar, A., Narayanam, C., Khanna, R. and <b>Puri, S.</b>	Phys. Rev. E	2017		School of Physical Sciences
Granular Fluids with Solid Friction and Heating	Das, P., <b>Puri, S.</b> and Schwartz, M.	Granular Matter	2018		School of Physical Sciences
Ordering Dynamics of Self-Propelled Particles in an Inhomogeneous Medium	Das, R., Mishra, S. and <b>Puri, S.</b>	Europhys. Lett.	2018		School of Physical Sciences
A co-operative effect of visible light photo-catalysis and CoFe <sub>2</sub> O <sub>4</sub> nanoparticles for green synthesis of furans in water	Verma, F., Singh, P. K., Bhardiya, S. R., Singh, M., <b>Rai, A.</b> and Rai, V. K.	New J. Chem.	2017		School of Physical Sciences
Facile construction of AuNPs modulated SDS wrapped G-TC tailored electrode for sensitive detection of ascorbic acid	Kashyap, H., Singh, P. K., Verma, F., Rai, V. K., <b>Rai, A.</b> , Singh M.	New J. Chem.	2017		School of Physical Sciences
Graphene oxide catalyzed C-N/C-S/[3+2] cyclization cascade for green synthesis of thiazolidinone in water	Mahata, S., Sahu, A., Shukla, P., <b>Rai, A.</b> , Singh, M. and Rai, V. K.	Lett. Org. Chem.	2018		School of Physical Sciences
First graphene oxide promoted metal-free nitrene insertion into olefins in water: towards facile synthesis of activated aziridines	Shukla, P., Mahata, S., Sahu, A., Singh, M., Rai, V. K. and <b>Rai, A.</b>	RSC Advances	2017		School of Physical Sciences
Bio-inspired unprecedented synthesis of reduced graphene oxide: a catalytic probe for electro-/chemical reduction of nitro groups in an aqueous medium	Mahata, S., Sahu, A., Shukla, P., <b>Rai, A.</b> , Singh, M. and Rai, V. K.	New J. Chem.	2017		School of Physical Sciences
One-Pot Allan–Robinson/Friedländer Route to Chromen-/Quinolin-4-ones through the Domino Acetylation Cyclisation of 2-Hydroxy-/2-Aminobenzaldehyde	Rai, V. K., Verma, F., Sahu, G. P., Singh, M. and <b>Rai, A.</b>	Eur. J. Org. Chem.	2018		School of Physical Sciences
Morita-Baylis-Hillman enal-based triple cascade strategy for anti-	Rai, V. K., Verma, F., Satnami, M., Singh, M.	Tetrahedron Lett.	2018		School of

selective synthesis of highly functionalized tetrahydropyridines using iminium-enamine catalysis	and <b>Rai, A.</b>				Physical Sciences
Emergence of chimeras through induced multistability	Ujjwal, S. R., Punetha, N., Prasad, A., and <b>Ramaswamy, R.</b>	Physical Review E	2017		School of Physical Sciences
Emergent organization in a model market	Yadav, A. C., Manchanda, K., and <b>Ramaswamy, R.</b>	Physica A	2017		School of Physical Sciences
Collective dynamics in heterogeneous networks of neuronal cellular automata	Manchanda, K., Bose, A., and <b>Ramaswamy, R.</b>	Physica A	2017		School of Physical Sciences
A mechanism for the 1/f noise	Yadav, A. C., <b>Ramaswamy, R.</b> and Dhar, D.	Physical Review E	2017		School of Physical Sciences
Coupled Lorenz oscillators near the Hopf boundary: Multistability, intermingled basins, and quasi-riddling	Wontchui, T. T., Effa, J. Y., Fouda, H. P. E., Ujjwal, S. R., and <b>Ramaswamy, R.</b>	Physical Review E	2017		School of Physical Sciences
Time-delayed conjugate coupling in dynamical systems	Sharma, A., Shrimali, M. D., Prasad, A., and <b>Ramaswamy, R.</b>	European Journal of Physics	2017		School of Physical Sciences
Directional synthesis of $\alpha$ -AgFe(MoO <sub>4</sub> ) <sub>2</sub> from {Mo <sub>72</sub> Fe <sub>30</sub> }-type Keplerate	Tandekar, K., <b>Sabbani, S.</b>	New J. Chem.	2017		School of Physical Sciences
Largest dataset test of Birch's law for sound propagation at high pressure	Umesh C. Roy and <b>Sarkar, S. K.</b>	Journal of Applied Physics	2017		School of Physical Sciences
Synthesis, docking, and preliminary in vitro/in vivo evaluation of MPP-dithiocarbamate-capped Ag nanoparticle as dual-imaging agent	Chaturvedi, S., Lal, S., <b>Sen, P.</b> and Mishra, A. K.	International Journal of Nanomedicine	2018		School of Physical Sciences
Water-driven stabilization of cadmium sulphide nanoparticles	Goswami, N. and <b>Sen, P.</b>	Applied Surface Science	2017		School of Physical Sciences

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Dynamics of Water and Ions around DNA: What's So Special About Them?	Shweta, H., <b>Sen, S.</b>	J. Biosciences	2018		School of Physical Sciences
<i>Ras Hyperactivation Versus Overexpression: Lessons from Ras Dynamics in Candida Albicans</i>	Pratyusha, V. A., Victoria, G. S., Khan, M. F., Haokip, D. T., Yadav, B., Pal, N., Sethi, S. C., Jain, P., Singh, S. L., <b>Sen, S.</b> and Komath, S. S.	Sci. Rep.	2018		School of Physical Sciences
Effect of T· T Mismatch on DNA Dynamics Probed by Minor Groove Binders: Comparison of Dynamic Stokes Shifts of Hoechst and DAPI	Shweta, H., Singh, M. K., Yadav, K., Verma, S. D., Pal, N. and <b>Sen, S.</b>	J. Phys. Chem. B	2017		School of Physical Sciences
<i>Probe-location Dependent Resonance Energy Transfer at Lipid/Water Interfaces: Comparison between the Gel- and Fluid-Phase of Lipid Bilayer</i>	Singh, M. K., Khan, M. F., Shweta, H. and <b>Sen, S.</b>	Phys. Chem. Chem. Phys.	2017		School of Physical Sciences
<i>Multidrug ABC Transporter Cdr1 of Candida Albicans Harbors Specific and Overlapping Binding Sites for Human Steroid Hormones Transport</i>	Baghel, P., Rawal, M. K., Khan, M. F., <b>Sen, S.</b> , Siddiqui, M. H., Chaptal, V., Falson, P. and Prasad, R.	BBA-Biomembrane	2017		School of Physical Sciences
Some properties of distal actions on locally compact groups	Raja, C. R. E. and <b>Shah, R.</b>	Ergodic Theory and Dynamical Systems	2017		School of Physical Sciences
Shape and Size-Dependent Magnetic Properties of Fe <sub>3</sub> O <sub>4</sub> Nanoparticles Synthesized Using Piperidine	Singh, A. K., Srivastava, O. N. and <b>Singh, K.</b>	Nanoscale Research Letters	2017		School of Physical Sciences
Annealing effect on thermal conductivity and microhardness of carbon nanotube containing Se <sub>80</sub> Te <sub>16</sub> Cu <sub>4</sub> glassy composites	Upadhyay, A. N., Tiwari, R. S. and <b>Singh, K.</b>	Mater. Res. Express	2018		School of Physical Sciences
An effective approach to study the biocompatibility of Fe <sub>3</sub> O <sub>4</sub> nanoparticles, graphene and their nanohybrid composite	Singh, A. K., Singh, P., Verma, R. K. Yadav, S., <b>Singh, K.</b> and Srivastava, A.	Applied Nanoscience			School of Physical Sciences
<u>Experimental Validation of Ferromagnetic–Antiferromagnetic Competition in Fe<sub>x</sub>Zn<sub>1-x</sub>Se Quantum</u>	Bindra, J. K., Gutsev, L. G., Van Tol, J., <b>Singh, K.</b> , Dalal, N.	<i>Chemistry . Materials.</i>	2018		School of Physic

