



# **JADAVPUR UNIVERSITY**

[[www.jaduniv.edu.in](http://www.jaduniv.edu.in)]

**Annual Quality Assurance Report (AQAR)  
By IQAC**

**for submission to  
National Assessment & Accreditation Council**

**AQAR 2015-2016**

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

## Part – A

### 1. Details of the Institution

1.1 Name of the Institution

Jadavpur University

1.2 Address Line 1

188, Raja S.C Mallik Road

Address Line 2

Jadavpur

City/Town

Kolkata

State

West Bengal

Pin Code

700032

Institution e-mail address

jt\_registrar\_ac@admin.jdvu.ac.in

Contact Nos.

+9133-24146666, +9133-23355215

Name of the Head of the Institution:

Prof. Suranjan Das

Tel. No. with STD Code:

91-33-2414-6000

Mobile:

+919830202966

Name of the IQAC Co-ordinator:

Prof. Amitava Datta

Mobile:

+919831189810

IQAC e-mail address:

iqac\_ju@admin.jdvu.ac.in

1.3 NAAC Track ID (For ex. MHC0GN 18879)

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.  
This EC no. is available in the right corner- bottom  
of your institution's Accreditation Certificate)

EC(SC)/03/RAR/74 dt 24-09-2014

1.5 Website address:

www.jaduniv.edu.in

Web-link of the AQAR:

http://www.jaduniv.edu.in/iqac.php

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	A		2003	5 yrs
2	2 <sup>nd</sup> Cycle		3.61	2008	5 yrs
3	3 <sup>rd</sup> Cycle		3.68	2014	5 yrs
4	4 <sup>th</sup> Cycle				

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

26/03/2003

1.8 AQAR for the year (for example 2010-11)

2015-16

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

- AQAR \_\_\_\_\_ (DD/MM/YYYY)4
- AQAR \_\_\_\_\_ (DD/MM/YYYY)
- AQAR \_\_\_\_\_ (DD/MM/YYYY)
- AQAR \_\_\_\_\_ (DD/MM/YYYY)

1.10 Institutional Status

University

State  Central  Deemed  Private

Affiliated College

Yes  No

Constituent College Yes  No

Autonomous college of UGC Yes  No

Regulatory Agency approved Institution Yes  No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education  Men  Women

Urban  Rural  Tribal

Financial Status Grant-in-aid  UGC 2(f)  UGC 12B

Grant-in-aid + Self Financing  Totally Self-financing

1.11 Type of Faculty/Programme

Arts  Science  Commerce  Law  PEI (Phys Edu)

TEI (Edu)  Engineering  Health Science  Management

Others (Specify)

1.12 Name of the Affiliating University (for the Colleges)

N/A

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence  UGC-CPE

DST Star Scheme  UGC-CE

UGC-Special Assistance Programme  DST-FIST

UGC-Innovative PG programmes  Any other (Specify)

UGC-COP Programmes

## **2. IQAC Composition and Activities**

2.1 No. of Teachers

13

2.2 No. of Administrative/Technical staff

5

2.3 No. of students

0

2.4 No. of Management representatives

0

2.5 No. of Alumni

0

2.6 No. of any other stakeholder and  
community representatives

0

2.7 No. of Employers/ Industrialists

0

2.8 No. of other External Experts

3

2.9 Total No. of members

21

2.10 No. of IQAC meetings held

3

2.11 No. of meetings with various stakeholders:

No.

3

Faculty

Non-Teaching Staff Students

Alumni

Others

2.12 Has IQAC received any funding from UGC during the year? Yes

No

If yes, mention the amount

Rs. 5,00,000 for 2012-17

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos.

0

International

0

National

0

State

0

Institution Level

0

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

The University IQAC was constituted in 2003 and has been regularly reconstituted following the UGC regulation. The present committee was formed in 2015. The IQAC committee, comprising external members, deliberates on specific quality related issues and suggests to the university strategies and processes on the same. These suggestions from the IQAC are referred to the statutory authorities of the university, like the Executive Council or Faculty Councils, for discussion and subsequent implementation. The IQAC also gather and analyze quality parameters in terms of teaching-learning-evaluation, research & consultancy, student progression and activities, governance and others from the University and its stakeholders to comprehend the progress of the university in academics and research.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year \*

Plan of Action	Achievements
<ul style="list-style-type: none"> <li>• To make university compliant for differently abled students</li> <li>• Suggesting up-gradation of university website</li> <li>• Introducing e-governance in the Institute Management System</li> </ul>	<ul style="list-style-type: none"> <li>• Ramps have been constructed in all buildings. Vehicles for differently-abled individuals have been introduced in both the compasses.</li> <li>• University website has been upgraded and will be further upgraded in the coming days.</li> <li>• Work on building e-governance system started with participation of internal experts in the field</li> </ul>

\* Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body      Yes       No   
    Management       Syndicate       Any other body

Provide the details of the action taken

The AQAR was placed in the IQAC meeting and University Executive Council. EC accepted the report and endorses the plan of action set for the next year as mentioned in the report.

**Criterion – I****1. Curricular Aspects**

## 1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	3			
PG	95			
UG	46			
PG Diploma	11			
Advanced Diploma	1			
Diploma	6			
Certificate	8			
Others	3			
<b>Total</b>	<b>173</b>			
Interdisciplinary	45			
Innovative				

## 1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

## (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	141
Trimester	0
Annual	-

## 1.3 Feedback from stakeholders\*

*(On all aspects)*
 Alumni  Parents  Employers  Students 

 Mode of feedback : Online  Manual  Co-operating schools (for PEI) 
*\*Please provide an analysis of the feedback in the Annexure*

## 1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Yes, syllabus up gradation is regularly done at an interval of 5 years.
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## 1.5 Any new Department/Centre introduced during the year. If yes, give details.

No
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## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
640	200	123	306	11

2.2 No. of permanent faculty with Ph.D.

546

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
18	102	2	97	0	57			20	256

2.4 No. of Guest and Visiting faculty and Temporary faculty

314

1

17

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	71	151	13
Presented papers	285	234	19
Resource Persons	131	0	26

2.6 Innovative processes adopted by the institution in Teaching and Learning:

The university encourages student-centric learning through group learning, tutorials, interactions with experts from India and abroad, visits to industry and taking internship, arranging group seminars and projects among others. The university also encourages students towards e-learning and various university bodies, like school of mobile computing and communication, school of cultural texts and records and school of educational technology, are involved in developing such resources for the benefits of the students. In recognition to the academic excellence UGC has accorded the status of CAS to five departments, DSA to two departments and DRS to five departments. Two departments have been brought under the ambit of FIST programs.

