ANNUAL QUALITY ASSURANCE REPORT, 2004
INTERNAL QUALITY ASSESSMENT CELL, JADAVPUR UNIVERSITY

Name of the Institution: JADAVPUR UNIVERSITY

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Year of Report: 2004
Where data is obtained by the financial year, it relates to 2003-4 unless otherwise stated. Other data (e.g., academic planning and activities, publications, conference participation) generally relates to the calendar year 2004.

Part A: Plan of action: specific targets
- Starting full operation of UPE Programme with intensive development of infrastructure and commencement of research activities.
- Completing semesterization of all UG and PG courses.
- Progress in computerization of all branches of administration.
- More intensive in-house training for both academic and non-academic staff

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Part B:
1. Highlights: activities specially upholding goals and objectives of institution:
- Directorate of Distance Education set up.
- Learner Management System developed.
- SYLFF Programme commenced (formal award in November 2003)
- Administrative Staff Training Centre set up (formally in December 2003)
- Special Education Cell set up under UPE and HEPSN.
- Commencement of 'Earn While You Learn' Programme under UPE.

2. New academic programmes:
(A) Interdisciplinary Programmes:
- M.Tech (Part-time). in VLSI Design and Microelectronics Technology, Dept of Electronics & Telecom Engg
- M.Tech (Part-time). in Intelligent Automation & Robotics, Dept of Electronics & Telecom Engg
- MME in Automobile Engg.: Dept of Mechanical Engg
- M.Tech in IT (Courseware Engg)
- M.Tech. in Nanoscience and Technology
- ME / M.Tech in Water Resource Engg.
- ME in Software Engg.
- M.Tech in Material Engg.
- PG Diploma in Multimedia Development and Web Technology

- ME in Illumination Engg.
- PG Diploma in Mass Communication

(B) Other Programmes:
- B.Ed. (Special Education) under Dept. of Adult Continuing Education
- First PG programme in Power Engg
- Dept. of Physical Education: 2-Year Diploma course in Yoga Therapy
- 4 new PG Diploma courses in Dept. of Adult Continuing Education: Software Engg. & Business Management, Bio-Informatics, Montessori & Kindergarten Teachers' Training, Herbology
- Upgradation of PG programmes in FET.
- Upgradation of UG syllabi in Chemistry

3. Innovations in curricular design and transaction:
- Shift from annual to semester system in M.Sc.: last group of courses to be so converted in the University.
- Joint programme delivery system for MA in Sustainable Development in collaboration with Staffordshire University, UK

4. Inter-disciplinary programmes started:
See above under para 2.

5. Examination reforms implemented:
See para 3 above.

6. Candidates qualified NET/SLET/GATE etc.: Figures not obtainable

7. No. of seminars/workshops conducted: 46

8. Research projects:
    a) Newly implemented: 26
    b) Completed: 8

9. Patents generated: 7 under TEQIP

10. New collaborative research programmes:
See para. 39 below.

11. Research grants received from various agencies: Rs.8,03,91,000

12. Details of research scholars:
Newly joined in 2003-4: CSIR 26 + ICCR 1 + ICPR 2 + ICMR 2 + ICHR 1 + UDFS 28 + UGC 22 + EFIP 2 + QIP 12 = 96
Research Associates: 3

13. Citation index of faculty members and impact factor: Figures not obtainable

14. Honours/Awards to faculty [prizes; prestigious fellowships and visitorships; prestigious offices and nominations (not routine membership) of learned bodies and important state, corporate and social bodies]: 45

15. Internal resources generated: Rs.3,61,10,000
(Tuition & other fees Rs.2,55,65,000 + Other receipts Rs.1,05,45,000)

15(a) Consultancy
Jobs worth Rs.47,00,000 earning Rs.17,00,000 for the University.