<u>Dots by Computational Modeling</u>	S. and Strouse, G. F.				al Scienc es	
Lightweight Reduced Graphene Oxide-Fe <sub>3</sub> O <sub>4</sub> Nanoparticle Composite for the Quest of Excellent Electromagnetic Interference Shielding Material	<u>Singh, A. K., Kumar, A., Haldar, K. K., Gupta, V. and Singh, K.</u>	<i>Nanotechnology</i>	2018		School of Physic al Scienc es	
<b><u>Special Centre for Nano Sciences</u></b>						
“Magnetic and crystallographic properties of rare-earth substituted yttrium-iron garnet”	Vinay Sharma, Kuanr <b>Kuanr Bijoy Kumar</b>	Journal of Alloys and Compounds	2018			
“Exchange-coupled hard-soft ferrites; A new microwave material”	Vipul Sharma, ShwetaKumari, <b>Kuanr Bijoy Kumar</b>	Journal of Alloys and Compounds	2018			
AIP Advances	ShehreenAslam, ManojKhanna, VeerakumarVeenugopal , <b>Kuanr Bijoy Kumar</b>	AIP Advances	2018			
“Effect of Annealing on Electrical Properties of Zinc Oxide/Graphene Oxide Nanocomposite”	Ravi Kumar, Vinay Sharma & Kuanr Bijoy Kumar	Adv.Sci, Lett	2018			
Fabrication of CoFe <sub>2</sub> O <sub>4</sub> /Reduced Graphene Oxide Nanocomposite as a Microwave Absorber	ShehreenAslam, ManojKhanna and <b>B Kuanr Bijoy Kumar</b>	Adv. Sci. Lett	2018			
“Rare earth doped M-type hexaferrites; ferromagnetic resonance and magnetization dynamics	Vipul Sharma, ShwetaKumari, <b>Kuanr Bijoy Kumar</b>	AIP Advances	2018			
Hemolysis and Cytotoxicity Studies of Surface Functionalized and Bare Core–Shell Fe <sub>3</sub> O <sub>4</sub> Nanoparticles”	ShivaniTiwari, Ravi S. Yadav, and <b>Kuanr Bijoy Kumar</b>	Adv. Sci. Lett				
“Fabrication of Magnetically Tunable Schottky Diode Using Bismuth Ferrite Thin Film on Gold”	Ayushi Mishra, Vinay Sharma, <b>Kuanr Bijoy Kumar</b>	IEEE Transactions on Electron Devices;				
“Synthesis and characterization of Yttrium Iron Garnet (YIG) Nanoparticles - Microwave Material.	Vinay Sharma • Priyanka Rani <b>Kuanr Bijoy Kumar</b>	AIP Advances	2017			
“One dimensional FeCo nanowires; Ferromagnetic Resonance and Magnetization dynamics.	Shehreen Aslam ,Manoj Khanna • <b>Kuanr Bijoy Kumar</b>	AIP Advances	2017			
“A new microwave material for C to U Band Application; BaM/YIG Nanocomposites	Vipul Sharma • ShwetaKumari , <b>Kuanr Bijoy Kumar</b>	AIP Advances	2017			
“Synthesis and Characterization of Iron Oxide Nanoparticles (IONPs) and their Cytotoxicity effects on Lung Epithelial Carcinoma Cells”	Anjali, Sushil K. Jha and <b>Kuanr Bijoy Kumar</b>	AIP Conference Proceedings	2017			
“Reduced Graphene Oxide/ZnO	SameekshaBhatnagar,	AIP	2017			

Nanostructures Based Rectifier Diode; SameekshaBhatnagar”	Ravi Kumar, Monika Sharma and <b>Kuanr Bijoy Kumar</b>	Conference Proceedings				
Co3O4/reduced graphene oxide nanocomposite for removal of organic pollutants from aqueous medium”	Amodini Mishra, <b>Kuanr Bijoy Kumar</b> , and T. Mohanty;	AIP Conference Proceedings	2017			
“YIG based broad band microwave absorber: a perspective on synthesis methods”	Vinay Sharma, J. Saha, S. Patnaik, and <b>Kuanr Bijoy Kumar</b>	<i>J. of Magnetism and Magnetic Materials</i>	2017			
Enhanced electrocaloric effect in lead-free 0.9(K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> -0.1Sr(Sc <sub>0.5</sub> Nb <sub>0.5</sub> )O <sub>3</sub> ferroelectric nanocrystalline ceramics	Raju Kumar and <b>Satyendra Singh</b>	<b>Journal of Alloys and Compounds</b>	723, 589–594 (2017).		SCNS, JNU	7
Pr <sub>2</sub> FeCrO <sub>6</sub> : A Type I Multiferroic	Nibedita Das, <b>Satyendra Singh</b> , Amish G. Joshi, MeganathanThirumal, V. Raghavendra Reddy, Laxmi Chand Gupta, and Ashok Kumar Ganguli,	<b>Inorganic Chemistry</b>	56, 12712-12718 (2017)		SCNS, JNU	6
Presence of a monoclinic (Cc) phase in the (1-x)BiFeO <sub>3</sub> -xCaTiO <sub>3</sub> solid solution nanoparticles: A Rietveld study	Vijay Kumar, Akhilesh Kumar Singh, and <b>Satyendra Singh</b> ,	<b>Journal of Applied Physics</b>	122, 204101 (2017)		SCNS, JNU	
Lead and chromium adsorption from water using L-Cysteine functionalized magnetite (Fe <sub>3</sub> O <sub>4</sub> ) nanoparticles.	Yana Bagbi, Ankur Sarswat, Dinesh Mohan, Arvind Pandey & <b>Pratima R. Solanki</b>	<i>Scientific Reports</i> ,	2017, 7: 7672	18		
One pot synthesized zirconia nanoparticles embedded in amino functionalized amorphous carbon for electrochemical immunosensor	Pramod K. Gupta, NamrataPachauri, Z.H. Khan, <b>Pratima R. Solanki</b> .	<i>Journal of Electroanalytical Chemistry</i>	807 (2017) 59–69	2		
Carbon dots-modified chitosan based electrochemical biosensing platform for detection of vitamin D	TamalSarkar, H.B. Bohidar, <b>Pratima R. Solanki</b> ..	<i>International Journal of Biological Macromolecules</i>	109 (2018) 687–697	5		
Studies on clay-gelatin nanocomposite as urea sensor	Anshu Sharma, K.Rawat, H.B. Bohidar, <b>Pratima R. Solanki</b>	<i>Applied Clay Science</i>	146 (2017) 297–305			
Polymer–Clay Nanocomposite-Based Acetylcholine esterase Biosensor for Organophosphorous Pesticide Detection	TamalSarkar, Neethu Narayanan, <b>Pratima R. Solanki</b>	<i>International Journal of Environmental Research</i>	2017, 11(5-6) 591-601			
Curcuminoid-loaded poly(methyl methacrylate) nanoparticles for cancer therapy	AbhispaSahu, <b>Pratima Solanki</b> , SusmitaMitra	<i>International Journal of</i>	2018:13 (T-NANO			

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Mesoporous Spherical Shaped Silica Nanoparticles for the Effective Adsorption of Aqueous Lead (Pb <sup>2+</sup> ).	Y Bagbi, A Pandey, <b>Pratima R. Solanki</b> .	<i>Advanced Science Letters</i>	2018, 24 (2), 922-926			
Effect of pH on the Structural Properties and Bioactivity of Zirconia Nanoparticles	PP Sharma, PK Gupta, <b>Pratima R Solanki</b>	<i>Advanced Science Letters</i>	2018, 24 (2), 873-880			
Effect of Nitrogen Doping on Structural and Electrochemical Properties of Zirconia Nanoparticles	PK Gupta, ZH Khan, <b>Pratima R Solanki</b>	<i>Advanced Science Letters</i>	2018, 24 (2), 867-872			
A Facile Platform for Photocatalytic Reduction of Methylene Blue Dye By CdSe-TiO <sub>2</sub> Nanoparticles	I. A. Mir, I. Singh, <b>Birajdar B.</b> , K. Rawat	<i>Water Conservation Science and Engineering</i>	2017		SCNS, JNU	0
Zirconium doped TiO <sub>2</sub> nano-powder via halide free non-aqueous solvent controlled sol-gel route.	I. Singh, R. Kumar, and <b>Birajdar B</b>	<i>Journal of Environmental Chemical Engineering</i>	2017		SCNS, JNU	0
Synthesis, characterization and photocatalytic activity of mesoporous Na-doped TiO <sub>2</sub> nanopowder prepared via a solvent-controlled nonaqueous sol–gel route.	I. Singh and <b>Birajdar B.</b>	RSC Advances	2017		SCNS, JNU	3
Evolution of relaxor properties in lanthanum (La) doped barium zirconatetitanate, Ferroelectrics	R. Kumar, K. Asokan, S. Patnaik and <b>Birajdar B.</b>	Ferroelectrics	2017		SCNS, JNU	0
Combined effect of oxygen annealing and La-doping in broadening the phase transition of Ba(Zr <sub>0.2</sub> Ti <sub>0.8</sub> )O <sub>3</sub> ceramics, <i>Journal of Alloys and Compounds</i>	R. Kumar, K Asokan, S. Patnaik, and <b>Birajdar B</b>	<i>Journal of Alloys and Compounds</i>	2018		SCNS	1
Study of magnetization and magnetoelectricity in CoFe <sub>2</sub> O <sub>4</sub> /BiFeO <sub>3</sub> core-shell composites, <i>Journal of Applied Physics</i> .	S. Kuila, Sweta Tiwary, M. R. Sahoo, A. Barik, P. D. Babu, V. Siruguri, <b>Birajdar B.</b> , and P. N. Vishwakarma	<i>Journal of Applied Physics</i>	2018		SCNS	0
Effect of ultra-sonication temperature on photocatalytic properties of sol-gel TiO <sub>2</sub> thin films.	Inderjeet Singh and <b>Birajdar B.</b>	<i>Adv. Sci. Lett</i>	2018		SCNS	0
Structural Phase Transition, Impedance Spectroscopy and Narrow Optical Band Gap in (1-x)(KNbO <sub>3</sub> )-x Ba(Sc <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub>	Rajender Prasad Tiwari, Vijay Kumar, S. Singh, Jyoti Shah, Ravinder Kumar Kotnala, Balaji Birajdar	Journal of Alloys and Compounds	2018		SCNS	1
Electrical microstructure properties of 0.9(KNbO <sub>3</sub> )-0.1(BaNi <sub>1/2</sub> Nb <sub>1/2</sub> O <sub>3</sub> -□)	Rajender Prasad Tiwari, Jyoti Shah, Ravinder	Journal of the	2018		SCNS	1

