The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. *(Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)*

Part – A

AQAR for the year *(for example 2013-14)*

2017-18

1. Details of the Institution

1.1 Name of the Institution

JAIN (Deemed to be University)

1.2 Address Line 1

34, 1st Cross,

Address Line 2

(Adjacent to Bangalore Stock Exchange) J C Road,

City/Town

BENGALURU

State

KARNATAKA

Pin Code

560027

Institution e-mail address

vc@jainuniversity.ac.in

Contact Nos.

080-43430405, 9845691446

Name of the Head of the Institution:

Dr. N Sundararajan

Tel. No. with STD Code:

080-43430405

Mobile:

| 9845691446 |

Name of the IQAC Co-ordinator:

| Dr. Asha Rajiv |

Mobile:

| 9880624363 |

IQAC e-mail address:

| asha.rajiv@jainuniversity.ac.in |

1.3 NAAC Track ID *(For ex. MHCOGN 18879)*

| KAUNGN60028 |

OR

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)26/A & A/21.1 dt: 19th July 2017 |

1.5 Website address:

| www.jainuniversity.ac.in |

Web-link of the AQAR:

| www.jainuniversity.ac.in |

For ex. http://www.ladykeanecollege.edu.in/AQAR2012-13.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	A	3.31	July 2017	July 2022
2	2nd Cycle	-	-	-	-
3	3rd Cycle	-	-	-	-
4	4th Cycle	-	-	-	-

1.7 Date of Establishment of IQAC: **DD/MM/YYYY**

| 19/12/2009 |

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

    i. AQAR _____ ---__ _____ (DD/MM/YYYY)
   ii. AQAR_____ ____----_____ (DD/MM/YYYY)
  iii. AQAR_____ ____----_____ (DD/MM/YYYY)
  iv. AQAR_____ ____----_____ (DD/MM/YYYY)

1.9 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 [√]

1.10 Type of Faculty/Programme

Arts [√] Science [√] Commerce [√] Law [√] PEI (Phys Edu) [ ]

TEI (Edu) [ ] Engineering [√] Health Science [ ] Management [√]

Others (Specify) [· -------]

1.11 Name of the Affiliating University *(for the Colleges)*   [---------]

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

Autonomy by State/Central Govt. / University | Graded Autonomy by Central Government |

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*) | Graded Autonomy Category II |

UGC-COP Programmes | -------- |

2. IQAC Composition and Activities

2.1 No. of Teachers | 25 |

2.2 No. of Administrative/Technical staff | 02 |

2.3 No. of students | 02 |

2.4 No. of Management representatives | 02 |

2.5 No. of Alumni | 01 |

2. 6 No. of any other stakeholder and community representatives | 02 |

2.7 No. of Employers/ Industrialists | 02 |

2.8 No. of other External Experts | 02 |

2.9 Total No. of members | 39 |

2.10 No. of IQAC meetings held | 05 |

2.11 No. of meetings with various stakeholders: No. | 22 | Faculty | 09 |

Non-Teaching Staff Students | 03 | Alumni | 03 | Others | 07 |

2.12 Has IQAC received any funding from UGC during the year?   Yes | | No | √ |

If yes, mention the amount | |

2.13 Seminars and Conferences (only quality related)

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

Total Nos. | 03 | International | - | National | - | State | - | Institution Level | 3 |

 (ii) Themes

Research Retreat

Faculty Development Programme

Swayam Awareness

2.14 Significant Activities and contributions made by IQAC

The IQAC of the University has devised optimum methods to facilitate continuous quality assessment. Through its activities, it has been an agent of change in the institution ensuring efficient performance of academic and administrative tasks. The various other quality initiatives undertaken by IQAC are:

- Conduct of Faculty Development programme annually.
- NAAC Accreditation with 'A' Grade (CGPA of 3.31)
- Inputs for preparation of the documents for Ranking Survey.
- Regular Audit for improving Teaching-Learning pedagogy.
- Fulfilling social responsibilities.
- Strategic plan for academic activities.
- Result Analysis
- Monitoring the activities of all clubs and forums.
- Recording of best practices.
- Support to placement activities.
- Audit pertaining to ISO 9001:2009 certifications.