16. SAP, COSIST, ASIST, ASIHSS, DST.FIST etc. (as on 31.12.2004)
DRS 5 + DSA 9 + CAS 5 = Total 19
(New CAS: English; New DRS: History, Chem. Engg., Mechanical Engg.)
FIST: 7 (New FIST: Chemical Engg., Electrical Engg., Power Engg.)
ASIHSS 3 (all new: Comp.Lit., Economics, Philosophy)
COSIST 1 (new: Electronics & Telecom Engg.)

17. Community Services:
Dept of Adult Continuing Education
- Approx. 300 women in Kolkata slums & three blocks of South 24-Parganas given vocational training for economic empowerment.
- Vocational training at basic and advanced levels to street children of Kolkata (automobile repairing for boys, sewing & tailoring for girls, both ad basic and advanced level. Total no. of beneficiaries: approx. 125.).

NSS: See para. 34 below.
Counselling Cell: See para 35 below.

18. Personnel and recruitment:
- Teaching staff: 637 out of 819 posts filled
- Officers: 34 out of 36 posts filled
- Other non-teaching staff: 1179 out of 1550 posts filled

19. Teaching/non-teaching staff ratio: Approx. 1 : 2

20. Improvements in library services:
- Annexe Building of Central Library opened
- LIBSYS system made operational
- Participation in UGC Infonet Consortium Network
- Processing and database preparation of Old and Rare Collection undertaken
- First academic publication from library: *Ananya Sudhindranath: Jiban o Rachanapanji*

21. No. of a) books purchased with cost:
11,356 (Rs.40,13,012)
   b) journals subscribed to with cost.
2,265 (Rs.2,46,42,908 incl. 50,00,000 from CDLD)

22. Courses in which student assessment of teachers is introduced and action taken on student feedback:
- Student-Teacher Committees in all departments
- Students allowed access to all internal assessment scripts.
- System of review in place.

- Student feedback introduced in Economics Dept.

23. Unit cost of education (based on Revised Budget Estimates, 2003-4)
Rs.1,20,000 (including salary component)
Rs.33,000 (excluding salary component)

24. Computerization of administration, admissions, exam results, issue of certificates:
- Computerization of records of Meetings Section
- Computerization of salary and pay package operations

25. Increase in infrastructural facilities:
- Totally rebuilt Guest House in operation.
- Spot collection of garbage introduced in staff quarters & hostels.

26. Technology upgradation:
- Regatta server installed on campus
- ER-NET bandwidth expanded to 2 MPS (shared)
- See also above under 'Computerization' (item 24).

27. Computer and Internet access and training to teachers & students:
- Digital Library and Documentation Centre established.
- Computers in all depts. for use of staff and, in most cases, of students.
- Separate computer room for Arts Faculty.
- Basic computer training imparted by School of Education Technology.
- Specialized computer training by various units such as CAD-CAM Laboratory, C-MATER as well as DOEACC on campus

28. Financial aid to students:
641 fully free + 75 half-free studentships totalling Rs.18,55,850/- (figures for 2004-5)

29. Support from Alumni Association:
- Rs.1,60,000 disbursed as scholarships to 144 students
- Training courses in (a) Communicative English, (b) Personal Interview and Group Discussion
- Health Camp

30. Support from Parent-Teacher Association: Not applicable

31. Health services:
- New automatic BPL ECG machine
- New slip lamp and other instruments in Ophthalmology Unit
- Other small surgical instruments acquired

32. Performance in sports activities:
- 2nd in Men's Inter-University Table Tennis Tournament (East Zone)
- 2nd in Men's Inter-University Badminton Tournament (East Zone)
- Lost in quarter-final, Women's All-India Inter-University Tennis Tournament

33. Incentives to outstanding sportpersons:
- Seats in sports quotas at UG level in all subjects
- Best Sportsperson Awards (Women & Men)