2.7 Total No. of actual teaching days during this academic year

223

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

No

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

639	639	639
-----	-----	-----

2.10 Average percentage of attendance of students

75%
-----

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
PhD	347					
M.Phil	163					
M.Tech	563		88.63	3.90		
M.Sc	293		87.03	5.80		
M.A	672		76.34	20.23		
B.Tech	965	36.17	38.03	17.72		
B.Sc	371		65.23	20.48		
B.A	634		63.09	28.08		

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

As per University statute the teaching learning process is monitored by the Board of Studies of the departments, administrative committees of the schools and the faculty councils of the respective faculties. The deans of the faculties as members of the IQAC Committee share relevant information within IQAC amongst the members.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	36
UGC – Faculty Improvement Programme	36
HRD programmes	8
Orientation programmes	12
Faculty exchange programme	10
Staff training conducted by the university	8
Staff training conducted by other institutions	17
Summer / Winter schools, Workshops, etc.	118
Others	32

## 2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	977	226	977	
Technical Staff	239	130	239	

## Criterion – III

### **3. Research, Consultancy and Extension**

#### 3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

Jadavpur University has a rich heritage of research culture across all the faculties. Interdisciplinary research has been given high priority in the University. IQAC has always given importance to the interdisciplinary research and identified it as one of the best practice in the University. A research centre is coming up in collaboration with DRDO for promoting advanced research in the areas of cyber security, energy and robotics.

#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	38	36	35	-
Outlay in Rs. Lakhs	599	654	663	-

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	-
Outlay in Rs. Lakhs	-	-	-	-

#### 3.4 Details on research publications

	International	National	Others
Peer Review Journals	1055	158	2
Non-Peer Review Journals	27	66	18
e-Journals	18	5	1
Conference proceedings	944	90	22

#### 3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2015-16	CSIR,DRDO,DST-SERB,AICTE,BCIL,DBT,NST,DIET,GOI(MCIT),ICAR,UGC,BARC,National Tea Research foundation,British Council Division,MCIT,DEIT,UGC-FRPS,ADL,ISRO,UGC-UKIERI,University of Exeter,DBT,ICSSR,AJWS,ICSS,UGC-DAE-KC,University of Pennsylvania Institute for the Advanced Study of India (UPIASI) and Navajbai Ratan Tata Trust	536,072,416.00	310,760,952.00
Minor Projects	2015-16	IUAC, UGC, AICTE, UGC DSA-1 SAP,DST,UGC XII Plan,TEQIP,European CommissionIndian Council of Agricultural Research, Jadavpur University,DST-INSPIRE	10,492,000.00	11,643,000.00
Interdisciplinary Projects	2015-16	DMSRDE, Kanpur,DST Nanomission,DRDO,Erasmus Plus,UGC,DST, DRONAH, Gurgaon, Haryana,Union Ministry of Culture with matching grant from Government of West Bengal,Ministry of Food Processing	166,172,081.00	25,769,975.00
Industry sponsored	2015-16	Barrackpore Cantonment Board, Ghosh Bose & Associates, Kolkata, IFB Industries LT	616,000.00	550,000.00
Projects sponsored by the University/ College	2015-16	ISI, MHRD,Innovative research activity, JU/UGC,Jadavpur University	3,880,000.00	3,728,000.00
Students research projects (other than compulsory by the University)	2015-16	TEQIP (PHASE-II)	45,000.00	-
Any other(Specify)	2015-16	M/s AREVA FRANCE	3,500,000.00	-
<b>Total</b>	2015-16		<b>720,777,497.00</b>	<b>391,544,830.00</b>

3.7 No. of books published i) With ISBN No.  Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP  CAS  DST-FIST   
DPE  DBT Scheme/funds

3.9 For colleges

Autonomy  CPE  DBT Star Scheme   
INSPIRE  CE  Any Other (specify)

3.10 Revenue generated through consultancy

Rs.

Rs. 133.93 lakhs

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	51	74	10	9	1
Sponsoring agencies	DRDO, R C Bose Centre for Cryptology and Security; Jadavpur University; TEQIP; SCMS School of Engineering and Technology, Kerala; IEEE DEIS; CPRI, Bengaluru; ICSSR, RBI, WB Govt Higher Education Council; UGC Merged Scheme; MAKAIAS; ICSSR - ERC; Indian Council for Social Science Research; Maulana Abul Kalam Institute of Asian Studies; University of Vienna; IEEE Computer Society (Technical Sponsor); CESC, Kolkata; IET; Kolaghat Engg College	UGC-HRDC; IIM, Kolkata Chapter; IEEE Kolkata Section; AMM; DeITY, Govt. of India; World Science Congress in Collaboration with Faculty; Council of Science, Jadavpur University ; TEQIP-II; British High Commission, New Delhi; The Indian Econometric Society ; Sahitya Akademi and Centre for Comparative Literature, Viswa Bharati; UGC & Kolkata Little Magazine Library and Research centre; Abhash; Dakkhin; Pashchimbanga Natya Akademy; Steel and Metallurgy; MGMI; Bengal; Institute of Technology & Management (BITM), Santiniketan; Indian Chemical Society; Glass Academy	Sahitya Akademy; West Bengal Athletic Association and Athletic Federation of India; The Centre for Indology, Department of Sanskrit, Jadavpur University ; SIRSS and UGC ; Department of Higher Education, WB; TEQIP	Little Magazine Library; Jadavpur University	Professor Debabrata Mukherjee Memorial Fund

3.12 No. of faculty served as experts, chairpersons or resource persons

306

3.13 No. of collaborations:

International

105

National

139

Any other

10

3.14 No. of linkages created during this year

41

3.15 Total budget for research for current year in lakhs :

From Funding agency

2472.57

From Management of University/College

1700.00 lakhs

Total

4172.57 lakhs

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	5
	Granted	2
International	Applied	0
	Granted	2
Commercialised	Applied	0
	Granted	0