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
Preparation of Self-Study Report for NAAC Accreditation	• The University was accredited by NAAC with an 'A' grade and CGPA of 3.31 on seven point scale on 19th July 2017.
Review by UGC expert committee	• Review by UGC expert committee was held during 21st - 23rd Dec'17 • Jain University was awarded "Graded Autonomy" by UGC during 21st March 2018 under the categorization of grant of Graded Autonomy Regulations 2018.
Developmental Programmes	• Orientation Programme for faculty on use of ERP for students' academic life cycle • Counselling session for students • Faculty Participation in workshops, conferences, seminars and poster presentations • Womens cell activities • Complementary health Check-up camps • Gender sensitization programmes.
Documentation towards ranking Surveys	• Ranked 6th among India's Best private Universities • Ranked 21 among the top Private Universities • Awarded 4 stars in the young University category in Karnataka by KSURF ICARE ratings and in various categories such as Teaching & Excellence, Inclusiveness and Social impact, Research Excellence, Infrastructure and Innovation
Fulfilling Social responsibilities	• Blood donation programmes • Cleanliness drive with regard to Swatch Baharat Pakwada • Participation in Rally for Rivers

	• Crime Prevention rally
	• Celebration of World Environment Day
	• Yoga day Celebrations
	• Outreach activities through NSS,NCC and Rotaract Club
Placement and Orientation programmes for Students	• Improvement in placements
	• Networking with more number of potential employers
Result Improvement initiatives	• Remedial classes
	• Mentorship programmes
	• Extra coaching for slow learners
Feedback response from students, parents and other stakeholders on quality related institutional Processes	• Review report on the feedback received from the stakeholders for continuous improvement

* Attach the Academic Calendar of the year as Annexure -i

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 before the Academic council and Board of Management. The members of the council made certain observations. On the basis of these observations, relevant steps were taken by the IQAC to implement the same.

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes (Data: 2017-18)

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	36	-	36	
PG	43	10	53	
UG	43	15	58	
PG Diploma	03	01	04	
Advanced Diploma				
Diploma				
Certificate				68
Others				
Total	**125**	**26**	**151**	**68**

Interdisciplinary	PG- 08 UG-18	PG - 02 UG - 05	PG- 10 UG - 23	
Innovative	PG – 18 UG – 24 PGD -02	PG - 04 UG – 08 PGD -00	PG – 22 UG – 32 PGD - 02	

√

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open option
   (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	115
Trimester	-
Annual	-

1.3 Feedback from stakeholders*   Alumni [√] Parents [√] Employers [√] Students [√]
   (On all aspects)

   Mode of feedback   :   Online [ ] Manual [√] Co-operating schools (for PEI) [ ]

*Please provide an analysis of the feedback

FACULTY:

A well-defined mechanism has been developed to obtain feedback from all stakeholders. The IQAC of the University plays an active role in developing, sustaining, improving and enhancing the quality parameters. The feedback is taken twice in an academic year. One at the beginning of the semester and the other at the end of the academic session. The IQAC has taken the responsibility of collating, processing and analyzing the student feedback once it is collected. A faculty member is evaluated on twelve parameters on a seven point scale. The frequency of response for the various parameters of each faculty is identified, and observations are made by the Director of each centre. A comparative analysis of the feedback based on the previous feedback is also sent by the Directors. The feedback and evaluation is communicated to the respective faculty members. The faculty members are informed about the areas of concern to help them improvement in performance. During the academic period 2017-18, the IQAC has processed a total of 16,810 student feedback forms. The average rating of teachers range from a minimum of 4 to a maximum of 7. Faculty Development Programme is organised for faculty members rated below 4.

PARENTS:

Parents –Teacher Meetings are regularly conducted for the parents where they are appraised of the academic progress of their wards and also of issues regarding the students. Besides, the progress reports are sent to them through e-mails, SMS and conventional mails. Informal feedback are taken by the heads of the departments and Director of the campus and measures taken for improvement.

