

(Post Accreditation report)

REPORT: 2011-16

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1. Academic Activities and Achievements:

a. Faculty Output

Particulars	2011-12	2012-13	2013-14	2014-15	2015-16
Books	115	101	126	133	169
Chapters in books	237	252	259	303	379
Papers/ Articles in Journals	632	560	640	943	983
Participation in Seminars / conferences / Workshops	1349	1305	1579	1786	2013
Lectures delivered (outside JNU)	687	842	831	974	1047
Research Projects	276	342	330	450*	475*

* included UPE-II Projects

b. Degree / Certificate Awarded:

Degree/ Diploma	2011-12	2012-13	2013-14	2014-15	2015-16
Ph.D.	454	414	510	623	601
M.Phil.	615	621	731	611	555
M.Tech.	26	45	44	37	40
M.A	678	713	701	844	873
M.Sc./MCA/MPH	112	112	120	198	106
B,A (Hons.)/ (Pass)	213	246	240	224	241
Advance Diploma/Diploma/ Certificates	62	73	32	64	78

c. Students Strength:

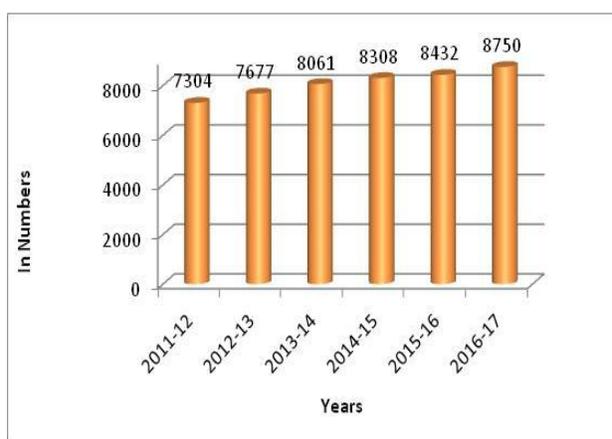


Fig: Total Number of Students Enrolled (2011-12 to 2016-17)

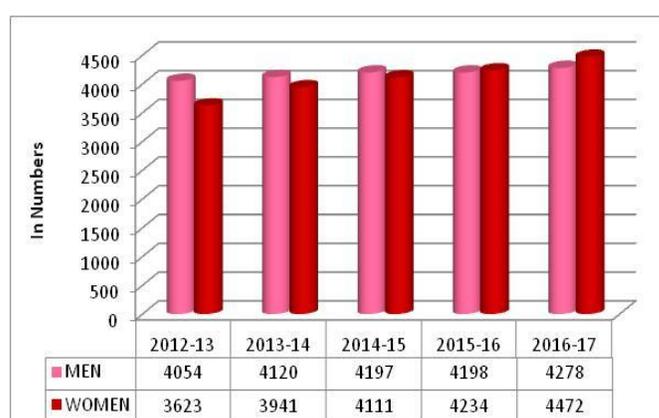


Fig: Male / Female distribution among students

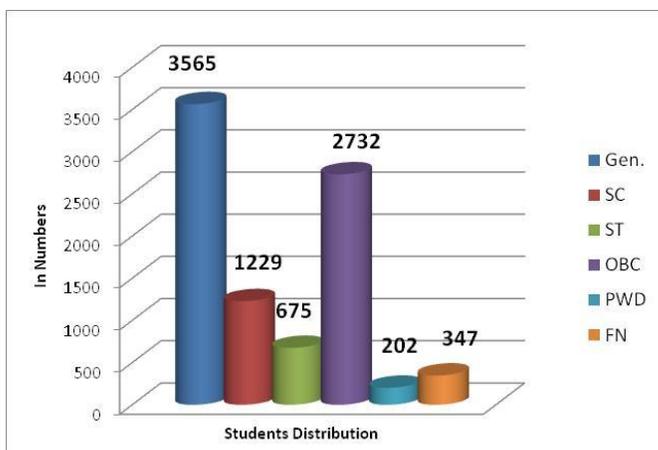


Fig: Distribution of students – Category wise (2016-17)