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<i>In vitro</i> studies on oxidative stress independent, Ag-nanoparticles induced cell toxicity of <i>Candida albicans</i> , an opportunistic pathogen.	V. S. Radhakrishnan, Surya Prakash Dwivedi, Mohammed Haris Siddiqui and <b>Tulika Prasad</b> .	<i>International Journal of Nanomedicine</i>	(2018), 13: 91-96		SCNS	3
Silver nanoparticle induced alterations in multiple cellular targets, which are critical for drug susceptibilities and pathogenicity in fungal pathogen ( <i>Candida albicans</i> )	V. S. Radhakrishnan, Mohana Krishna Reddy Mudiya, Manish Kumar, Surya Prakash. Dwivedi, Surinder Pal Singh and <b>Tulika Prasad</b> .	<i>International Journal of Nanomedicine</i>	(2018), 13: 2647-2663		SCNS	0
Antifungal efficacy of Au@ Carbon dots nanoconjugates against opportunistic fungal pathogen, <i>Candida albicans</i> .	Eepsita Priyadarshini, Kamla Rawat, <b>Tulika Prasad</b> and Himadri B. Bohidar.	<i>Colloids and Surfaces B: Biointerfaces</i>	(2018), 163: 355-361.		SCNS	0
Nanomedicine for Infectious Diseases.	<b>Tulika Prasad</b>	<i>J Pharm Sci Emerg Drugs</i>	(2017), 5(2):17		SCNS	0
Detection of multi drug resistant fungal infections in cancer patients. <i>In Molecular Markers in Mycology-Diagnostics and Marker Development</i>	K. Awasthi, Asmita Das and <b>Tulika Prasad</b>	Fungal Biology Series, Publisher Springer, USA, Eds, Vijai Gupta and Maria Tuohy, ISSN:2198-7777, ISBN:978-3-319-34104-0	(2017)		SCNS	0
Detection of <i>Mycobacterium tuberculosis</i> purified ESAT-6 (Rv3875) by magnetic beads coupled-gold nanoparticles based immuno-PCR assay	Netrapal Singh, Bhawna Dahiya, V. S. Radhakrishnan, <b>Tulika Prasad*</b> and Promod K. Mehta*. (Joint Corresponding authors*)	<i>International Journal of Nanomedicine</i>	(2018), 13: 8523-8535		SCNS	0
Bandgap tunable AgInS based quantum dots for high contrast cell imaging with enhanced photodynamic and antifungal applications	Irshad Ahmad Mir, V. S. Radhakrishnan, Kamla Rawat, <b>Tulika Prasad*</b> and Himadri B. Bohidar*. (Joint Corresponding authors*)	<i>Scientific Reports-Nature</i>	(2018), 8(1):9322		SCNS, JNU	1
<b>School of Biotechnology</b>						
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<b>CL, SLL&amp;CS-</b>						
UGC EPG Pathshala Modules for P-G course in Linguistics	Prof. Pramod Kumar Pandey	Website of UGC INFLIBNET	2018	---	UGC	In the process of being put up
Clans, Tribes and Unions of Tribes Nomenclature of North East India	Dr. Pauthang Haokip	Economic and Political Weekly	2018	---	JNU	
Differential Case Marking in Bodo	Dr. Pauthang Haokip	Journal of the Southeast Asian Linguistics Society	2018	---	JNU	
<b>CPS, SSS-</b>						
Politics of Counter-narratives and Appropriation	V. Bijukumar	Economic and Political Weekly	2017	1	JNU	1
<b>CGS, SLL&amp;CS-</b>						
Die Konstellation von Lärm und Stille in	Dr. Rosy Singh	<i>Wirkendes Wort</i>	2018			

Kafkas Werken: Großer Lärm, In unserer Synagoge..., Der Bau'						
'Equivalents in Translation: The Case of Gandhi'	Dr. Rosy Singh	<i>Panjab University Research Journal</i>	2018			
'Rilke and the fragmentary Apollo',	Dr. Rosy Singh	<i>South Asian Ensemble</i>	2017			
The Threshold is the Fountainhead: Threshold-Motifs in Peter Handke's Writing',	Dr. Rosy Singh	<i>Jadavpur Journal of Comparative Literature</i>	2017			
'Dialectics of Self and the Other. Grass' Poems <i>What Must be Said</i> and <i>Europe's Disgrace</i> ', in Vibha Surana, Mehar Bhoot	Dr. Rosy Singh	(eds.): <i>Revisiting Günter Grass. Voices from India and Germany</i> , Würzburg: Königshausen & Neumann	2017			
The scientism of Early Modernity and the prevailing scholastic discourse on principium individuationis	Prof. Dr. Babu Thaliath	Volume <i>Scientification and Scientism</i> , ed. Christoph Wulf, Routledge	2018			
Die Phänomenologie des Biographierens : Erinnerung und Wiedererinnerung im Prozess der biographischen Rekonstruktion	Prof. Dr. Babu Thaliath	<i>FreiDok der Universität Freiburg</i>	2018			
The Contextuality of Sciences, in <i>Homo sapiens</i>	Prof. Dr. Babu Thaliath	<i>Travancore journal of philosophy</i>	2018			
(Non)-Contemporaneity of Revolution in Anna Seghers' <i>Das Licht auf dem Galgen</i> and Heiner Müller's <i>Der Auftrag</i>	Mercy v. Guite	(Un-) <i>Gleichzeitigkeiten</i> . (Eds) Carmen Ulrich. <i>Indicium</i> .	2018			
Migrating Stories: The Panchatantra and the Grimm Tales	Dr. Priyada Padhye	Ed. Prasad, G.J.V.: <i>Translation in India. India in Translation (forthcoming)</i>				
Re-writing of Children's Literature: Do we have a universal norm?	Dr. Priyada Padhye	<i>Translation Today Volume 12 Issue 1</i>	2018			
OERs for the teaching and learning of German as a Foreign	Dr. Priyada Padhye	Eds.: Jandhyala, P.R.; Ranjan,	2018			

Language: A comparative evaluation – A Recipé for the Indian context?		R.:Development and Implementation of OERs for Foreign Languages in Indian Context. New Delhi: Prithvi Prakashan, (ISBN – 978-81-8684-540-0)				
Evaluation of Translation assignments at the beginner's level: A pedagogical view	Dr. Priyada Padhye	Translation Today (forthcoming: Special Issue 1)	2018			
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Colonialism, Post colonialism and Decolonization	Prof. Dr. Sadhana Naithani	In : Pauline Greenhill, Jill Terry Rudy a.o. (Eds.) The Routledge companion to Media and Fairy-tale Cultures. New York and London, Routledge.	2018			
Ohne Zorn: Autobiographisches Schreiben über Gewalt.	Prof. Dr. Madhu Sahni	In: Germanistik zwischen Tradition und Innovation. Herausgegeben von Jianhua Zhu, Jin Zhao und Michael Szurawitzki. Band 9. Akten des XIII. Internationalen Germanistenkongresses Shanghai 2015. Peter Lang. Frankfurt am Main. 2017	2017			
<b>SM&amp;CH, SSS-</b>						