3.17 No. of research awards/ recognitions received by faculty and research fellows  
Of the institute in the year

Total	International	National	State	University	Dist	College
131	78	39	5	5	2	2

3.18 No. of faculty from the Institution  
who are Ph. D. Guides  
and students registered under them

282

2513

3.19 No. of Ph.D. awarded by faculty from the Institution

373

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF

128

SRF

98

Project Fellows

64

Any other

18

3.21 No. of students Participated in NSS events:

University level

3932

State level

1357

National level

26

International level

0

3.22 No. of students participated in NCC events:

University level

0

State level

0

National level

1

International level

0

3.23 No. of Awards won in NSS:

University level

0

State level

0

National level

0

International level

0

3.24 No. of Awards won in NCC:

University level	<input type="text" value="0"/>	State level	<input type="text" value="0"/>
National level	<input type="text" value="1"/>	International level	<input type="text" value="0"/>

3.25 No. of Extension activities organized

University forum	<input type="text" value="9"/>	College forum	<input type="text" value="26"/>
NCC	<input type="text" value="2"/>	NSS	<input type="text" value="68"/>
		Any other	<input type="text" value="12"/>

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Jadavpur University is creating the Eastern Regional Cyber Security Centre under the Govt. Of India's RUSA program.
- Special camps are organised on environment enrichment and conservation program, slum development and village development including yoga training and health check up.
- Department of Adult Continuing and Education Extension organises several extension and field outreach programs targeting rural underprivileged women and street children. Each of these programs is of six months duration.
- Department of Adult Continuing and Education Extension organizes an art and craft course for the persons with special needs for a duration of one year with a nominal course fee of Rs. 576.

## Criterion – IV

### 4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	96.5 Ac	0	0	96.5 Ac
Class rooms	292	12	UGC and State Gov. Plan	304
Laboratories	321	14	UGC and State Gov. Plan	335
Seminar Halls	56	4	UGC	60
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	0	137	UGC, DST, TEQIP, State Gov. University Source etc.	137
Value of the equipment purchased during the year (Rs. in Lakhs)	0	93128775	UGC, DST, TEQIP, State Gov. University Source etc.	93128775
Others	0	78341665	UGC, TEQIP, State Gov. University Source etc.	78341665

4.2 Computerization of administration and library

Library has the library management system, like Lib-sys and RFID system, in place by which OPAC service and Web-OPAC are being provided. Library has a large number of computers for general access and all these computers are connected to Internet and Intranet. The Central Library has a Learning Resource Centre under the Centre for Digital Library and Documentation with 60 nodes. Resource sharing through INFLIBNET, INDEST-AICTE and DELNET is done.

Computerization is also in place in the general administration of the University in a limited manner. The university examination system is largely computerized, where the students can fill up the forms, get admit card, and see results online. The university also has an extensive result archive. The finance section is partially computerized. The KMR section also uses a computerized package to maintain the records of the students.

The University has formulated a plan to install an e-governance system by utilizing the internal resources available in the University and the planning in this direction has been initiated.

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	680151	N/A	2580	3464092	682731	N/A
Reference Books	15000	N/A	375	-	15375	N/A
e-Books	13556	15008989	-	N/A	13556	15008989
Journals	356	21802448	311	11964098	311	11964098
e-Journals	3123	39996153	3057	49527363	3057	49527363
Digital Database	26	N/A	-	N/A	26	-
CD & Video	6080	N/A	634	N/A	6714	-
Others (specify)	120000	-	134000	-	134000	-

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	5350	57	5333	7	7	143	5207	0
Added	774	2	760	1	1	15	759	0
Total	6124	59	6093	8	8	158	5966	0

#### 4.5 Computer, Internet access, training to teachers and students and any other programme for technology



upgradation (Networking, e-Governance etc.)

All the faculty members of the University has their personal desktop and laptop computers. University has provided laptop to the faculty members. Internet access given to all the computers of the faculty members through LAN or WiFi system. Work has been initiated of introducing e-governance in the University management system.

4.6 Amount spent on maintenance in lakhs :

i) ICT	92.87
ii) Campus Infrastructure and facilities	988.57
iii) Equipments	188.63
iv) Others	52.19
<b>Total :</b>	<b>1322.26</b>

## Criterion – V

### **5. Student Support and Progression**

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

IQAC intends to build awareness regarding student support both among the students and the administration. IQAC gets feedback from the stakeholders, like the employers, to identify the areas where student support is required and accordingly discuss in the committee to come up with suggestions.

5.2 Efforts made by the institution for tracking the progression

University has taken several steps to track student progression through continuous evaluation by allotting assignments, through regular class tests and conventional midterm examination. Continuous evaluation is a priority goal in the system. The evaluated scripts are shown to students in the immediate class for discussion and clarification.

Jadavpur University is one of the few universities in the country to have a full-time Dean of Students and a full-time Director of Youth Welfare, whose responsibilities are largely centered on students and their needs. The Dean of Students looks after the issues like health, residential facilities, student union matters, freships/scholarships, financial assistance and bank loans, and the university's Anti-Ragging Committee. The Director of Youth Welfare is in charge of outreach activities, youth welfare activities, students clubs/societies, students medical insurance.

UG	PG	Ph. D.	Others
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5.3 (a) Total Number of students 

6754	3528	1641	329
------	------	------	-----

(b) No. of students outside the state 

1928
------

(c) No. of international students 

49
----

Men	No	%	Women	No	%
	7302	68.82		3309	31.18

Demand ratio 

17.2
------

Dropout % 

2.1
-----

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
7655	2276	499	80	153	10663	7580	2300	482	223	149	10734

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

Jadavpur University provides guidance and conducts coaching classes for student appearing for Civil Services, Defence Services, NET/SLET and any other competitive examinations, especially for the benefit of SC, ST, OBC and minority students. Large number of students gets success through these guidance & classes. The University has plans to extend such facilities to more number of students in the coming years.

No. of students beneficiaries 

--

5.5 No. of students qualified in these examinations : Complete info not available

NET		SET/SLET		GATE		CAT	
IAS/IPS etc		State PSC		UPSC		Others	

5.6 Details of student counselling and career guidance

The placement cell of the college invites many reputed companies for campus recruitment. The students of the institute are sent to off campus interviews also. The students are informed regarding the vacancies offered by agencies. The notice of the advertisement is displayed on the notice board in both the campuses. The placement cell also provides pre-placement training for the students. This includes Orientation session, mock test, mock interviews, resume writing & soft skill sessions. The Dean of Students and the Director of Youth Welfare are responsible for the well-being of all students of the university.