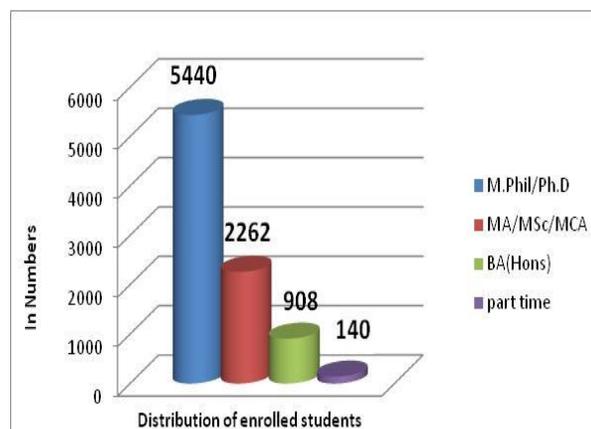


Fig: Distribution of students – programme wise (2016-17)

d. Faculty Strength

	Sanctioned Strength					
	UR	SC	ST	OBC	PWD*	Total
Professor	155	29	14	0	6	198
Associate Professor	284	54	27	0	11	365
Assistant Professor	173	50	24	90	11	337
Total	612	133	65	90	28	900
	Filled-up					
	UR	SC	ST	OBC	PWD*	Total
Professor	108	9	0	0	3	117
Associate Professor	224	18	3	0	1	245
Assistant Professor	179	34	13	31	7	257
Total	511	61	16	31	11	619
	Vacant Position					
	UR	SC	ST	OBC	PWD*	Total
Professor	47	20	14	0	3	81
Associate Professor	60	36	24	0	10	120
Assistant Professor	-6	16	11	59	4	80
Total	101	72	49	59	17	281

* The reservation for Persons with Disabilities (PwD) is maintained horizontally cut across vertically i.e. interlocking. Thus, such posts are included in UR, SC, ST & OBC Category.

e. Faculty Recruitment (2012-13 to 2015-16)

2012-13							
Post	Category				PH		
	UR	SC	ST	OBC	VH	HH	OH
Professor	-	01	-	-	-	02	-
Associate Professor	-	-	-	-	-	-	01
Assistant Professor	25*	09	04	16	01	-	-
2013-14							
Post	Category				PH		
	UR	SC	ST	OBC	VH	HH	OH
Professor	14*	03	-	-	-	-	-
Associate Professor	18	06	01	-	-	-	-
Assistant Professor	11*	04	-	03	-	01	-
2014-15							
Post	Category				PH		
	UR	SC	ST	OBC	VH	HH	OH
Professor	07	03	-	-	-	-	-
Associate Professor	19	06	-	-	-	-	-
Assistant Professor	10	04	03	04	-	02	01
2015-16							
Post	Category				PH		
	UR	SC	ST	OBC	VH	HH	OH
Professor	14	05	01	-	-	-	-
Associate Professor	30	07	02	-	-	-	-
Assistant Professor	17	06	03	10	-	-	-

f. Number of new course(s) started during 2011-12 to 2016-17

Academic Year 2013-14

1. M.Phil./Ph.D. in Korean (KORP)
2. M.A in Philosophy
3. Direct Admission to Ph.D Programme in Media Studies
4. Direct Admission to Ph.D Programme in Informal Sector & Labour Studies
5. Direct Admission to Ph.D. Programme in North East India Studies

Academic Year 2014-15

1. M.Phil./Ph.D. in Women Studies
2. Pre-Ph.D./Ph.D. in Chemical Sciences
3. M.A. in German Literature
4. M.A. in German Translation/Translation & Interpretation
5. Direct Admission to Ph.D. in Human Rights Studies Programme
6. Direct Admission to Ph.D. in Energy Studies Programme
7. Pre-Ph.D./Ph.D. in Nano Sciences under NET/JRF category

Academic Year 2015-16

1. M.Phil./Ph.D. in Discrimination and Exclusion Studies
2. M.Phil./Ph.D. in Media Studies
3. M.A. in Development and Labour Studies
4. Integrated M.Sc.-Ph.D. Programme in Computational and Integrative Sciences
5. Integrated M.Sc.-Ph.D. Programme in Molecular Medicine
6. B.A. (Hons.) 1st Year in Pushto
7. Certificate of Proficiency in Pali

Academic Year 2016-17

1. M.Phil./Ph.D. in Comparative Politics and Political Theory
2. M.Phil./Ph.D. in North East India Studies

3. Ph.D. under the Vivesvaraya Fellowship Scheme for Electronics and IT
4. M.A. in International Relations and Area Studies
5. B.A. (Hons.) 2nd Year in Pushto

2. University Ranking:

- NAAC- (3.91),
- NIRF'16 : 3rd among Universities,
- NIRF'17: 2nd among Universities / 6th among Overall NIRF Ranking.
- Visitor's Award for the Best University from the Present of India in Year2016
- Ranked in top 100 in Times Higher Education Asia and BRICS ranking.
- Ranked #1 in India's premier multidisciplinary university league (Education World India Ranking 2015).
- Ranked #3 in Nelson Ranking.
- As per THE WEEK- Hansa Research Survey 2016, JNU holds 2nd rank among the top multi-disciplinary universities all India for the second consecutive year, 2015 and 2016. .
- JNU has stood in top 100 University in BRICS ranking
- Two of our Centres, Centre for English Studies and Centre for the Study of Social Systems are ranked among the top 100 Departments in the Times Higher Education Rankings.