<b>Prof R Dasgupta</b>						
Governing Multisectoral Action for Health in Low- and Middle-income Countries	Rasanathan K, Bennett S, Atkins V, Beschel R, Carrasquilla G, Charles J, Dasgupta R, Emerson K <i>et al</i>	<i>PLoS Medicine</i>	2017			JNU
The Slippery Slope of Child Feeding Practices in India	Dasgupta R, Chaand I, Barla KB	<i>Indian Paediatrics</i>	2018			JNU
Neurodevelopmental disorders in children aged 2-9 years: Population-based burden estimates across five regions in India	Arora NK, Nair MKC, Gulati S, Deshmukh V, Mohapatra A, Mishra D, Murthy GVS, Sharma TD, Sapra S, Aneja S, Junena M, Reddy SK, Suman P, Mukherjee SB, Dasgupta R <i>et al</i>	<i>PLoS Medicine</i>	2018			JNU
<b>Dr Vikas Bajpai</b>						
'The Continuing Debate on the 'Annihilation of Caste': Understanding Tensions Between Ambedkarites and Communists.'	Vikas Bajpai	Social Change	2017		CSMCH, Jawaharlar I Nehru University, New Delhi	
'Economic and Social Impact of Out of Pocket Expenditure on Households of Patients Attending Public Hospitals.'	Vikas Bajpai (first author) et.al.	National Medical Journal of India	2017		CSMCH, Jawaharlar I Nehru University, New Delhi	
<b>Prof Rama Baru</b>						
Ideology and health sector reforms: A State level analysis" in Nundy,M (Ed.) Health Service Systems in Transition: Challenges in India and China. Monograph #3,July,	Baru, Rama V	Institute of Chinese Studies, Delhi. <a href="http://www.icsin.org">www.icsin.org</a>	2017			
Public-Private Partnerships in Health Care: China and India",	Baru, Rama V and Nundy,M	Institute of Chinese Studies, Delhi. <a href="http://www.icsin.org">www.icsin.org</a>	2017			
Elderly Care in India and China: Need for comprehensive Policy and Planning	Baru, Rama V and Nundy,M	Institute of Chinese Studies, Delhi. <a href="http://www.icsin.org">www.icsin.org</a>	2017			
<b>Prof Ramila Bisht</b>						
Feminist Movements and Gender Politics: Transnational Perspectives on	Kapilashrami, A., R. Bisht, and S. Ravindran	<i>Journal of the Humanities and the Social Sciences</i>	2017		CSMCH, JNU	

Intersectionality.						
Peri-Urbanism in Globalizing India: A Study of Pollution, Health and Community Awareness.	Waldman, L.; Bisht, R.; Saharia, R.; Kapoor, A.; Rizvi, B.; Hamid, Y.; Arora, M.; Chopra, I.; Sawansi, K.T.; Priya, R.; Marshall, F.	<i>Int. J. Environ. Res. Public Health</i>	2017,		CSMCH, JNU	
<b>Prof S Acharya</b>						
Sustainability, prosperity and Wellbeing- Understanding the Conservancy Workers in India		Journal of Health and Demography	2016	(ISSN 2017		
Migrant Women in Construction Work: Examining Issues and Challenges in Delhi'		Journal of Healthcare Management		2017		
Population Dynamics and Access to Public Health Services- Examining Social Inequalities		Journal of Social Exclusion and Inclusion		2016		
Historically Excluded Groups in India- Sanitation Workers and Realities of Livelihoods, Health and Safety'		The Indian Journal of social Work		2017		
Social identity and perceptions about health care service provisioning by the Dalits and for the Dalits in India'		journal for the Study of Race, Nation and		2017		
Nutritional Status of Children and Utilization of ICDS Services- Exploring Social Disparities		IIDS Discussion Paper		2016		
Social Inequalities In Health-Concern Towards Leaving no one Behind		IIDS Discussion Paper		2017		
<b>Prof Ritu Priya</b>						
Regulating the Medical Profession: Challenges and Possibilities of the Medical Commission Bill, 2017	<b>Priya R., &amp; Ghodajkar, P.</b>	<i>Science, Technology &amp; Society</i>		Social Change Science, Technology & Society 23:3 (2018)	CSMCH, JNU, New Delhi	

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Regulating Access and Protecting traditional Knowledge through Intellectual Property Issues from a Holistic Health Systems Perspective	<b>Priya R. &amp; Kurian CM.</b>	<i>Science, Technology &amp; Society</i>		Social Change Science, Technology & Society	CSMCH, JNU, New Delhi	
Regulating the Medical Profession: Challenges and Possibilities of the Medical Commission Bill	<b>Priya R., &amp; Ghodajkar, P.</b>			Social Change Science, Technology & Society	CSMCH, JNU, New Delhi	
Local Environmentalism in Peri-Urban spaces in India: Emergent Ecological Democracy	<b>Priya R. &amp; Kurian CM.</b>	<i>Science, Technology &amp; Society</i>		Social Change Science, Technology & Society	CSMCH, JNU, New Delhi India	
.Transdisciplinary Research as Transformative Space Making for Sustainability: enhancing pro-poor transformative agency in periurban contexts	<b>Priya R.,</b> Bisht R., Randhawa P., Arora M., Dolley J., McGranahan G., Marshall M.	<i>Ecology and Society</i>	2017		CSMCH, JNU, New Delhi	
Peri-Urbanism in Globalising India: A Study of Pollution Health and Community Awareness	Marshall F, Dolley J., & <b>Priya R</b> Waldman L, Bisht, R, SahariaR	<i>Int. J. Environ. Res. Public Health</i> 2017, 14	2017	ISBN: 978-1-78118-374-8	CSMCH, JNU, New Delhi	
Historically Excluded Groups in India- Sanitation Workers and Realities of Livelihoods, Health and Safety.	Prof. Sanghmitra S. Acharya	The Indian Journal of Social Work 78 (1) pp 113-131	2017			65
Spaces of Connectivity: The Formation of Medical Travel Destinations in Delhi National Capital Region (India)	Kaspar, H. & Reddy S.					
<b><u>CSSS, SSS-</u></b>						

Activism and the Globalisation of a Cause: Access to Medicines in the Fight Against Counterfeiting	Quet, M., Al Dahdah, M.	Sociologie du Travail	2017	Scopus	JNU	0
Community Participation or Manufactured Consent? Strategies for Implementation of Drinking Water Project 'Jalanidhi' in Kerala (India)	Govind, M., Babu, A.	International Journal of Rural Management	2017	Scopus	JNU	0
Current and Emerging Trends in Bioremediation of Petrochemical Waste: A Review	Singh, P., Borthakur, A., Jain, R., (...), Tiwary, D., Mishra, P.K.	Critical Reviews in Environmental Science and Technology	2017	Scopus	JNU	2
Going South. How STS Could Think Science in and with the South?	Dumoulin Kervran, D., Kleiche-Dray, M., Quet, M.	Revue d'Anthropologie des Connaissances	2017	Scopus	JNU	0
How to Commercialise University-Generated Knowledge Internationally? A Comparative Analysis of Contingent Institutional Conditions	Kalantaridis, C., Küttim, M., Govind, M., Sousa, C.	Technological Forecasting and Social Change	2017	Scopus	JNU	0
Incremental Innovations, Information Contagion, and Path Dependence: The Case of Drinking Water Purification Technologies in Urban India	Talat, N., Bhaduri, S.	Industrial and Corporate Change	2017	Scopus	JNU	0
Regions, Knowledge Communities and Innovation Dynamics: A Case of Bengaluru Biocluster in India	Pandey, N., Desai, P.N.	Asian Biotechnology and Development Review	2017	Scopus	JNU	0
Understanding the Dynamics of Global Entrepreneurship	Das, A.K.	Science and Public Policy	2017	Scopus	JNU	0
Understanding the Economics of the Internet and the Economic Processes of the e-Businesses	Das, A.K.	Science and Public Policy	2017	Scopus	JNU	0
Values in Motion: Anti-Counterfeiting Measures and the Securitization of Pharmaceutical Flows	Quet, M.	Journal of Cultural Economy	2017	Scopus	JNU	0
A Review on Biodegradation and Photocatalytic Degradation of Organic Pollutants: A	Singh, P., Borthakur, A.	Journal of Cleaner Production	2018	Scopus	JNU	0

Bibliometric and Comparative Analysis						
Challenges in Diabetology Research in India	Jena, S., Mishra, B., Yadav, A., Desai, P. N.	Diabetes and Metabolic Syndrome: Clinical Research and Reviews	2018	Scopus	JNU	0
Computer and Mobile Phone Waste in Urban India: An Analysis from the Perspectives of Public Perception, Consumption and Disposal Behaviour	Borthakur, A., Govind, M.	Journal of Environmental Planning and Management	2018	Scopus	JNU	0
Delhi Declaration on Open Access 2018: An Overview	Das, A.K.	Annals of Library and Information Studies	2018	Scopus	JNU	0
Digital Passages: Migrant Youth 2.0 Diaspora, Gender and Youth Cultural Intersections	Das, A.K.	Diaspora Studies	2018	Scopus	JNU	0
European Union's General Data Protection Regulation, 2018: A Brief Overview	Das, A.K.	Annals of Library and Information Studies	2018	Scopus	JNU	0
Exploring Temple Floral Refuse for Biochar Production as a Closed Loop Perspective for Environmental Management	Singh, P., Singh, R., Borthakur, A., (...), Srivastava, V.C., Mishra, P.K.	Waste Management	2018	Scopus	JNU	0
Frugality and cross-sectoral policymaking for food security	Bhaduri, S., Sinha, K. M., & Knorringa, P.	NJAS-Wageningen Journal of Life Sciences	2018	Scopus	JNU	2
IndiaLICS International Conference 2017: A Report of Special Sessions	Borthakur, A., Das, A.K.	Journal of Scientometric Research	2018	ICI ESCI	JNU	0
Management of the challenges of electronic waste in India: an analysis	Borthakur, A., Govind, Madhav	Waste and Resource Management	2018	Scopus	JNU	1
Pharmaceutical Capitalism and its Logistics: Access to Hepatitis C Treatment	Quet, M.	Theory, Culture and Society	2018	Scopus	JNU	0
Public Understandings of E-waste and Its Disposal in Urban India: From a Review towards a Conceptual Framework	Borthakur, A., Govind, M.	Journal of Cleaner Production	2018	Scopus	JNU	0
Technological capabilities in the Indian Ayurveda medicine industry:	Arya, A., Bhaduri, S.	African Journal of Science, Technology,	2018	Scopus	JNU	0