The University has conducted several development programmes under the UGC's scheme of Remedial Coaching. In addition, there is the centre for Counselling Services and Studies in Self-Development that provides confidential counselling to students free of charge on matters ranging from addiction to career-choice.

No. of students benefitted

### 5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
202	1242	867	Data not Available

### 5.8 Details of gender sensitization programmes

Jadavpur University has constituted the "Internal Complaints Committee (ICC)" as per UGC (Prevention, prohibition and redressal of sexual harassment of women employees and students in higher educational institutions) Regulations, 2015 vide Gazette of India Notification NO. 171 DATES MAY 2, 2016. Senior faculty members of the institute are members of the committee. The committee has 24X7 access through dedicated phone line. Efforts are also made to create awareness among the students regarding gender based evils during orientation program. The university also sensitizes its staff and students on issues of gender by providing equal opportunities for both male and female faculty members, creating an open environment, catering to the diverse needs and giving lectures on issue of gender and psychological counselling.

### 5.9 Students Activities

#### 5.9.1 No. of students participated in Sports, Games and other events

State/ University level  National level  International level

#### No. of students participated in cultural events

State/ University level  National level  International level

#### 5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level  National level  International level

Cultural: State/ University level  National level  International level

### 5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	711	1996840
Financial support from government	4277	348334597
Financial support from other sources	39	1570000
Number of students who received International/ National recognitions		

### 5.11 Student organised / initiatives

Fairs : State/ University level  National level  International level   
Exhibition: State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: \_\_\_\_\_

## Criterion – VI

### **6. Governance, Leadership and Management**

#### 6.1 State the Vision and Mission of the institution

##### Vision:

The National Council of Education, Bengal, was established in 1906 in the wake of the nationalist movement. It was led by intellectuals, statesmen and the middle-class intelligentsia, and its aim was to cultivate the best of global learning and technology in order to build a self-reliant industrial base for India. Bengal Technical Institute was among the educational institutions founded by NCE, Bengal. Its mission was to impart training to Indian students in the appropriate technology so that the country could produce indigenous consumable materials. This Institute, later renamed College of Engineering and Technology, was in turn converted to Jadavpur University in 1955. The founders believed that the Technology Faculty could not sustain itself without active Faculties of the Basic Sciences and the Humanities. While playing a vital role in technical education in the country, the University may be said to rest on three pillars- Technology, Science and Arts.

Jadavpur University is at present an internationally recognised premier university of the country. It is an urban university with a global perspective and is dedicated to creating leaders who will fashion a more humane and just world. Following in the footsteps of its predecessor, the University not only engages itself in teaching and research of international quality, but also provides societal services for the benefit of rural and urban populations. The programmes are directed towards achieving excellence in education and extending the benefits of improved technology to the society as a whole.

The faculty members are encouraged to add value to the courses so that students can secure employment or attempt entrepreneurship. Extension programmes and several other courses provide opportunities for the drop-outs at different levels to continue their education. The objective is that they should be able to earn a living and derive the impersonal pleasure of learning at the same time. The University also contributes in evolving modes of digital distance education as part of the National Mission on Education.

##### Mission:

The University wishes to grow further as a diverse and socially responsible learning community, providing a high quality of scholarship and equal opportunity for all.

The University's core values include a commitment to:

- The highest standards of excellence in teaching, research, creative expression and service to the community;
- Advanced learning as a humanising social practice rather than as a competitive exercise;
- Regarding the production and dissemination of knowledge as inseparable goals;
- Upholding the principle that the culture of reason and learning is indivisible from a concern for the world beyond the campus;
- Maintaining principles of democratic governance and intellectual and institutional freedom;
- Abiding by principles that do not discriminate on the basis of religion, race, caste, gender and economic status.

## 6.2 Does the Institution has a management Information System

The university does not have a comprehensive University management system for ICT-based management of both academics and administration. However, such system are in place in islands. The university examination system has an in house management system which covers the entire process from the filling up examination form by the students upto receiving the grade card. The library has its own management system for all related activities. The students information is monitored through a management system. The university has initiated work in building a complete e-governance system covering entire academic and administrative management using the internal resource.

## 6.3 Quality improvement strategies adopted by the institution for each of the following:

### 6.3.1 Curriculum Development

Jadavpur University has an internal process of vetting and approval for all its curricular programmes. Standing committee considers the proposed curriculum and syllabi submitted by the Boards of studies and recommend to the academic council for its consideration and approval with or without modification. Curriculum Design is a continuous process at Jadavpur University taking into consideration the norms set up by national regulatory bodies. The University provides academic flexibility to implement the Choice Based Credit System. Faculty members get actively involved in curriculum development. Industries and alumni participation and students' views are taken into account in designing the curriculum. Innovative practices adopted in evolving new courses by bridging faculties and unique programs in Humanities and Arts faculties and Interdisciplinary schools have been developed.

### 6.3.2 Teaching and Learning

Academic Calendar is framed and is strictly adhered by the Academic Committee as per the direction of the University. The Academic Calendar (i.e. Starting date of a semester, Schedule for the periodic class tests, Duration of study holidays and end semester examinations.) issued to every student and staff prior to the commencement of the classes and uploaded in the website.

Before the commencement of every semester, issues a circular to prepare of the comprehensive teaching plans including course structure of the semester, each subject wise syllabus, teaching plan as weekly schedule of coverage of syllabus, model question paper and problem as exercise. Syllabus coverage is monitored by HOD. ICT based teaching facilities exist in most of the faculties and used.

At the beginning of the year students are supplied with Academic Regulations, Syllabus etc., uploaded in the website or in the form of booklet. Group learning, tutorials, seminars, workshops, field visits, case stories, practice exists.

Jadavpur University is a leading partner for the EQUAL Project which is a six-university Indo-European consortium for undertaking exercises in enhancing quality, access and governance of undergraduate education in India. In tune with demands of internationalization of higher education the University is involved in academic collaboration with the finest institutions across the world. The university has participated in ICSSR-Norway-European Union Project, UGC-UKERI Program, the Leverhume trust, USAID, Fulbright, DAAD and Humboldt programmes through its faculty members and scholars.