3. University with Potential for Excellence (UPoE)-II

UGC has sanctioned Rs.60.00 Crores for undertaking research in the two focus areas:

- (1) **Genomics and Proteomics** in the Systems of Biological and Environmental Origin employing physical and nano-sciences techniques, and
- (2) **Globalization, national development and knowledge systems interfacing economy, politics, society and culture.** Under this scheme, 164 interdisciplinary projects from 350 faculty members have been processed for implementation online employing e-governance tools.

4. No of SAP(Special Assistance Programme) Departments – 12

S.No	Center/School	Tenability
1	Center for the Study of Social Systems/ School of Social Sciences	2013-18
2	Center for Historical Studies/SSS	2015-20
3	Zakir Hussain Center for Educational Studies/SSS	2015-20
4	Center for English Studies/School of Language, Literature and Culture Studies (SLL&CS)	2015-20
5	Center for Political Studies/SSS	2015-20
6	Special Center for Molecular Medicine (SCMM)	2015-20
7	School of Physical Sciences(SPS)	2015-20
8	School of Environmental Sciences (SES0	2015-20
9	School of Biotechnology(SBT)	
10	School of Life Sciences (SLS)	
11	Center for the Study of Regional Development, CSR/D/SSS	
12	Center for Economic Studies and Planning, SSS	

5. **No. of Area Study Programmes – 6 as per the details given below:**

S.No	Center/School	Tenability
1	Center for Russian and Center Asian Studies, SIS	
2	Center for West Asian Studies/SIS	
3	Center for African Studies/SIS	2014-19
4	Center for Inner Asian Studies/SIS	2014-19
5	Center for South Asian Studies/SIS	2014-19
6	Center for European Studies/SIS	2014-19

6. **DST's PURSE scheme:**

In recognition of the improved performance and based on the various criteria, JNU has been awarded Rs.32.00 cores under the PURSE grant Scheme. (2014-2018)

7. **Number of Patents**

Calendar Year	2015	2014	2013	2012
No. of Patents Filed	6	1	4	9
No. of Patents Published	1	1	0	0
No. of Patents Granted	1	1	0	3
No. of Patents Licensed	0	0	0	0

8. **Establishment of Trans-disciplinary Clusters:**

- Energy Studies
- Understanding Complex System
- Chemical, Synthetic and System Biology
- Climate Change
- Silk Road Studies
- Human Infectious Diseases
- Human Cognition
- Disaster Management

9. **Student mentoring process/practice of JNU :**

The University has around 600 specialized faculties who are dedicated for all-round development of the students. The faculty selection is made in accordance with the provisions of the Statutes and as per the UGC guidelines. The JNU faculty is widely known for excellence in teaching and research. Faculty members are sincerely mentoring the students of their school/centre. Structural composition of support and mentoring system includes three major points-

- **Focus 1:-** Academic development: Mentoring of the students for academic development is achieved through classroom teaching, laboratory work in the respective schools/centres. Field work is also a part of curriculum.
- **Focus 2:-** Research: JNU has been promoting research by students and faculty. Faculty members have been able to attract competitive research grants from many national and international funding agencies. Currently, more than 300 research projects are running in the

University. Research grants are also received from DST, DBT, ICMR, CSIR, UGC, ICSSR, ICHR, ICCR, Ministries, European Union, European Commission, Ford Foundation, Welcome Trust etc. In addition to research projects, faculty members are also encouraged to undertake consultancy projects. University has also set up an Advanced Instrumentation Research facility where state of the art equipments have been installed to meet the requirements of many science schools/special centres. University has also set up an Intellectual Property Management (IPM) Cell to facilitate filing of patents and technology transfers.

- **Focus 3:-** Personality and leadership quality development: In addition to academic development, Personality and leadership quality development of the students are also given priority. The students are given opportunity to develop their communication skills through debates & seminars; physical development through sports and organizing skills through different events. The students are engaged in a number of co-curricular activities.