ALUMNI:

Alumni actively participate in various activities and provide valuable inputs. Some of the ways in which they are engaged with the University are by delivering guest lectures, providing internship guidance and sharing constant updates on new developments in the industry.

EMPLOYERS:

Feedback is taken from the potential employers on a regular basis and the University organises periodical networking sessions to ensure that the employers see themselves as a partner in student development rather than just as recruiters.

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

- CBCS introduced for all B.Tech programmes in the academic year 2017-18 and for other UG programmes in the year 2016-17. CBCS will be introduced for all PG programmes during 2018-19.
- Syllabi of the B.Tech programmes were revised as per CBCS guidelines during the academic year 2017-18
- Syllabus prepared for 12 UG Programmes and 02 PG new programmes.

Representatives from National laboratories, research institutions, industries, relevant social organizations and the like are involved in the BoS and their suggestions are taken into account and incorporated in the syllabus so that it meets the global demands and makes the students globally competitive. The revision of syllabus was undertaken keeping in mind the requirements of the society and employability of the students. The following strategies were adopted for revision of existing programmes:

- Industry requirements
- Analysis of current and future challenges
- Identification of innovative pedagogy
- Training tools and techniques
- Compliance with regulatory bodies
- Regional needs
- Global Trends
- Affordability, utility and feasibility
- Societal and industrial requirements
- Employers feedback
- Feedback of Alumni

Fine tuning of the syllabus of all the programmes were done during the BoS meetings

.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

Fire and Combustion Research Center (FCRC)

To conduct frontier studies in fire science, research and technology development

To provide advanced knowledge through regular postgraduate and graduate courses, Ph.D. programmes, online courses, short term courses, specialized workshops and discussion forums

To develop a pool of well-trained human resource, catering to the increasing needs of the country in Fire Safety and Combustion

Faculty of Law:

Professional Law Degree

The School of Law and Governance is recognized by the Bar Council of India to offer integrated five year Law Degree programme (LLB) in four streams.

- Arts [B.A. LL.B. (Hons.)]
- Management [B.B.A. LL.B.]
- Commerce [B.Com. LL.B.]
- Science [B.Sc. LL.B.]

Criterion – II

2. Teaching, Learning and Evaluation (Data: 2017-18)

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
545	407	71	56	11

2.2 No. of permanent faculty with Ph.D. 207

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
36	-	9	-	7	-	6	-	58	-

2.4 No. of Guest and Visiting faculty and Temporary faculty   18   44   28

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	38	75	11
Presented papers	72	78	-
Resource Persons	08	07	-

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

Innovative process adopted by the institution in Teaching and learning:

1. **Curriculum Design and Revision**
   - A conscious effort is made to introduce programmes in innovative / emerging areas. The University has **57** post graduate programmes, including **04** PG Diploma programmes out of which **24** are in niche emerging and innovative areas. Similarly, out of **58** UG programmes, **32** are in innovative and emerging areas.
   - Curriculum design provides opportunity for students to get involved in innovative projects in their respective domains.
   - Bloom's taxonomy is incorporated in the academic delivery process to encourage higher-order thought in students by building up from lower-level cognitive skills.

- A Committee is formed to analyse the inputs accumulated after a thorough discussion with successful alumni, current students, experts and practitioners in the relevant fields. This `bottom-up` approach permits a realistic assessment of the practical skills and knowledge that a learner going through a programme requires. This becomes the basis of the curriculum blue print prepared by the concerned department.

- Curriculum is revised once in 3 years for UG, 2 years for PG and 4 years for B.Tech programmes and fine-tuned as and when required

- Curriculum design incorporates provisions for students to get involved in innovative projects in their respective domains. Thrust is given to interdisciplinary/ multidisciplinary research programmes thereby creating a corpus of knowledge base on new and emerging areas. The course contents are revised every three years to include the recent developments in the respective fields

- The University has introduced Choice Based Credit System (CBCS) across faculties as per UGC guidelines in the year 2016 for all the Undergraduate courses and for all B.Tech programmes in the year 2017 and will be introducing for PG programmes during 2018. A handbook has been prepared for the same. It has been refined and improved by including value added courses and flexibility in elective courses and Industry related courses developed by the University-Industry Interface Cell. The Boards of Studies meet regularly and update and revise the syllabi on need basis. The Internal Quality Assurance Cell (IQAC) has a well-defined and tested mechanism to get feedback about the courses/programmes and the feedback is used to introduce new courses and modify the existing ones.