34. Student achievements and awards:
- Performance of play 'Lal Kalo'.by Drama Club.
- Performance of Shakespeare's *Measure for Measure* by Dept. of English under Prof. Ananda Lal
- Pindari Glacier trek organized by Mountaineering & Hiking Club.
- Rock Climbing course in Purulia organized by Mountaineering & Hiking Club.
- All-India Photographic Contest organized by Photography Club.
- NSS team (10 volunteers under a teacher) attended National Integration Camp at Lucknow.
- NSS: welfare activities at adopted village (Panikhali, Basanti, South 24 Parganas) to arrest school drop-out rate & fight kala-azar. Also health care camp for mother and child.
- Architecture students came 2nd in Annual Zonal Meet of Architecture students, IIT Kharagpur
- Best PG student paper award to 3 students of Computer Sc & Engg in workshop at Hyderabad

35. Activities of guidance and counselling cell:
Two in-house and two external counsellors. 85 students beneficiaries this year. Other activities:
- 12 group sessions plus survey on prevention of ragging
- Workshop for college and university teachers

36. Placement services: 758 placements in 89 companies for appointments in 2005

37. Development programmes for non-teaching staff:
Administrative Staff Training Centre set up (formally in December 2003). 107 clerical staff given on-job skill enhancement training.

38. Best practices:
- Full semesterization of courses at UG and PG levels
- Regular review of curricula
- Student-Teacher Committee in each Department
- Sustained extension of electronic teaching materials and methods, including online and distance modes
- Intensified efforts to support students with special needs, especially the visually impaired. Special Education Cell set up.
- Cells to look after Gender Harassment and Prevention of Ragging
- Exam results published within 45 days, and all degrees conferred at convocation on fixed date every year.
- Consistent overdraft-free finances. Interest earned through short-term FDs.
- Research and travel support to faculty from University's own income
- Research & project support to students including pre-doctorate students

- Library orientation with 'Know Your Library' information brochure provided to all new students on entry

39. Linkages with national/international academic/research bodies:
15 new linkages through MOUs. Others at various levels of formality too numerous and varied to quantify.

40. Other relevant information:
Faculty Development Programme under Academic Staff College
- Orientation Courses: 2
- Refresher Courses: 14

Research & Travel support to Faculty:
From University's own income: Rs.6,50,000 to 13 awardees

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PART C: PLANS OF THE INSTITUTION FOR THE NEXT YEAR
Specific targets:
- Celebration of Golden Jubilee of the University in befitting and productive manner
- Commencement of web-based distance-mode programmes under Directorate of Distance Education using Learner Management System
- More provision of online learning and research material
- Substantial enhancement of earning through consultancy
- More intensive collection of data and popularization of IQA exercise

APPENDIX TO
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A: EXAMINATION RESULTS

Undergraduate

	appeared	passed	1st class
Bachelor of Arts			
Bengali	NA	39	04
Comparative Literature	NA	34	03
Economics	NA	37	11
English	NA	41	14
History	NA	40	11
Philosophy	NA	37	05
Political Science	NA	44	04
Sanskrit	NA	39	08
Bachelor of Library Science & Information Science	NA	43	24
Bachelor of Physical Education	NA	60	39

Bachelor of Engineering	appeared	passed	1st Class
Architecture	NA	18	04
Chemical Engg.	NA	54	52
Civil Engg.	NA	98	81
Computer Science & Engg.	NA	57	54
Construction Engg.	NA	25	24
Electrical Engg.	NA	131	118
Electronics & Tele- communication Engg.	NA	57	56
Instrumentation	NA	33	32
Mechanical Engg.	NA	120	105
Metallurgical Engg.	NA	17	15
Pharmacy	NA	43	43
Power	NA	29	28
Printing	NA	07	04
Production Engg.	NA	38	35
F.T.B.E	NA	20	19
Information Technology	NA	42	41
Marine Engineering	NA	110	101
Bachelor of Science	NA		
Chemistry	NA	37	23
Geology	NA	28	19
Home Science	NA	86	71
Mathematics	NA	58	38
Physics	NA	49	40