Lessons for 'industrialisation' of alternative medicine in the post-WTO regime		Innovation and Development				
Technologies to Alleviate Pollution: Air and Water Purification	Talat, N.	Economic and Political Weekly	2018	Scopus	JNU	0

h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)							
Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication	
P.R. Studies on clay-gelatin nanocomposite as urea sensor	Sharma, A., <b>Bohidar, H.B.</b> , Solanki	Applied Clay Science	2017	26		School of Physical Sciences	
ZnSe core and ZnSe@ZnS core-shell quantum dots as platform for folic acid sensing	Mir, I.A., Solanki, P.R., <b>Bohidar, H.B.</b>	Journal of Nanoparticle Research	2017			School of Physical Sciences	
Erratum to : Self-assembly and gelation of TX-100 in water, Colloid and Polymer Science	Ranjan, R., Das, P., Aswal, V.K., Kohlbrecher, J., <b>Bohidar, H. B.</b>	Colloid and Polymer Science	2017		26		School of Physical Sciences
Interaction of plasma proteins with ZnSe and ZnSe@ZnS core-shell quantum dots	Mir, I.A., Rawat, K., <b>Bohidar, H. B.</b>	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2017				School of Physical Sciences
Self-assembly and gelation of TX-100 in water	Ranjan, R., Das, P., Aswal, V.K., Kohlbrecher, J., <b>Bohidar, H.B.</b>	Colloid and Polymer Science	2017				School of Physical Sciences
Hydrophilic, fluorescent and superparamagnetic iron oxide-carbon composite nanoparticles	Sarkar, T., Tiwari, S., Rawat, K., Solanki, P.R., <b>Bohidar, H. B.</b>	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2017		26		School of Physical Sciences
Surface patch binding-induced exfoliation of nanoclays and enhancement of physical properties, of gelatin organogels	Sharma, A., Solanki, P. R., <b>Bohidar, H. B.</b>	Polymer International	2017				School of Physical Sciences
Self-healing gelatin ionogels	Sharma, A., Solanki, P. R., <b>Bohidar, H.B.</b>	International Journal of Biological Macromolecules	2017			School of Physical Sciences	
Hydrophobic hydration and anomalous diffusion of elastin in an ethanolic solution	Pawar, N., Kaushik, P., <b>Bohidar, H. B.</b>	Physical Chemistry Chemical Physics	2017	26			School of Physical Sciences
Folic acid supramolecular ionogels	Ranjan, R., Rawat, K., <b>Bohidar, H.B.</b>	Physical Chemistry Chemical Physics	2017			School of Physical Sciences	
Solvent hydrophobicity induced complex coacervation of dsDNA and: In situ formed zein	Pandey, P. K., Kaushik, P., Aswal, V. K., <b>Bohidar, H. B.</b>	Soft Matter	2017			School of Physical Sciences	

nanoparticles						
Temperature induced reversible polymorphic phase transformation in a bishydrazone compound	Jayant, V., <b>Das, D.</b>	J. Mol. Struct.	2018	<b>12</b>		School of Physical Sciences
Dependence of the configurational entropy on amorphous structures of a hard-sphere fluid	Mondal, A., Premkumar, L. and <b>Das, S. P.</b>	Phys. Rev. E	2017	<b>26</b>		School of Physical Sciences
Fluctuating nonlinear hydrodynamics of flocking	Yadav, S. K. and <b>Das, S. P.</b>	Phys. Rev. E	2018			School of Physical Sciences
Scaling behavior of the self-diffusion coefficients: dependence on the mass ratio of a binary mixture	Bidhoodi, N. and <b>Das, S. P.</b>	arXiv				School of Physical Sciences
Relativistic nature of charge carriers: Origin of electron-hole asymmetry in monolayer grapheme	<b>Ghosh, S.</b> , Srivastava, P., Arya, S. and Kumar, S.	Phys. Rev B (Rapid Com)	2017	<b>19</b>		School of Physical Sciences
Charge transport mechanism in copper phthalocyanine thin films with and without traps	<b>Ghosh, S.</b> Rani, V., Sharma, A., Kumar, P. and Singh, P.	RSC Advances	2017			School of Physical Sciences
Morphology of self assembled monolayers using liquid phase reaction on silica and their effect on the morphology of adsorbed insulin	<b>Ghosh S.</b> , Sharma, I., Pattanayeka, S. K., Rani and V.	Applied Surface Science	2017			School of Physical Sciences
Notes on exchange interactions in holographic p-adic CFT	Dutta, P, <b>Ghoshal, D.</b> and Lala, A.	Phys. Lett. <b>B</b>	2017	<b>11</b>		School of Physical Sciences
On closed Lie ideals of certain tensor products of C*-algebras	<b>Gupta, V. P.</b> and Jain, R.	Math. Nachr.	2017	<b>2</b>		School of Physical Sciences
Spontaneous dimerisation and moment formation in the Hida model of the spin-1 kagomé antiferromagnet	Ghosh, P. and <b>Kumar, B.</b>	<i>Phys. Rev. B</i>	2018	<b>10</b>		School of Physical Sciences
Triplon mean-field analysis of an antiferromagnet with degenerate Shastry-Sutherland ground states	Kumar, R. and <b>Kumar, B.</b>	<i>J. Phys. Commun.</i>	2017			School of Physical Sciences
Theory of quantum oscillations of magnetization in Kondo insulators	Ram, P. and <b>Kumar, B.</b>	Phys. Rev. B	2017			School of Physical Sciences
Quantum to classical transition in the ground state of a spin-S quantum antiferromagnet	Danu, B. and <b>Kumar, B.</b>	Eur. Phys. J.	2017	<b>10</b>		School of Physical Sciences
Level crossings induced by a longitudinal coupling in the transverse field Ising chain	Vionnet, G., <b>Kumar, B.</b> and Mila, F.	Phys. Rev. B	2017			School of Physical Sciences
Effect of annealing temperature on structural and magnetocaloric properties of nanocrystalline BaCo <sub>0.90</sub> Mn <sub>0.10</sub> O <sub>3-δ</sub>	Kumar, A., Meenakshi and <b>Mahato, R. N.</b>	J. Alloys Compd.	2017	<b>5</b>		School of Physical Sciences
Exotic Magnetic	Kumar, A.,	Adv. Sci.	2018			School of

Phenomena in Nanocrystalline Mn-Doped SrCoO <sub>3-δ</sub>	Meenakshi and <b>Mahato, R. N.</b>	Lett.		5		Physical Sciences
Structural, magnetic and electrical transport properties of nanocrystalline SrCo <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>3-δ</sub>	Kumar, A., Meenakshi and <b>Mahato, R. N.</b>	IEEE Trans. Mag.				School of Physical Sciences
Structural, magnetic and magnetocaloric properties of Co-doped nanocrystalline La <sub>0.7</sub> Te <sub>0.3</sub> Mn <sub>0.7</sub> Co <sub>0.3</sub> O <sub>3</sub>	Meenakshi, Kumar, A. and <b>Mahato, R. N.</b>	J. Magn. Magn. Mater.	2018			School of Physical Sciences
Can we probe intrinsic CP/T violations and non-unitarity at long?	Rout, J., Masud, M. and <b>Mehta, P.</b>	Phys. Rev. D	2017	7		School of Physical Sciences
Imprint of non-standard interactions on the CP violation measurements at long baseline experiments	Masud, M. and <b>Mehta, P.</b>	Pramana	2017			School of Physical Sciences
Work function modulation of Molybdenum disulfide nanosheets by introducing lattice strain	<b>Mohanty, T.</b> , Shakya, J., Kumar, S., and Kanjilal, D.	Scientific Reports	2017	16		School of Physical Sciences
One step synthesis of Fe <sub>3</sub> O <sub>4</sub> /GO nanocomposites at 100C and its magnetic properties	<b>Mohanty, T.</b> , and Mishra, A.	Integrated Ferroelectrics	2017			School of Physical Sciences
The effect of low energy nitrogen ion implantation on graphene Nanosheets	<b>Mohanty, T.</b> , Mishra, M., Alwarappan, S. and Kanjilal, D.	Electronic Materials Letters	2018			School of Physical Sciences
Temperature dependent magnetic behavior of α-Fe <sub>2</sub> O <sub>3</sub> /GO nanocomposites	<b>Mohanty, T.</b> , Mishra, A., Kuanr. B. K.	AIP Conference Proceedings	2018			School of Physical Sciences
Electron sponge from naphthalenediimide–viologen conjugates: water-stable, highly electron-deficient polyions with 1 V potential window	Shukla, J., Ajayakumar, M. R., Kumar, Y., <b>Mukhopadhyay, P.</b>	<i>Chem. Commun.</i>	2018	19		School of Physical Sciences
Appending Diverse pi-Extended Acceptors with Tetrathiafulvalene/Dithiafulvalene Donors: Multistate Redox Properties, Radical Ion Generation, and Mid-IR-Absorbing Mixed-Valence States	Keshri, S. K., Asthana, D., Chorol, S., Kumar, Y., <b>Mukhopadhyay, P.</b>	<i>Chem. Eur. J.</i>	2018			School of Physical Sciences
Ambient Water-Stable Dianionic Electron Donors: Intramolecular Noncovalent Conduits Assist Charge Delocalization	Keshri, S. K., Asthana, D., Chorol, S., Kumar, Y., <b>Mukhopadhyay, P.</b>	<i>Chem. Eur. J.</i>	2017			School of Physical Sciences
Molecular insights into trypanothione reductase-inhibitor interaction: A structure-based review	Tiwari, N., Tanwar, N. and <b>Munde, M.</b>	Arch Pharm.	2018	15		School of Physical Sciences
Thermodynamic and conformational analysis of the interaction between antibody binding proteins and IgG	Tanwar, N. and <b>Munde, M.</b>	Int J Biol Macromol.	2018			School of Physical Sciences