### 6.3.3 Examination and Evaluation

IT enabled examination and evaluation system has been developed and all items related to the examination department have been brought under a single link in the university website. All types of forms related to the examination department are available online and can be submitted online. The students can request for transcripts of their results online. All records related to examination, certificates etc. have been digitized. Mobile communication system is used for the results of all regular UG examinations. Transparency is maintained in the evaluation process and the students have been given opportunity to review their examination papers.

Credit transfer has been started with several foreign universities, where students go regularly for one/two semester/s to these universities during the course of their study at Jadavpur University and rejoin the same course with credit transfer.

### 6.3.4 Research and Development

Infrastructure for research has been developed keeping in view the requirements of the faculty members to carry out research. University promotes interdisciplinary research and teachers are encouraged to get research projects from funding agencies. University provide seed money for research to new faculty members and bears the cost of patents applications. The faculty members are provided with the facilities like individual system, Wi-Fi connection, digital library, equipment's and laboratory. University encourages students to undertake industry sponsored projects and produce technical papers. Many of the departments have their own peer reviewed journals. Good record of quality research publication and Patents and Copyrights submission are encouraged by the University. Faculty members are also encouraged to undertake department level project schemes, like UGC SAP, DST FIST etc. Teachers have freedom to submit research proposals to various funding Agencies. 41 memoranda of understanding (MOUs) were signed in 2015-16 with national and international institution and industries for undertaking Research and Development and Consultancy. University has in its school a large no.of prestigious research fellowship like D.S. Kothari Post-doc fellowship, UGC Research Awardee, Dr. Vishweswara Ph.D Fellowship, J.C Bose Fellowship, INSA Awardee, ICSSR Awardee, UGC research Awardee etc. University also has 153 CSIR Direct Fellow, 132 UGC JRFs, 19 DST INSIRE Fellow and 94 State Govt. departmental fellow in its rank.

The University has earned many accolades in the field of Research. The School of Cultural Texts and Records has been adjudged as a Centre of Excellence in a study conducted by the Research Council of UK. The University has been undertaking a collaborative research program with DRDO especially in the fields of control, guidance, fault tolerance of missile systems and Information Security.

### 6.3.5 Library, ICT and physical infrastructure / instrumentation

The University has adequate physical, laboratory and other facilities available to support the existing academic activities. The institution aims at providing world class infrastructure and environment that should provide effective teaching and learning as per the norms of the statutory bodies. The University has a Planning and Development Committee which facilitates the optimal utilization of grants for infrastructure development. The office of the Chief University Engineer is in charge of routine maintenance of physical infrastructure. Jadavpur University has successfully made the best possible use of all infrastructure development grants, whether at the school/department level (e.g. ASHSS, SAP) or at the University level (e.g. UPE I and II; TEQIP-I and II) to create facilities (e.g. laboratories, auditoria) that can be utilized by the entire university community. The final approval for all large infrastructure projects is given by the Executive Council. The following facilities are available for use:

- Ø Libraries are well equipped with good numbers and titles of books and periodicals and digital resources.
- Ø Library management system like Lib-sys and RFID system are used
- Ø Resource sharing done through INFLIBNET, INDEST-AICTE, DELNET
- Ø Availability of Braille Book and Talking Book Library for visually challenged students.
- Ø Laptop provided to the faculty. It is useful for pursuing research. It also supplements teaching and learning.
- Ø Wi-Fi connectivity and internet access is given.
- Ø ICT enabled classrooms available in most of the departments.
- Ø Institute has well-furnished seminar halls with presentation facilities and TV/LCD monitor.
- Ø Institute has gymnasias, indoor game facilities and playground.
- Ø Institute has cultural group of students who organize the activities like skit, drama, dance and music and also invites the well-known personalities in the related areas.
- Ø Facilities for challenged faculty members and students exist on the campus.
- Ø The University has several hostels to provide accommodation to a sizable number of students of UG, PG and PhD level. There are separate girls hostel in the main campus and Salt Lake campus.

### 6.3.6 Human Resource Management



Institute has an established mechanism of notification of regular posts and conduct interviews, both in website and through national dailies. The institution recruits faculty member and staff based on the guideline provided by UGC regulations and State Government. Recruited faculties are deputed to undergo faculty development program to enhance the Teaching-Learning process. The University has a HRDC cell, which regularly organizes faculty development programs. In addition, value addition in academic and research is done through value added courses, seminars, workshops, colloquia and symposia of national and international levels. The teachers also get exposure through faculty development programs conducted under programs like TEQIP. The faculty members also pursue linkage with industries, and through academic networks (e.g. SYLFF, Erasmus Mundus). Random visits of reputed scholarly people help teachers to keep in touch with wider world of academe.

#### 6.3.7 Faculty and Staff recruitment

University has a set procedure for recruiting faculty members following the UGC norms and the norms of the state government. The number of faculty recruited in the year is 20. The staff member recruitment has not taken place in the academic year under consideration.

#### 6.3.8 Industry Interaction / Collaboration

The University has an Industry-Institute Partnership Cell (IIPC) for the collaboration with Industry. Many industries come up with proposals of collaboration, mostly related to testing and consultancy. The amount earned by the University towards consultancy in the year is Rs. 12 Crores 5 lakhs. University also introduces industry relevant programmes in association with leading industries through tie-ups. Industry officials visit the campus to conduct seminars/workshops and teach courses. All these activities have academically benefited our students to understand and learn new cutting edge technologies and trends in the market. To encourage students to take up industry sponsored projects and involvement of industry experts in academic activities. Jadavpur University has signed 41 MOUs during the current academic year with institutions and other bodies in India and abroad. University's collaborations have led to international exchange programmes (e.g. SYLFF, Erasmus Mundus, Global change) have enabled students to interact with scholars and researchers from countries across the globe. And large number of publication happened through these collaborations. The world Bank-funded TEQIP-II has allowed the University to improve the quality of its technical education.

### 6.3.9 Admission of Students

The admission notification is issued as advertisement in leading newspapers. The Information Brochure and webpage contain detailed information about the UG and PG courses, Intake of students, eligibility criteria, process of admission and the facilities provided by the institute. Admission information is delivered through advertisement in media. Admission into B.E programmes is through the West Bengal Joint Entrance Examination and admission to undergraduate programmes in the Faculties of Arts and Science are made on the basis of +2 performance and/or admission test conducted by the University.

Hundred percent transparencies are ensured in the admission process since the University strictly adheres to the rules and regulations formulated by the AICTE/State Government. The institute admission is done through counselling which is held at the institute itself. The selection of students to the institute is done through the admission committees in the counselling through proper procedure of releasing merit lists (first, second and waiting list). Thus the transparency is maintained all through the process from the start of the notification till the end.