- The curriculum has been reviewed and improved by inculcating value added courses and flexibility in elective courses and industry related courses developed by the University -Industry Cell. **68** value Added Certificate Courses are offered in industry verticals. The tie-up with International professional bodies like ACCA, CIMA, AIA, CSFS and the like provides global exposure and international certification.

- Utmost importance is given in programme design and revision of curriculum to cater to learner needs, employability and entrepreneurship. While revising the curriculum periodically suggestions from all stake holders are considered.

2. Up gradation of Academic Resources

Jain University has created good Infrastructure for imparting quality education.

- Each campus boasts of specialized infrastructure for imparting quality education. Aesthetically designed, all the buildings create an environment conducive to making learning an enjoyable, memorable and enriching experience.

- Well stacked libraries and reading rooms with relevant reading materials and digital resources. The libraries at all campuses are well-stacked with reference and borrowing sections. They are fully automated with latest software and online database like IEEE & ASME, EBSCO EMERALD & AEAA. All the campus libraries are intra networked through KOHA software.

- There are adequate number of lecture halls, staff rooms, laboratories, seminar halls, residential facilities and sports infrastructure.

- The Center for Virtual learning and Innovation takes care of Technology Enabled Learning (TEL). There are smart classrooms for virtual learning. The Centre also has a well-equipped studio with good editorial facility and supportive team and the production of Virtual Learning modules is being done in-house.

- The "ERP software package" developed by the University covers the entire spectrum of the University activity right from the application stage till issue of the final degree certificate.

- Broadband & Wi-Fi in all campuses under NMICT.

- Digital payment gateway through SBI. Moving towards 100% paperless administration.

- VMWare lab has been setup for training in virtualization. Amazon Web Services lab and MATLAB support learning. Additional credits are granted to students for enrolling and getting certificate through Swayam portal.

- Multimedia projectors, laptops, Internet, animated technical programmes, movies and documentaries are additional learning resources.

- Technology Enhanced Learning (TEL) is a unique type of learning that is powered by digital technology.TEL facilitates convenient and flexible self-paced learning sessions to the students leading to 24x7 learning places.

- Exclusive MOOCs platform, JUx. The University has signed agreements with leading organisations such as Simply Learn and Future Sharp Skills Ltd., to access proprietary content.

- Amazon Web Services Lab (AWS): Students are provided access to the AWS Cloud computing platform. Hands-on training on this industry standard technology platform enhances their skill and provides more opportunity for employment.

- Learning Management System (LMS) allows the faculty to assign and receive assignments from students and encourages interaction between the faculty and the students. Certain campuses and public platforms like Google Groups help two-way communication between faculty and students. Learning materials, assignments etc. are shared through these platforms. Some faculty also use social media platforms like Whatsapp as discussion forums. It also helps enrich the study content by bringing new learning approaches to create an innovative learning model.

- Multimedia Pravachan [MMP] is a unique method of imparting knowledge to students. Students are seated in the lecture hall, which is equipped with the projection system, speakers and the networked console.

3. Learning Environment

- The University has a `Learner First, Learner Always Approach` to the Teaching/Learning Process in consonance with Karnataka State Youth Policy. This is implemented in both `in class` and `beyond class` learning and with a range of co – curricular and extracurricular activities. The teaching-learning process in the classroom is participatory. In the training workshops, Faculty members are encouraged to ensure that classroom interaction provide for 50% student talk time in order to make learning interactive and participatory.

- Apart from academic activities which facilitate student centric learning, the co-curricular activities are organized by the students through which they learn organizational and leadership skills.

- Learning resulting in defined outcomes such as quality placements, community involvement of students, sports excellence and entrepreneurship have been institutionalized.