Biophysical insight into the heparin-peptide interaction and its modulation by a small molecule	Tiwari, N., Srivastava, A., Kundu, B. and <b>Munde, M.</b>	J Mol Recognit.	2017	<b>15</b>		School of Physical Sciences
Impact of Module-X2 and Carbohydrate Binding Module-3 on the catalytic activity of associated glycoside hydrolases towards plant biomass.	Pasari, N., Adlakha, N., Gupta, M., Bashir, Z., Rajacharya, G. H., Verma, G., <b>Munde, M.</b> , Bhatnagar, R. and Yazdani, S. S.	Sci Rep.	2017			School of Physical Sciences
Experimental Study of relaxation in solid solutions of benzene, hexa-sustituted benzenes. I	Singh, A. K. and <b>Murty, S. S. N.</b>	Thermochimica Acta	2017	<b>13</b>		School of Physical Sciences
Experimental Study of relaxation in solid solutions of benzene, hexa-sustituted benzenes. II	Singh, A. K. and <b>Murty, S. S. N.</b>	Thermochimica Acta	2017			School of Physical Sciences
Finite-range coulomb gas models of banded random matrices and quantum chaotic rotors	<b>Pandey, A., A. Kumar and Puri, S.</b>	Phys. Rev. E	2017	<b>AP-21</b> <b>SP-25</b>		School of Physical Sciences
Distinguishing Galois representations by their normalized traces	<b>Patankar, V. M.</b> and Rajan, C. S.	J. Number Theory	2017	<b>3</b>		School of Physical Sciences
Hidden transition in multiferroic and magnetodielectric CuCrO <sub>2</sub> evidenced by ac-susceptibility	<b>Patnaik, S.,</b> Shukla, K. K., Pal, A., Singh, A., Singh, R., Saha, J., Sinha, A. K., Ghosh, A. K., Awasthi, A. M. and Chatterjee, S.	EPL	2017	<b>25</b>		School of Physical Sciences
Synthesis and characterization of yttrium iron garnet (YIG) nanoparticles - Microwave material	<b>Patnaik, S.,</b> Sharma, V., Saha, J. and Kuanr, B. K.	AIP Advances	2017			School of Physical Sciences
Dramatic variation of the multiferroic properties in Sr doped Ca <sub>1-x</sub> Sr <sub>x</sub> Mn <sub>7</sub> O <sub>12</sub>	<b>Patnaik, S.,</b> Jain, P., Saha, J., Gupta, L.C., Ganguli, A.K. and Chatterjee, R.	AIP Advances	2017	<b>25</b>		School of Physical Sciences
Possibility for conventional superconductivity in Sr <sub>0.1</sub> Bi <sub>2</sub> Se <sub>3</sub> from high-pressure transport studies	<b>Patnaik, S.,</b> Manikandan, K., Shruti, Neha, P., Kalai Selvan, G., Wang, B., Uwatoko, Y., Ishigaki, K., Jha, R., Awana, V.P.S. and Arumugam, S.	EPL	2017			School of Physical Sciences
YIG based broad band microwave absorber: A perspective on synthesis methods	<b>Patnaik, S.,</b> Sharma, V., Saha, J. and Kuanr, B.K.	Journal of Magnetism and Magnetic Materials	2017	<b>25</b>		School of Physical Sciences
Enhanced ferromagnetism in edge enriched holey/lacey reduced graphene oxide nanoribbons	<b>Patnaik, S.,</b> Sahu, V., Maurya, V.K., Singh, G. and Sharma, R. K.	Materials and Design	2017			School of Physical Sciences
Combined effect of oxygen	<b>Patnaik, S.,</b> Kumar,	Journal of	2018			School of

annealing and La-doping in broadening the phase transition of Ba(Zr <sub>0.2</sub> Ti <sub>0.8</sub> )O <sub>3</sub> ceramics	R., Asokan, K. and Birajdar, B.	Alloys and Compounds				Physical Sciences
Magnetic structure driven ferroelectricity and large magnetoelectric coupling in antiferromagnet Co <sub>4</sub> Nb <sub>2</sub> O <sub>9</sub>	<b>Patnaik, S.</b> , Srivastava, P., Chaudhary, S., Maurya, V., Saha, J., Kaushik, S.D. and Siruguri, V.	Solid State Communications	2018	<b>25</b>		School of Physical Sciences
High spin state driven magnetism and thermoelectricity in Mn doped topological insulator Bi <sub>2</sub> Se <sub>3</sub>	<b>Patnaik, S.</b> , Maurya, V.K., Dong, C.L., Chen, C.L. and Asokan, K.	Journal of Magnetism and Magnetic Materials	2018	<b>25</b>		School of Physical Sciences
Evolution of relaxor properties in lanthanum (La) doped barium zirconate titanate	Kumar, R., Asokan, K., <b>Patnaik, S.</b> , Birajdar, B.	<i>Ferroelectrics</i>	2017			School of Physical Sciences
Structure, magnetism and electronic properties in 3d-5d based double perovskite (Sr <sub>1-x</sub> Y <sub>x</sub> ) <sub>2</sub> FelrO <sub>6</sub>	Kharkwal, K. C. and <b>Pramanik, A. K.</b>	J. Phys.: Condens. Matter	2017	<b>10</b>		School of Physical Sciences
Effect of Cu <sup>2+</sup> substitution in spin-orbit coupled Sr <sub>2</sub> Ir <sub>1-x</sub> Cu <sub>x</sub> O <sub>4</sub> : Structure, magnetism, and electronic properties	Bhatti, I.N., Dhaka, R. S. and <b>Pramanik, A.K.</b>	Phys. Rev. B	2017			School of Physical Sciences
Non-Porod Scattering and Non-Integer Scaling of Resistance in Rough Films	Verma, B. R., Banerjee, V. and <b>Puri, S.</b>	J. Phys. Chem. Solids	2017	<b>25</b>		School of Physical Sciences
Random Field Ising Model with Conserved Kinetics: Super-universality Violation, Logarithmic Growth Law and the Generalized Tomita Sum Rule	Kumar, M., Banerjee, V. and <b>Puri, S.</b>	Europhys. Lett.	2017	<b>25</b>		School of Physical Sciences
Coarsening Dynamics of True Morphological Phase Separation in Unstable Thin Films	Narayanam, C., Kumar, A., <b>Puri, S.</b> , and Khanna, R.	Langmuir	2017			School of Physical Sciences
Single Particle Brownian Motion with Solid Friction	Das, P., <b>Puri, S.</b> and Schwartz, M.	Eur. Phys. J.	2017			School of Physical Sciences
Columnar Domains and Anisotropic Growth Laws in Dipolar Systems	Bupathy, A., Banerjee, V. and <b>Puri, S.</b>	Phys. Rev. E	2017	<b>25</b>		School of Physical Sciences
Equilibrium Structure and Off-equilibrium Kinetics of a Magnet with Tunable Frustration	Corberi, F., Kumar, M., <b>Puri, S.</b> , and Lippiello, E.	Phys. Rev. E	2017	<b>25</b>		School of Physical Sciences
Ordering Kinetics in the Random Bond XY Model	Kumar, M., Chatterjee, S., Paul, R. and <b>Puri, S.</b>	Phys. Rev. E	2017	<b>25</b>		School of Physical Sciences
Universality of Domain Growth in Antiferromagnets with Spin-Exchange Kinetics	Das, P., Saha-Dasgupta, T. and <b>Puri, S.</b>	Eur. Phys. J. E	2017	<b>25</b>		School of Physical Sciences
Random-field Ising Model in a Uniform Magnetic Field: Ground States, Pinned	Kumar, M., Banerjee, V. and <b>Puri, S.</b>	Eur. Phys. J. E	2017			School of Physical Sciences