### 6.4 Welfare schemes for

Teaching	
Non teaching	
Students	Available- Free Studentship, One-time financial assistance

6.5 Total corpus fund generated Rs. 417,700,000

6.6 Whether annual financial audit has been done    Yes     No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	NAAC	Yes	IQAC
Administrative				

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes    Yes     No

For PG Programmes    Yes     No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

The University has a separate Examination section under the Controller of Examination. Various reforms have been done over the last few years to make the process foolproof and smooth. ERP has been implemented for the various processes of the examination process. On-line technology is adopted from the filling up the examination form up to the receipt of grade card for the students. Credit Based Choice System has been implemented for the courses in ARTS and Science and also in the PG level of Engineering Faculty. Repository of results has been made in the website where anybody can access for the past and present results.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Jadavpur University is in general a unitary university. However, two institutions, namely J.D.Birla Institute and Institute of Business Management, have been affiliated in the years 1962 and 1984, respectively. The University act does not provide for conferment of autonomy (as recognized by UGC) to its affiliated colleges.

6.11 Activities and support from the Alumni Association

The Jadavpur University has an Alumni Association. It meets multiple times in year. The very birth and subsequent development of Jadavpur University would not have been possible without the active participation of its alumni/alumnae. The alumni association has its own building on campus and the association has built and maintain a well-equipped auditorium in the campus. Alumni help to enhance curriculum enrichment to give feedback about Departments and Faculties. Alumni Association has many activities and contributions:

- Ø Training programmes in Soft Skills and communicative English.
- Ø Pre Placement Talk.
- Ø Guest Lectures.
- Ø Financial Support to Needy Students.
- Ø Gives Merit Medals To Well Performing Students.
- Ø Involved in NSS Activities.
- Ø Response of Alumni for various E-mails given by Heads for developmental activities.

In addition, there are smaller units of alumni associations in various major cities and also abroad.

#### 6.12 Activities and support from the Parent – Teacher Association

The University does not have an active and declared Parent-Teacher association.

#### 6.13 Development programmes for support staff

Management is promoting the professional development of support staff in different ways and by different means. Jadavpur University encourage their support staff to participate/attend seminar, workshop, conferences to develop their knowledge/ technical skills and get the opportunity to interact with national and international renowned scholar and experts. Such programs have also been organized in house through HRDC and from TEQIP program. Support staffs are encouraged to pursue their higher studies by granting academic leave. International linkage of University helps the staffs to enhance their skills as well as professional activities. University encourage for continuous development and leadership training.

#### 6.14 Initiatives taken by the institution to make the campus eco-friendly

The University has eco-friendly campus both at Jadavpur and Salt Lake. All stakeholders are committed towards this, and through their involvement, trees are planted and other eco-friendly activities are pursued. The University students get themselves involved through NSS activities into various eco-friendly activities. Apart from this, the University has taken several other initiatives to make the campus eco-friendly.

##### Energy Conservation:

The university intends to raise the standards of comfort and indoor air quality, beyond the traditional focus only on work-spaces. Energy audit was done to identify wasted electricity and as a result of canteens, quarters, hostels etc. have been provided own separate electric meters. The University propagates the importance of energy conservation by intimating staff and students to turn off the fans and lights in hostel and college whenever not needed. Proper supervision is carried out by concerned authorities.

##### Water Harvesting:

There are four large Water bodies on campus. These have been cleaned and are maintained regularly and their banks stabilized organically. Water from these water bodies are regularly used for construction work on campus.

##### Efforts for Carbon neutrality:

Tree plantations are organized regularly to create clean and green campus. NSS as well as School of Environmental Studies organizes tree plantation internally and externally from time to time. The University has planted and maintained different varieties of trees to keep the institute free from pollution and some of rare tree also identified. Care is taken for the surveillance of old and unhealthy trees. There is a ban on felling of trees

##### Waste Management:

The university follows specific norms for the disposal and management of standard wastes, chemicals and other hazardous wastes and E-waste like computers, printers and laboratory waste are properly disposed through auctioning approved vendors.

## Criterion – VII

### **7. Innovations and Best Practices**

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

The university has taken the following innovative steps, which are expected to create great impact in the functioning of the institution.

- An advanced technology research centre, in the name of Jagadish Chandra Bose Centre for Advanced Technology, has been founded in collaboration with DRDO as a part of the DRDO-Academia Partnership. The Centre will strengthen DRDO's relationship with Jadavpur University and other academic research institutions in the region.
- The University administration has decided that a comprehensive e-governance system is needed to be developed catering to the need of all stakeholders. Considering the available in house expertise, it has been proposed to develop the system through the Centre for Distributed Computing of the University. The required fund will be mobilized from the central grants available to the University.
- The university has established an Entrepreneurship Development Cell in the Salt Lake campus to nurture and inspire the creative minds of the students in the university by providing them the opportunities to showcase their ideas and helping them in turning their ideas into entrepreneurial ventures.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- Jagadish Chandra Bose Centre for Advanced Technology, has been founded in collaboration and financial support of DRDO to promote research in areas of secure systems and cognitive technologies, directed energy, unmanned and robotics technologies and other futuristic technologies.
- Centre for Distributing Computing of Jadavpur University has been assigned the task to develop a comprehensive e-governance system for the University with available in house expertise. They have started to build the system in modular form. The first year admission in June, 2016 has been done using the system developed for the admission purpose. This will be extended in the coming year for other modules.
- Renovation of Girls' Hostel is going on in phases to improve the condition and comfort level of the students.
- Action has been initiated to recruit a lady medical officer and a nurse for the Health Center of the university following the recommendation of NAAC peer team during their last visit.
- Entrepreneurship Development Cell has been established to nurture and inspire the creative minds of the students in the university by providing them the opportunities to showcase their ideas and helping them in turning their ideas into entrepreneurial ventures.

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

Details in the Annexure II

7.4 Contribution to environmental awareness / protection

The University has given importance to eco-friendly environment in the campus & funds are allocated in the annual budget for proper maintenance & beautification of the campus. The University takes several initiatives, like

- ∅ Carrying out periodic energy audits to reduce the burden on the environment
- ∅ Plantation of trees in the University and hostels
- ∅ Proper disposal of hazardous waste materials from the laboratories and other places
- ∅ Organizing Seminar & Workshop about environmental awareness.
- ∅ Ban on felling of trees anywhere inside the campus
- ∅ Hosting posters and banners to aware students and staff to keep the campus eco-friendly.