Apart from classroom interaction, the students are provided opportunities to participate in various national/international seminars/conferences. Several of their papers have been accepted for presentation in these conferences/seminars both within and outside the country. They have won awards and medals also. The University provides financial support to the confirmed Ph.D. students for presentation of papers in seminars/conferences. Besides, students have participated in various cultural and curricular activities as illustrated in the annual report. The students are given some project work. The students are being encouraged to participate in field campaigns related to their research problems.

10. **Creation and Strengthening cells:**

- **Internal Quality Assurance Cell (IQAC)**

The main objective of IQAC is to promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices in the university. To meet this objective, IQAC has been able to focus on the followings issues

- Recruitment and promotion related issues.
- API related issues
- Preparation of AQAR and NAAC related activities

- **Institutional Ethics Review Board (IERB)**

The university has an Institutional Ethics Review Board (IERB) was established in 2008 for bringing in greater responsibility, transparency and accountability into research which involves 'human subjects'. It reviews research proposals submitted by the faculty members and also M.Phil / Ph.D research involving human participants.

- **Linguistic Empowerment and Capacity Building Cell**

Linguistic Empowerment Cell (LEC) is a unique capacity building system evolved by JNU to empower the students. It caters to the linguistic needs of these students who may find it hard to cope with their regular programs in their respective schools and centres primarily for reasons of language.

Courses Offered

English Language Courses to cater to the academic needs in English of JNU students. Every semester the two levels of English Language Course conducted are:

- Basic Communication Courses:
- English for Academic Purposes

- English for Official Communication
- Basic Hindi for Non-native Speakers
- Sanskrit for Beginners
- English Classes for wards of JNU SC/ST Staff

○ **Mathematical and Computational Empowerment Cell**

The Cell has been offering intensive courses regularly for students as a fair degree of competence and skill in the application of mathematical, statistical and computational frameworks has become indispensable for pursuing advanced academic research in any discipline. Students have shown great interest in this programme which is offered in each semester. The Mathematical & Computational Empowerment Cell offers courses (Basic & Advance levels) on:

- (1) **Mathematics**
- (2) **Probability & Statistics**
- (3) **Computational Techniques and Data Analysis**

○ **International Collaboration Cell**

A large number of Universities from all over the world are seeking academic collaboration with JNU. This is essential for pooling and exchange of information, for sharing of experiences, resources and research findings. With the advancement of communication technology, the global internet exchange provides us a great opportunity to help students better equip themselves with knowledge and skills. During the year under report, following Memorandum of Understanding (MoU) and Agreement of Cooperation (AoC) were signed with various foreign Universities/ Institutions:

As on date, there are 104 functional MoUs and 61 AoCs signed with various Universities/ institutions.

Student Exchange Agreement

- Faculty of Language, Literature and Culture, Justus Leibig University, Giessen, Germany
- National Chengchi University, Taiwan
- Graduate School of Language & Culture School of Foreign Studies, Osaka University, Japan
- University of Bern, Switzerland
- University of Konstanz, Germany
- The Ecole Normale Superieure De Lyon, France

○ **Placement Cell**

- Placement Cell is being developed as a decentralized system in coordination with Schools/ Special Centres;
- Schools and Centres will also individually be enriched for placement activities;
- The Placement Cell will be upgraded as a Career Orientation Cell, in place of Placement Cell once it becomes fully operational; and
- The main objective of the Placement Cell is to encourage students to develop desired skills as per requirements of industry, etc. Once online system becomes functional the activities of the Placement Cell will be further enhanced.

○ **Community Engagement Cell**

Objectives:

- To promote Sustainable Development and Inclusive Growth

- To establish the important but missing link amid the students and the community through the application of academic learning to real human needs
- To extend academic learning beyond the situation in which learning has occurred to the situations where it is most required
- To provide our students, an opportunity to integrate their knowledge with practice
- To provide our students with enough opportunities to increase their personal, interpersonal and social development skills
- To encourage a positive lifestyle in the campus.

Voluntarism & voluntary mobilization

- The entire activity and administration of CEC is being managed by a pool of number 74 students and teacher volunteers.

Selection of villages/slums

- 04 out of 05 Villages/slums namely, (a) Kusumpur Pahadi (nearly 70 thousand population) near Vasant Vihar; (b) Coolie Camp (nearly 1500 population) near Red Traffic Light between JNU and Munirka; (c) Moti Lal Nehru Camp (nearly 4 thousand population) adjacent to National Institute of Family Planning and Health (NIFPH), between Munirka and Ber Sarai; and (d) Jai Hind Bengali Tola near Masoodpur village in Vasant Kunj have been identified.