- Every year before the commencement of the academic session, the academic calendar is prepared by the Director- Academics and Planning in consultation with the Directors of Schools, Deans and HoDs.

- The teaching learning schedule is well planned and implemented by the academic heads of the units in consultation with the HODs and Deans of those units so as to ensure the smooth flow of academic and other curricular activities.
- Student support services include Industry-University Interface Cell, Counselling Cell (VISWAS), grievance redressal cell, placement and guidance cell, international student & scholar advisory cell, women's cell, anti-ragging cell, internal complaints committee, ROTRACT club, NSS, NCC, cultural forums. Training is given to selected sports person in foreign countries.

4. **Quality of Teaching**
- Many faculty members are leading researchers and scholars of international repute. Many of them have been recognized for their potential (160 such honours and recognitions). 207 regular faculties have Ph.D. degrees and 83 have completed their M.Phil. 146 of the faculty have registered for Ph.D. and are at different stages of their research work. About 38 faculty members are NET/ SLET/ SET qualified.
- The University has an established practice of inviting domain experts to deliver lecture to the students in their chosen field of expertise. These lectures are beyond classroom teaching which gives a broader and analytical perspective of the subject. Experts from reputed organizations/ industries/ relevant societal organizations are invited on a regular basis by the respective departments for organizing special lectures, seminars and workshops.
- Learner centric approaches incorporate Bloom's taxonomy, experiential learning (internship, projects, hands on training) 24x7 learning, anytime-anywhere learning through LMS, E-content & MOOCs and contemporary pedagogical tools (such as case study, simulation, role-play and innovative student projects, peer assisted, co-operative, blended and participative learning, adaptive learning, interactive tutorials, cognitive and affective learning).
- Teaching methodologies are complemented with use of ICT and digital technology.
- During the academic year 2017-18 there were 169 guest lectures/ invited talks and 48 workshops conducted by the various departments of the University.

5. Faculty Development

The University believes that workshops, training programmes and sensitization programmes add to the consequence of education and enrich the students and faculty members. Organizing these events and programmes also nurtures the research culture and disseminates knowledge.

- 45 Faculty Development programmes, 214 - Skill Development workshop have been conducted over a period of 7 years.

- A module has been introduced in all Faculty Development Programmes of the University on blended and flipped classroom methodology through effective use of Swayam resources with a view to improve the quality of learning.

- **Annual Summer School on Quantitative Data Analysis**

  Every year, the University hosts a 10 day long Summer School on Quantitative Data Analysis in association with Lokniti, New Delhi. The workshop is open to participation from research scholars and academicians all over the country. The resource persons who were drawn from a pool of international and national researchers and academicians of repute are Dr Irfan Nooruddin, Professor, Georgetown University, Dr Suhas Palshikar, Professor, Savitribehn Phule University, Pune, Dr Sanjay Kumar, Director CSDS, Delhi, Dr Siddarth Swaminathan, Professor, Azim Premji University and Dr K K Kailash, Professor, University of Hyderabad. The workshop was meant to train participants in research methodology and latest techniques in data analysis

- **Faculty Development Programme on Data Analysis through SPSS**

  Held every year in association with iNurture, this is another initiative of the University to promote a culture of research on its campuses. This FDP is intended to help faculty members to sharpen their Analytical Skills through SPSS (Statistical Package for the Social Sciences). The program is designed to cover all relevant aspects of Statistical Data Analysis starting from the very basics of Data Preparation, Data Cleaning to Advanced Statistical Techniques including the theoretical foundations of such techniques. Resource person for the year 2017-18 were Dr. Vinod K Murti and Sr. Scientist Vishwanath K.

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

$$\boxed{220}$$

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

Examination/ Evaluation Reforms:

- Grading system SGPA and CGPA score on a 10 scale has been introduced from 2010-2011

- Continuous Internal Assessment on clearly defined departmental parameters

- Ensuring the error free announcement of results within 10 days of University Semester examinations for Undergraduate courses and 20 days for Postgraduate courses.