7.5 Whether environmental audit was conducted?    Yes     No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

**STRENGTH**

- Top quality human resources
- Research oriented educational environment
- Fostering a culture of collaborative and participatory research of the highest standard
- Emphasis on industry-institute partnerships
- Providing critical support for the differently-abled individuals and for socially challenged students

**WEAKNESS**

- Paucity of fund hampering the infrastructural development
- Space crunch particularly because of the urban-centric nature of the University
- Lack of proper documentation of the University data and records

**OPPORTUNITIES**

- Proper utilization of highly-qualified pool of researchers and teachers to promote interdisciplinary teaching and research, thereby contributing to India's quest for a knowledge economy.
- Effective implementation of partnerships/collaborations with foreign and national higher educational institutions and agencies to enrich academic excellence and enhance the quality of outreach activities

**CHALLENGE**

- To make education a more inclusive, democratic, equitable and participatory process ensuring that it percolates to the lowest strata of society, transcending all barriers of caste, creed and economic status.
- Infrastructure development and maintenance of high end equipment.
- Mobilization of additional financial resources and optimum utilization of the existing space.
- To enhance the alumni contact and alumni participation in the developmental activities of the University



## 8. Plans of institution for next year

- Accumulation and synthesis of quality parameters from different stakeholders of the University in order to participate in the ranking framework of institutions at national and international levels.
- Introduction of CBCS system and making corresponding changes in teaching-learning process.
- Making provisions for smart class-rooms to make teaching more interactive in nature.
- Filling up of academic and non-academic vacant posts
- Creation of an Archival Cell for collection and collation of university-centric data.
- Development of the e-governance system by including as many departments and sections of the university as possible.
- Widening the activities of the Jagadish Chandra Bose Centre for Advanced Technology by inviting proposals from the faculty members on innovative projects in three different areas, viz. Secure Systems and Cognitive Technologies, Directed Energy Technologies, Unmanned and Robotics Technologies.
- Pursuit of the research project on Cyber Security under the RUSA.
- Strengthening of University-Industry Partnership Programme and contributing to the process of transforming inventions to innovations.
- Expanding the alumni network interaction both within and outside the country.
- Fulfilling the commitment for inclusive education.

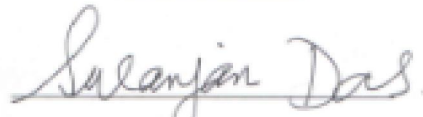
Name : Prof. Amitava Datta



Signature of the Coordinator, IQAC

**Prof. Amitava Datta**  
Director, IQAC  
Jadavpur University

Name : Prof. Suranjan Das



Signature of the Chairperson, IQAC

Vice-Chancellor  
Jadavpur University  
Kolkata-700 032

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**Abbreviations:**

CAS	-	Career Advanced 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
UPSC	-	Union Public Service Commission

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## Annexure II

### **Best Practice # 1**

#### **1. Title of the Practice**

Fostering a culture of interdisciplinary research, encouraging collaborative research and outreach activities

#### **2. Objective of the Practice**

The aim of the practice includes

- To encourage faculty members and research scholars of different disciplines and faculties to involve in interdisciplinary research
- To increase awareness and benefits of interdisciplinary research culture among the stakeholders
- To facilitate communication among researchers of different disciplines through creation of interdisciplinary schools
- To setup a flexible and supportive administrative structure within the University to promote interdisciplinary research
- To buttress the in house interdisciplinary schools for funding from external agencies

#### **3. The Context**

Technologies are developing at a phenomenal pace. Therefore, understanding the technologies and finding new avenues of research is becoming increasingly complex. Interdisciplinary research offers a logical means of tackling the intricate research questions of the present generation. Restricting the research in disciplinary silos causes a fragmentation of knowledge and glossing over the complexity of real-life problems and phenomena. This can be overcome readily by promoting inter- and trans-disciplinary culture. Interdisciplinary exchange helps in opening up new theoretical insights to address a research problem. The strengths of bringing the perspectives of different disciplines to bear on a research problem, exposing researchers to alternative research perspectives, literatures and methodologies provide opportunities for researchers to develop, share, understand and adopt more reflexive approaches to their research practice. Most of the leading Universities worldwide are therefore encouraging their faculty members to adopt interdisciplinary research culture.

However, interdisciplinary research often finds a backseat against administrative and organizational bottlenecks. Moreover, researchers and faculty members may tend to remain within their own peers, where they think they will be able to receive better appreciation. In this context, visionary decisions are to be imposed as a practice to reap the benefit in the long run. Jadavpur University nurtured the interdisciplinary research culture among the faculty members and IQAC took active part in formulating methodologies for it.

#### **4. The Practice**

The following practices had been adopted in the University to promote interdisciplinary research culture.

- Research in innovative areas is encouraged through the activities of interdisciplinary schools, which is unique in the Indian Higher Education system. The system allows the University to pool expertise and resources and to embark on new projects and programmes that require multidisciplinary inputs. Special research initiatives in innovative areas were taken up in the UGC sponsored UPE-I programme with multidisciplinary efforts. Research will continue to meet the national need in two focused areas and seven holistic areas under UPE-II as well.
- The University has 21 schools, which are operating on interdisciplinary mode and often in a virtual form. Besides research, activities in many of these schools have led them into initiating postgraduate courses leading to Masters Degrees in unique areas of trans-disciplinary nature. This helps in building a significant pool of manpower trained in novel skill sets and interdisciplinary culture in the country.
- The University administration through its various initiatives, including IQAC initiatives, helped to establish mutual trust and respect amongst researchers from different disciplines. Academic bodies are constituted in every school comprising faculty members from different disciplines. Thus no one discipline is perceived as superior to the others in the constitution of the schools.
- In order to practice the interdisciplinary research culture among the faculty members, the University tries to inculcate holistic, systematic and contextual thinking among the participating members through IQAC and other academic bodies. The members are encouraged to look for unexamined linkages and unexpected effects through joint meeting, workshops etc.
- The researchers pursuing PhD program in the schools have the flexibility to register in his/her choice of faculty for the degree.
- Various research collaborations and joint degree programmes have been initiated with the institutes of global eminence through faculty and student exchanges. University has always played positive role in such collaborations.
- Annual reports are published every year containing the academic publications, conferences/workshops attended, awards/honors own and projects/consultancy undertaken by the faculty members. This helps the faculty members to know about the activities of different interdisciplinary groups and to identify colleagues for potential collaboration.