The CEC's objective is to work on following programs among the target communities inhabiting the 5 slums/villages we have identified:

- Literacy Programs including basic adult literacy, financial literacy, legal literacy, environment literacy, health, hygiene and sanitation, digital literacy and family literacy .
- Remedial Classes for School-going children
- Bridge Program for school drop-outs
- Vocational Skills Training Programs
- Linguistic Empowerment Programs
- Community Awareness Programs
- Team-building (Group/Village Planning)
- Personality Development
- Business Communication
- Secretarial Practice
- Capacity-Building Workshops

○ **Translation Cell**

○ **Intellectual Property Management Cell**

The IPM cell will assist the University to manage its intellectual property (IP), provide services for IP patenting, copyright and licensing to all Schools/Centres of the University. IPM cell will assist the University to file patent applications in India/abroad and execute other documents; execute license, and material transfer agreements; enter into confidentiality and non-disclosure agreements, and execute other documents related to Intellectual property and confidentiality/non-disclosure agreement. The IPM cell will handle IPR related issues such as copyright for publications, software, etc. The cell will also assist the investigators on technology mapping/ technology scanning of important projects being undertaken. http://www.jnu.ac.in/IPM_Cell/

○ **Disability Cell with in Equal Opportunity Office**

Equal Opportunity Office has undertaken several activities like organizing remedial classes, workshops, seminars and lectures, striving to create a barrier free campus for the disabled, setting up of ATMs accessible to the disabled, procurement of wheel-chairs, installed Lifts in various buildings for facilitating the independence and mobility of the

persons with disabilities, constructed toilets on the ground floor of the hostels to make them more disabled-friendly, blind sticks, mini bus for physically challenged students, providing Laptop customized software for VH students, . etc. Additional facilities made available to students include: Laptops to 40 M.Phil. and Ph.D scholars, Wheelchairs to 15 for Physically challenged students.

11. The Jawaharlal Nehru Institute of Advanced Studies (JNIAS) :

JNIAS was set up nearly fifteen years ago and it is unique that for the first time in India, such an Institute has been incorporated as part of a public university. As the JNIAS completes over 15 years to expand its outreach and visibility and emerges as a distinct Institute at global level, around 200 scholars from all over the world have come to the Institute as Fellows. A list of the scholars and their research interests can be seen under 'Scholars Invited'.

The Fellows are selected by the JNIAS and are integrated into the academic community of the university. The JNIAS has also collaborated in organizing a number of workshops and seminars.

12. Human Resource Development Center (HRDC) :

Academic Staff College, renamed by UGC as UGC-Human Resource Development Center has tried to encourage participants to develop multi-disciplinary approaches and finer understanding and skills.

13. Inter-University Consortium (IUC)

An Inter-University Consortium (IUC) on Himalayan Cyrsphere & Climate Change was formed in coordination with four Universities; Jammu University, Sikkim Central University, Doon University and JNU with a funding of 18.2 crores by DST. IUCCCC involves engagement in cutting-edge research by two JNU Schools (SIS and SSS) as well as four leading national Universities (JNU, KU, JU and SU). Further details on the Consortium are available at:

<http://www.iucccc.in/Contact%20us.htm>

14. Other Initiatives

- Implementation of Online application system for Recruitment System for various teaching and non-teaching posts.
- Implementation of Online and Single-window Admission and Registration System
- Establishment of a Census Data Centre at Centre for the Study of Regional Development, School of Social Sciences.
- Strengthened Equal Opportunity Office by PwDs grievance redressal mechanism.
- Enhanced accessibility of Internet, Email, Wi-Fi , Optical Fibre Networking, JNU Private Cloud Services and eGovernance Applications of the University
- Adoption and implementation of Global Initiative for Academic Networks (GIAN)
- Massive Open Online Courses (MOOCs): JNU has submitted 9 papers (details are available [http:// www.jnu.ac.in/mooc/courses.htm](http://www.jnu.ac.in/mooc/courses.htm)) which can be offered through MOOCs platform. Implementation of Central Learning Management System is being initiated.
- Signed an agreement with Indraparastha Gas Limited for laying of PNG pipeline in the JNU campus for providing PNG connections in 17 hostels, office buildings and residences. Work of laying of PNG pipeline in the JNU has already commissioned and is now functional.
- Under disabled Scheme: Rural Electrification Corporation Ltd Under its CSR initiative gave financial assistance to JNU for distribution of 50 laptops with customized software for the

visually impaired students of JNU pursuing higher education which have been provided to these students. BHEL donated a disabled friendly A/C mini bus to JNU which is wheelchair assembled mini bus under its CSR project costing about Rs.30 lakh. A 95% disabled student has been awarded PhD on the title Brain-computer interface in the School of Computer and System Sciences. This has been possible due to enabling atmosphere and student's zeal.