Clusters, and Scaling Laws						
Finite-Range Coulomb Gas Models of Banded Random Matrices and Quantum Kicked Rotors	Pandey, A., Kumar, A. and <b>Puri, S.</b>	Phys. Rev. E	2017	<b>25</b>	School of Physical Sciences	
Coarsening and Pattern Formation during True Morphological Phase Separation in Unstable Thin Films under Gravity	Kumar, A., Narayanam, C., Khanna, R. and <b>Puri, S.</b>	Phys. Rev. E	2017		School of Physical Sciences	
Granular Fluids with Solid Friction and Heating	Das, P., <b>Puri, S.</b> and Schwartz, M.	Granular Matter	2018		School of Physical Sciences	
Ordering Dynamics of Self-Propelled Particles in an Inhomogeneous Medium	Das, R., Mishra, S. and <b>Puri, S.</b>	Europhys. Lett.	2018		School of Physical Sciences	
A co-operative effect of visible light photo-catalysis and CoFe <sub>2</sub> O <sub>4</sub> nanoparticles for green synthesis of furans in water	Verma, F., Singh, P. K., Bhardiya, S. R., Singh, M., <b>Rai, A.</b> and Rai, V. K.	New J. Chem.	2017	<b>13</b>	School of Physical Sciences	
Facile construction of AuNPs modulated SDS wrapped G-TC tailored electrode for sensitive detection of ascorbic acid	Kashyap, H., Singh, P. K., Verma, F., Rai, V. K., <b>Rai, A.</b> , Singh M.	New J. Chem.	2017		School of Physical Sciences	
Graphene oxide catalyzed C-N/C-S/[3+2] cyclization cascade for green synthesis of thiazolidinone in water	Mahata, S., Sahu, A., Shukla, P., <b>Rai, A.</b> , Singh, M. and Rai, V. K.	Lett. Org. Chem.	2018		<b>13</b>	School of Physical Sciences
First graphene oxide promoted metal-free nitrene insertion into olefins in water: towards facile synthesis of activated aziridines	Shukla, P., Mahata, S., Sahu, A., Singh, M., Rai, V. K. and <b>Rai, A.</b>	RSC Advances	2017		<b>13</b>	School of Physical Sciences
Bio-inspired unprecedented synthesis of reduced graphene oxide: a catalytic probe for electro-/chemical reduction of nitro groups in an aqueous medium	Mahata, S., Sahu, A., Shukla, P., <b>Rai, A.</b> , Singh, M. and Rai, V. K.	New J. Chem.	2017	<b>13</b>	School of Physical Sciences	
One-Pot Allan–Robinson/Friedländer Route to Chromen-/Quinolin-4-ones through the Domino Acetylation/Cyclisation of 2-Hydroxy-/2-Aminobenzaldehyde	Rai, V. K., Verma, F., Sahu, G. P., Singh, M. and <b>Rai, A.</b>	Eur. J. Org. Chem.	2018		School of Physical Sciences	
Morita-Baylis-Hillman enal-based triple cascade strategy for anti-selective synthesis of highly functionalized tetrahydropyridines using iminium-enamine catalysis	Rai, V. K., Verma, F., Satnami, M., Singh, M. and <b>Rai, A.</b>	Tetrahedron Lett.	2018		<b>13</b>	School of Physical Sciences
Emergence of chimeras through induced multistability	Ujjwal, S. R., Punetha, N., Prasad, A., and <b>Ramaswamy, R.</b>	Physical Review E	2017		<b>30</b>	School of Physical Sciences
Emergent organization in a	Yadav, A. C.,	Physica A	2017		School of	

model market	Manchanda, K., and <b>Ramaswamy, R.</b>					Physical Sciences
Collective dynamics in heterogeneous networks of neuronal cellular automata	Manchanda, K., Bose, A., and <b>Ramaswamy, R.</b>	Physica A	2017			School of Physical Sciences
A mechanism for the 1/f noise	Yadav, A. C., <b>Ramaswamy, R.</b> and Dhar, D.	Physical Review E	2017	<b>30</b>		School of Physical Sciences
Coupled Lorenz oscillators near the Hopf boundary: Multistability, intermingled basins, and quasi-riddling	Wontchui, T. T., Effa, J. Y., Fouda, H. P. E., Ujjwal, S. R., and <b>Ramaswamy, R.</b>	Physical Review E	2017	<b>30</b>		School of Physical Sciences
Time-delayed conjugate coupling in dynamical systems	Sharma, A., Shrimali, M. D., Prasad, A., and <b>Ramaswamy, R.</b>	European Journal of Physics	2017			School of Physical Sciences
Directional synthesis of $\alpha$ -AgFe(MoO <sub>4</sub> ) <sub>2</sub> from {Mo <sub>72</sub> Fe <sub>30</sub> }-type Keplerate	Tandekar, K., <b>Sabbani, S.</b>	New J. Chem.	2017	<b>4</b>		School of Physical Sciences
Largest dataset test of Birch's law for sound propagation at high pressure	Umesh C. Roy and <b>Sarkar, S. K.</b>	Journal of Applied Physics	2017	<b>8</b>		School of Physical Sciences
Synthesis, docking, and preliminary in vitro/in vivo evaluation of MPP-dithiocarbamate-capped Ag nanoparticle as dual-imaging agent	Chaturvedi, S., Lal, S., <b>Sen, P.</b> and Mishra, A. K.	International Journal of Nanomedicine	2018	<b>13</b>		School of Physical Sciences
Water-driven stabilization of cadmium sulphide nanoparticles	Goswami, N. and <b>Sen, P.</b>	Applied Surface Science	2017			School of Physical Sciences
Dynamics of Water and Ions around DNA: What's So Special About Them?	Shweta, H., <b>Sen, S.</b>	J. Biosciences	2018	<b>22</b>		School of Physical Sciences
<i>Ras Hyperactivation Versus Overexpression: Lessons from Ras Dynamics in Candida Albicans</i>	Pratyusha, V. A., Victoria, G. S., Khan, M. F., Haokip, D. T., Yadav, B., Pal, N., Sethi, S. C., Jain, P., Singh, S. L., <b>Sen, S.</b> and Komath, S. S.	Sci. Rep.	2018			School of Physical Sciences
Effect of T·T Mismatch on DNA Dynamics Probed by Minor Groove Binders: Comparison of Dynamic Stokes Shifts of Hoechst and DAPI	Shweta, H., Singh, M. K., Yadav, K., Verma, S. D., Pal, N. and <b>Sen, S.</b>	J. Phys. Chem. B	2017	<b>22</b>		School of Physical Sciences
<i>Probe-location Dependent Resonance Energy Transfer at Lipid/Water Interfaces: Comparison between the Gel- and Fluid-Phase of Lipid Bilayer</i>	Singh, M. K., Khan, M. F., Shweta, H. and <b>Sen, S.</b>	Phys. Chem. Chem. Phys.	2017	<b>22</b>		School of Physical Sciences
<i>Multidrug ABC Transporter Cdr1 of Candida Albicans Harbors Specific and Overlapping Binding Sites for Human Steroid</i>	Baghel, P., Rawal, M. K., Khan, M. F., <b>Sen, S.</b> , Siddiqui, M. H., Chaptal, V., Falson, P. and	BBA-Biomembrane	2017			School of Physical Sciences

<i>Hormones Transport</i>	Prasad, R.					
Some properties of distal actions on locally compact groups	Raja, C. R. E. and <b>Shah, R.</b>	Ergodic Theory and Dynamical Systems	2017	<b>6</b>		School of Physical Sciences
Shape and Size-Dependent Magnetic Properties of Fe <sub>3</sub> O <sub>4</sub> Nanoparticles Synthesized Using Piperidine	Singh, A. K., Srivastava, O. N. and <b>Singh, K.</b>	Nanoscale Research Letters	2017	<b>20</b>		School of Physical Sciences
Annealing effect on thermal conductivity and microhardness of carbon nanotube containing Se <sub>80</sub> Te <sub>16</sub> Cu <sub>4</sub> glassy composites	Upadhyay, A. N., Tiwari, R. S. and <b>Singh, K.</b>	Mater. Res. Express	2018	<b>20</b>		School of Physical Sciences
An effective approach to study the biocompatibility of Fe <sub>3</sub> O <sub>4</sub> nanoparticles, graphene and their nanohybrid composite	Singh, A. K., Singh, P., Verma, R. K. Yadav, S., <b>Singh, K.</b> and Srivastava, A.	Applied Nanoscience				School of Physical Sciences
Experimental Validation of Ferromagnetic–Antiferromagnetic Competition in Fe <sub>x</sub> Zn <sub>1-x</sub> Se Quantum Dots by Computational Modeling	Bindra, J. K., Gutsev, L. G., Van Tol, J., <b>Singh, K.</b> , Dalal, N. S. and Strouse, G. F.	<i>Chemistry. Materials.</i>	2018	<b>20</b>		School of Physical Sciences
Lightweight Reduced Graphene Oxide-Fe <sub>3</sub> O <sub>4</sub> Nanoparticle Composite for the Quest of Excellent Electromagnetic Interference Shielding Material	Singh, A. K., Kumar, A., Haldar, K. K., Gupta, V. and <b>Singh, K.</b>	<i>Nanotechnology</i>	2018			School of Physical Sciences
			<b>2016</b>	<b>09</b>		<b>School of Life Sciences</b>
ALR				30		<b>School of Environmental Sciences</b>
PR				17		School of Environmental Sciences
SY				13		School of Environmental Sciences
KM				13		School of Environmental Sciences
SM				39		School of Environmental Sciences
RM				11		School of Environmental Sciences
						<b>CPS, SSS</b>