- Opportunity for students to access the results on the website (results@jainuniversity.ac.in)

- Verification of student's data is done online with a request (directverify.ac.in)

- A software 'MyShiksha' has been introduced in 2013.

- The software "ERP package" developed by the University covers the entire spectrum of the university activity right from the time the student sends in the application for joining the course till the final degree certificate is issued. Examination Module in the ERP package handles all the activities involved in conducting an examination.

- An agreement is entered between Jain University and CDSL Venture limited as Depository by UGC.

- Continuous Assessment implemented after intense brain storming sessions involving internal & external experts.

- The maximum frequency of variance between IA and UE is between 0% – 20%

- Development of subject-wise Question Banks.

- Fully Automated Examination system.

- Online internal test for continuous assessment.

- Transparency in evaluation through revaluation / challenge valuation.

- Resolution of Examination related grievances within 3 days.

- Practice of Barcoding on the answer sheet ensures proper functioning with respect to student identification, valuation & for any future reference.

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

All the senior faculty members are involved in curriculum restructuring and revision of syllabus. Boards of Studies are constituted in each subject involving industry and academic experts.

2.10 Average percentage of attendance of students

80%

2.11 Course/Programme wise distribution of pass percentage:

PASS PERCENTAGE				Division			
Title of the Programme	**Total no. of students Appeared**	**Outstanding**	**Distinction**	**First**	**Second**	**Third**	**Pass %**
UG Engineering	B.Tech - Aerospace	138	-	118	20	-	-	100.00
	B.Tech - Computer Science	78	-	67	5	2	-	94.87
	B.Tech - Civil	67	1	54	10	1	-	98.51
	B.Tech - Electronics	66	1	48	11	1	-	92.42
	B.Tech - Electrical	30	-	16	10	-	1	90.00
	B.Tech - Information Science	35	-	34	1	-	-	100.00
	B.Tech - Mechanical	84	12	66	4	-	-	97.62
UG Programme	BBA	677	5	164	324	73	6	84.49
	BAJM	55	-	5	40	7	1	96.36
	BA-PSE	14	-	2	7	3	-	85.71
	BA-OPJ	51	-	5	16	11	-	62.75
	BSC-ID	97	6	76	14	-	-	98.97
	BSC-CMBt	17	1	6	7	3	-	100.00
	BSC-CBBt	10	-	4	4	1	-	90.00
	BSC-CGBt	10	1	3	5	-	1	100.00
	BSC-PMCs	14	-	3	5	3	-	78.57
	BSC-PME	6	-	1	2	1	-	66.67
	BSC-Forensic	44	3	19	20	2	-	100.00
	BCOM	458	10	131	209	56	10	90.83
	BCOM-IFA	58	-	7	40	3	-	86.21
	BCOM-RM	29	1	14	11	2	-	96.55
	BCOM-Honours	85	1	17	44	17	-	92.94

	BMS-Financial Services	43	-	21	13	4	-	88.37
	BMS-International Business	114	1	34	44	18	1	85.96
	BMS-Tourism & Hospitality Mgt	5	-	2	2	-	-	80.00
	BSC-Animation	31	-	14	12	2	-	90.32
	BCA-CTIS	30	-	24	6	-	-	100.00
	BCA-DA	9	-	5	3	-	-	88.89
	BCA-ISIM	25	2	16	6	-	-	96.00
	BCA-ISMA	13	1	9	3	-	-	100.00
	BCA-MACT	24	1	15	6	1	-	95.83
	BCA-CFX	3	-	-	3	-	-	100.00
PG M.Tech	M.Tech - Aerostructures	8	1	6	1	-	-	100.00
	M.Tech - Avionics	6	2	4	-	-	-	100.00
	M.Tech - Aircraft Propulsion	3	1	1	-	-	-	66.67
	M.Tech - Computer Science	5	-	4	1	-	-	100.00
	M.Tech - Building Science & tech	6	-	4	2	-	-	100.00
	M.Tech - Food Tech	15	-	9	4	1	-	93.33
	M.Tech - Energy Mgt & Climate Change Tech	2		2	-	-	-	100.00
	M.Tech - Embedded system design	3	1	2	-	-	-	100.00
	M.Tech - Thermal Engg.	1	-	1	-	-	-	100.00
PG	MA -Dance	12	-	7	4	-	-	91.67
	MA -Economics	15	-	7	8	-	-	100.00
	MA -English	27	-	2	22	3	-	100.00
	MA -Journalism & Mass Communication	40	-	3	30	6	-	97.50
	MA -Music	7	-	-	6	1	-	100.00
	MCOM	27	-	16	10	-	-	96.30
	MCOM-Financial Analysis	40	-	23	15	1	-	97.50
	MMS-Business Analytics	7	-	2	4	1	-	100.00
	MMS-Financial Accounting	17	-	5	11	1	-	100.00
	MMS-Financial Management	7	-	-	6	1	-	100.00
	MMS-BAFS	20	-	4	15	-	-	95.00
	MCA-IMS	10	-	3	5	2	-	100.00
	MCA-ISMS	42	-	16	22	2	-	95.24
	MCA-SCT	54	-	6	36	6	-	88.89