- **JNU Press:** Decided to set up of a JNU Press through Open Access System to facilitate publications and wider dissemination of the research work of JNU faculty/Scholars. The modalities are being finalized.
- Organized Video Conferences of the Hon'ble President of India with students and faculty participation many times
- Implemented printing of degrees and certificates in bilingual form.
- Implementation of Thesis Tracking System to monitor reports from External and Internal Examiners in time. This system is extended to all Schools and Special Centers.
- Expansion of Campus Wide Wireless Networking and Optical Fibre Networking
- Developing an archive for institutional memory.
- Implemented System for e-complaints for civil and electrical maintenance work.
- A documentary film on "JNU- The Dream and the Vision" prepared portraying all that JNU stands for.
- JNU has applied for Atal Incubation Centre.
- Applied for setting up Community Radio Station at JNU
- Ministry of New and Renewable Energy sanctioned 200 solar street lights to be installed in JNU.
- Recognized Lal Bahadur Shastri National Academy of Administration (LBSNAA) Massuri, for award of their 2-year Master of Arts degree in Public Management under Section 5(13) of the JNU Act.
- Implemented Credit transfer system in many courses.
- Prof. Krishnamurthy Natarajan, School of Life Sciences, has been permitted to function as Co-founder and non-Executive Director, to form a Biotechnology start-up company With the aim to identify therapeutic molecules for skin disorders such as Vertigo as per Ministry of Science & Technology guidelines.
- Waste-water purification by Graphene based nano-composites.
- Nanostructure Photo-voltaic or Nano PV.
- Nanostructures for Energy Storage, i.e, batteries, super-capacitors
- Industry-academia inter-linkages: The following three MoUs have been signed between JNU and industry in the presence of the Hon'ble President of India during the Central Universities Vice-Chancellors' Conference held during 16-18 Nov. 2016 at Rashtrapati Bhawan
 - (1) Eurofins Clinical Genetics India Pvt. Ltd. on "Development of Single-cell derived clonal spheroids as a tool for drug discovery in cancer research"
 - (2) Dr. Lal Pathlabs limited, New Delhi on "Development of the Nano-Electronics-Biosensors based low cost point of care multipurpose DNA detection platform"
 - (3) Shamukha Innovations Pvt. Ltd., Bangalore on "Optofuidics based Point-of-Care (POC) Diagnostics for Infectious Diseases"
- Research & Development, the Nodal Office is to act as interface between University and Industry.
- Setting up of a supercomputing facility / Centre in JNU campus under the aegis of Supercomputer Education and Research Centre. Indian Institute of Science, Bengaluru. This system will be connected through the existing National Knowledge Network (NKN). Prof. Anirban Chakraborty, Dean School of Computational & Integrative Sciences, has been nominated as 'Nodal Coordinator' from JNU in this regard.

- Memorandum of Understanding (MoU) was signed between two esteemed institutions i.e National Institute of Disaster Management and Jawaharlal Nehru University for the purpose to enhance the scope of the subject “Disaster Management” by bringing expertise of these two institutions in the area of disaster management as well as research.
- Memorandum of Understanding signed between Lal Bahadur Shastri National Academy of Administration (LBSNAA) Mussoorie and Jawaharlal Nehru University (JNU), New Delhi for granting recognition to trainees of the Indian Administrative Services.
- Signed a MoU with National Institute of Animal Welfare, Ministry of Environment and Climate Change for transfer of operation and management of academic activities of National Institute of Animal Welfare Faridabad, including the training courses of animal welfare.
- JNU has launched a “Distinguished Lecture Series”- 1st Lecture was delivered by Prof. Javed Iqbal, Funder & Chairman, Cosmic Discoveries, Hyderabad.
- Set up a Committee for instituting annual alumni award to honor distinguished alumni of Jawaharlal Nehru University.
- JNU held its first ever “Open Day’ on November 21, 2016 to showcase the academic achievements of the University to School children in order to inspire them.
- Providing cycles to common users on the campus through a private agency to be located in a suitable area on the campus for operation of this Scheme.