1.State Formation and the Political Economy of India: The Rudolphian Paradigm	Asha Sarangi	India Review	2017	4	11	Centre for Political Studies, Jawaharlal Nehru University, New Delhi, India
2. Indian Parliament and Its mode of Political Representation	Asha Sarangi	The Indian Parliament and Democratic Transformation	2018		11	
3. Vernacularizing the Past: Writing New Political Histories in Contemporary India	Asha Sarangi	Anekantanu bhava: A Journal of South Asian History, Society and Culture	2018		11	
4. Scripts, Regions and States of the Konkani Language in Independent India	Asha Sarangi	South Asian History and Culture	2017		11	
5. On Student Politics, State and Violence	Rajarshi Dasgupta	Seminar	March 2017	4		Jawaharlal Nehru University
6. Frontier Urbanism: Urbanisation beyond Cities in South Asia	Shubhra Gururani and Rajarshi Dasgupta	Economic and Political Weekly	March 2018	4		Jawaharlal Nehru University
7. How effective is inclusive innovation without participation?	Papia Sengupta	Geoforum	2016	04	04	Jawaharlal Nehru University
8. Language as Identity in Colonial India: Policies and Politics	Papia Sengupta	Palgrave Macmillan, book	2018	06	06	Jawaharlal Nehru University
9. Politics of Counter-narratives and Appropriation	V. Bijukumar	Economic and Political Weekly	2017	1	1	JNU
						<b>CSSS, SSS</b>
Incremental Innovations, Information Contagion, and Path Dependence: The Case of Drinking Water Purification Technologies in Urban India	Talat, N., Bhaduri, S.	Industrial and Corporate Change	2017	92	0	JNU
How to Commercialise University-Generated Knowledge Internationally? A Comparative Analysis of Contingent Institutional Conditions	Kalantaridis, C., Küttim, M., Govind, M., Sousa, C.	Technological Forecasting and Social Change	2017	86	0	JNU
Current and Emerging Trends in Bioremediation of Petrochemical Waste: A Review	Singh, P., Borthakur, A., Jain, R., (...), Tiwary, D., Mishra, P.K.	Critical Reviews in Environmental Science and Technology	2017	78	2	JNU
Understanding the Dynamics of Global	Das, A.K.	Science and Public Policy	2017	51	0	JNU

Entrepreneurship						
Understanding the Economics of the Internet and the Economic Processes of the e-Businesses	Das, A.K.	Science and Public Policy	2017	51	0	JNU
Activism and the Globalisation of a Cause: Access to Medicines in the Fight Against Counterfeiting	Quet, M., Al Dahdah, M.	Sociologie du Travail	2017	22	0	JNU
Values in Motion: Anti-Counterfeiting Measures and the Securitization of Pharmaceutical Flows	Quet, M.	Journal of Cultural Economy	2017	18	0	JNU
Going South. How STS could think science in and with the South?	Dumoulin Kervran, D., Kleiche-Dray, M., Quet, M.	Revue d'Anthropologie des Connaissances	2017	11	0	JNU
Community Participation or Manufactured Consent? Strategies for Implementation of Drinking Water Project 'Jalanidhi' in Kerala (India)	Govind, M., Babu, A.	International Journal of Rural Management	2017	8	0	JNU
Regions, Knowledge Communities and Innovation Dynamics: A Case of Bengaluru Biocluster in India	Pandey, N., Desai, P.N.	Asian Biotechnology and Development Review	2017	7	0	JNU
Public Understandings of E-waste and Its Disposal in Urban India: From a Review towards a Conceptual Framework	Borthakur, A., Govind, M.	Journal of Cleaner Production	2018	132	0	JNU
A Review on Biodegradation and Photocatalytic Degradation of Organic Pollutants: A Bibliometric and Comparative Analysis	Singh, P., Borthakur, A.	Journal of Cleaner Production	2018	132	0	JNU
Exploring Temple Floral Refuse for Biochar Production as a Closed Loop Perspective for Environmental Management	Singh, P., Singh, R., Borthakur, A., (...), Srivastava, V.C., Mishra, P.K.	Waste Management	2018	114	0	JNU
Pharmaceutical Capitalism and its Logistics: Access to Hepatitis C Treatment	Quet, M.	Theory, Culture and Society	2018	91	0	JNU
Computer and Mobile Phone Waste in Urban India: An Analysis from the Perspectives of Public Perception, Consumption and Disposal Behaviour	Borthakur, A., Govind, M.	Journal of Environmental Planning and Management	2018	54	0	JNU
Technologies to Alleviate Pollution: Air and Water Purification	Talat, N.	Economic and Political Weekly	2018	39	0	JNU
Frugality and cross-sectoral policymaking for food security	Bhaduri, S., Sinha, K. M., & Knorringer, P.	NJAS-Wageningen Journal of	2018	34	2	JNU

		Life Sciences				
Challenges in diabetology research in India	Jena, S., Mishra, B., Yadav, A., Desai, P. N.	Diabetes and Metabolic Syndrome: Clinical Research and Reviews	2018	22	0	JNU
Management of the challenges of electronic waste in India: an analysis	Borthakur, A., Govind, M.	Waste and Resource Management	2018	12	1	JNU
IndiaLICS International Conference 2017: A Report of Special Sessions	Borthakur, A., Das, A.K.	Journal of Scientometric Research	2018	8	0	JNU
European Union's General Data Protection Regulation, 2018: A Brief Overview	Das, A.K.	Annals of Library and Information Studies	2018	6	0	JNU
Delhi Declaration on Open Access 2018: An Overview	Das, A.K.	Annals of Library and Information Studies	2018	6	0	JNU
Technological Capabilities in the Indian Ayurveda Medicine Industry: Lessons for 'Industrialisation' of Alternative Medicine in the Post-WTO Regime	Arya, A., Bhaduri, S.	African Journal of Science, Technology, Innovation & Development	2018	5	0	JNU
Digital Passages: Migrant Youth 2.0 Diaspora, Gender and Youth Cultural Intersections	Das, A.K.	Diaspora Studies	2018	2	0	JNU

**JNU SCHOOLS/CENTRES CONSOLIDATED INFORMATION**

S. No.	Schools	No. of Books Published	No. of Articles	No. of Chapters in Books	No. of National/International Seminar/Conference Participated			No. of National/International Seminar/Conference Organized	No. of National / International Awards/Honours/ Fellowships	Number of lectures delivered outside JNU by our faculty members and Research Staff		
					I	N	Total			I	N	Total
1	SAA	8	18	26	38	87	125	44	4	26	78	104
2	SBT	0	61	7	8	59	67	17	13	0	6	6
3	SC&IS	0	87	2	7	17	24	6	6	8	30	38
4	SC&SS	0	64	41	0	46	46	3	1	5	57	62
5	SES	3	159	11	11	25	36	4	14	8	15	23
6	SIS	14	80	54	99	233	332	121	16	67	77	144
7	SLL&CS	57	74	48	63	300	363	72	22	35	114	149
8	SLS	2	75	7	7	88	95	7	5	10	23	33
9	SPS	0	118	5	13	49	62	4	4	9	37	46
10	SS&IS	0	14	2	3	52	55	0	5	3	29	32
11	SSS	45	202	103	151	512	663	167	41	60	334	394
12	SCL&G	4	9	9	8	41	49	3	3	2	39	41
13	SCDR	0	0	0	0	0	0	5	0	0	0	0
14	SCMM	0	37	6	1	18	19	0	0	2	12	14
15	SCNS	0	42	3	6	17	23	1	0	0	0	0
	<b>Total</b>	<b>133</b>	<b>1040</b>	<b>324</b>	<b>415</b>	<b>1544</b>	<b>1959</b>	<b>454</b>	<b>134</b>	<b>235</b>	<b>851</b>	<b>1086</b>