#### **5. Evidence of Success**

The interdisciplinary research culture has helped in improving the research atmosphere in the University and markedly improves the research performance of the University as a whole. Research in the individual disciplines also get a positive impetus and grows under peer pressure. The success of introducing the above practices is clearly evident in various review results over the past years as presented below.

- National Assessment and Accreditation Council (NAAC) assessed the University in 2008 for re-accreditation with a score of 3.61 in the scale of 4 and in Grade “A”.
- National Institute of Science, Technology and Development Studies (NISTADS) of CSIR placed Jadavpur University at fourth rank among the top 50 Universities of the country based on h-index of publication.
- Jadavpur University received grants for augmentation of research infrastructure in Science and Engineering under the DST-PURSE scheme.
- UGC expert team for evaluation of University with Potential for Excellence program (as one of the five Universities in the country) highly commended the work by the University in Phase-I and sanctioned grant to carry forward the good work in Phase-II.
- The number of published papers in peer reviewed journals by the faculty members and research scholars of Jadavpur University has increased considerably over the years. During a period of 2000-2010 total number of publications from Jadavpur University listed in SCOPUS is 6791. The average citation index of the papers published from Jadavpur University has increased from 3.71 in 2008 to 4.84 in 2010 (source: SCOPUS).
- NESTA, UK’s innovation foundation, has ranked JU as a leading research institution in its discourse titled *Our Frugal Future: Lessons from India’s Innovation System* published in July 2012. The evaluation was done in terms of number of world class top decile papers published during the decade of 2001 to 2010.
- The Scimago Institutions rankings (SIR) World Reports annual series 2012 has ranked Jadavpur University at 12 in India among all institutes of higher education including the IITs, IISc and all research laboratories including CSIR institutes and second among the universities. The report shows a set of bibliometric indicators that unveil some of the main dimensions of research performance of worldwide research-devoted institutions during 2006-2010.
- University Ranking by Academic Performance (URAP) Research Laboratory, an overseas outfit, has ranked Jadavpur University at the 10th position in India in its 2012-13 report considering academic indicators.
- Jadavpur University was lauded for its excellent performance in the country in the World Bank sponsored TEQIP (Ph-I) programme.
- The University has 11 departments with Centre for Advanced Studies (CAS), 2 departments with Special Assistance (DSA) and 5 departments with special resources (DRS) granted by UGC.

Considering the success in the field of interdisciplinary studies and research, the university started a new faculty, namely Faculty of Interdisciplinary Schools, Law and Management in the year 2014, comprising all the existing interdisciplinary schools.

## 6. Problems Encountered and Resources Required

In spite of the stellar achievements of the University in the recent past, the growth is constrained due to deficiencies in certain areas, where further resources will be required. These are as follows:

- The University is presently facing a severe space crunch. The space in the three existing campuses is either in use or has already been planned for use. More space will be required for future expansion of the University.
- The fund available for development is too meager. Significant amount of funding is required for the renovation of existing laboratories, creation of central lecture-theatre cum instructional laboratory complex, expansion of the administrative infrastructure and funding high quality research.
- The University requires its own pool of research fellows and scholars in significant number to maintain the research potential already acquired and augment it in future. University scholarships at national rates are to be created to attract and retain research scholars which we do not have currently.
- The University requires resource for building an auditorium of adequate capacity and an international standard Guest House of large capacity to accommodate the delegates attending various conferences and seminars organized in different departments as well as to house scholars in exchange programs from various other institutes (for short/medium term) from within India and overseas.
- The university has to build/renovate/remodel centralized facilities, such as Central Workshop, Central Instrumentation Centre, Central Research Facility, etc. to supplement its research infrastructure.

## **Best Practice# 2**

### **1. Title of the Practice**

Providing critical support to differently-abled individuals and equal opportunity

### **2. Objective of the Practice**

- To provide equal opportunities to differently abled persons in higher education
- To equip with facilities to provide access to disabled persons
- To explore suitable placement opportunities for differently abled individuals and to prepare them for this
- To promote teacher preparation program for differently abled individuals

### **3. The Context**

The “Persons with Disabilities Act 1995” indicates that the citizens with disabilities should have equal access to education. In order to develop awareness amongst the differently abled individuals on higher education and also for career guidance and counselling the University has taken several actions and founded separate cells. The admission of differently abled individuals in various courses is facilitated and government guidelines in

this regard are followed. Counselling, guidance and assistance are provided to the differently abled to establish them in their career.

#### **4. The Practice**

- The University has a special education and HEPSN cell, who support the visually challenged and other differently abled students in job oriented training programs. The cell operates through two different wings: social service wing and disability studies wing.
- A “Talking Book” library has been developed with proper library management system (like accession no.) for the visually challenged students in the Departments of Bengali and History. A small audio recording and editing unit for developing talking books is there in the cell.
- Computers with internet and screen-readable software are marked and maintained for the VH students.
- Special education and training programs for the teachers to handle differently abled individuals are planned.
- The University has made arrangement for physical access of differently abled students and individuals in important administrative and most of the academic buildings.
- The SC/ST cell helps in implementing, monitoring and continuous evaluation of the reservation policy for effective implementation.

#### **5. Evidence of Success**

- Presently, there are more than hundred differently abled individuals, who are in the roll as students.
- The “Talking Book” library has a large number of cassettes, DVDs and CDs and is effectively supporting visually impaired students, particularly in the undergraduate and postgraduate courses in Bengali and History.
- Certificate in Fundamentals in Computer Applications (CFCA), as well as the same course for the students with visual impairment (CFCA-VH-I, CFCA-VH-II), Certificate in Communicative languages (CCL) have been offered for the students with physical and social disabilities.
- A database of the differently abled students of Jadavpur University of the year 2008-2012 is going to be completed which will help in future coordination with them.

#### **6. Problems encountered and Resources Required**

- As some of the buildings of the University are old, it is difficult to find space in them to install elevators. Installation of capsule lifts is expensive. University is in the process of evaluating methodologies to make those buildings accessible to the differently able individuals.