MCA-Regular		15	1	6	5	2	-	93.33
MSC-Animation		14	1	1	9	3	-	100.00
MSC-Biochemistry		20	-	3	13	4	-	100.00
MSC-Biotechnology		36	-	3	27	4	-	94.44
MSC-Chemistry		19	1	11	6	1	-	100.00
MSC-Forensic Science		68	2	25	38	-	-	95.59
MSC-Information Technology		20	-	7	11	1	-	95.00
MSC-Microbiology		19	-	2	13	3	-	94.74
MSC-Physics		24	-	4	17	1	-	91.67
MSC-Psychology		41	-	19	16	6	-	100.00
MBA		307	-	31	216	11	-	84.04

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

The Internal Quality Assurance Cell (IQAC) has a well-defined and tested mechanism to get feedback about the courses/programmes and the feedback is used to introduce new courses and modify the existing ones. IQAC monitors and ensures the smooth functioning of the academic delivery mechanism through feedback on teaching earning, course assessment and exit questionnaire and subsequently analyzing the same for improving the teaching – learning process. The IQAC of the University has taken up the initiative of obtaining the feedback from the student on teaching/ learning and the curriculum at the end of the academic year. The feedback is analyzed by the subject experts and wherever necessary it is incorporated in the curriculum. The feedback is considered very important in making significant changes in the curriculum as it helps in knowing student achievements and faculty difficulties. The comments given by the evaluation team not only helps in achieving the objectives but also helps in modification of the syllabus. For the analysis of student feedback software has been designed by the University to analyze it and the frequency response chart in the form of bar diagram generated and given to individual teachers along with their performance appraisal. The average rating of teachers range from a minimum of 4 to a maximum of 7. Feedback is obtained from potential employers and from students about faculty members at the end of each semester. Feedback is taken from various recruiters on a regular basis and the University organizes regular networking sessions to ensure that the employers see themselves as partners in student development rather than just as recruiters. The feedback mechanism of the University has been reviewed and found satisfactory for TUV Rheinland for ISO Certification, The University has a

good "Student Mentoring" system in place, where each faculty is in-charge of 20 students. The University believes in a structured process for mentoring. Each student is made to fill a form which contains all the personal and academic details. The mentor undertakes counseling for the students, with respect to academics, personal issues, career and emotional issues and helps in their overall development. Participation in activities and prizes won are documented, General Health condition and major Health Issues if any are also discussed. The mentor also discusses with the student curriculum, co-curriculum and extra-curricular activities. Performance in academics and attendance are given major focus. Suggestions are given for improvement. A comparative analysis is made in the next meeting to note the progress or otherwise. One of the important focus areas of IQAC is to undertake the result analysis of every discipline after the declaration of the results of the term end examination. There has been an incremental growth in the academic performance of students from disadvantaged sections. As a result of the measures adopted for improvisation of the academic performance, it has been found that there is a marked difference in the performance at the entry and exit level of the students. It has been observed that these students have fared better after joining the University in their academic performance. MBA students under the mentorship of faculty develop case studies of incubated companies. Mentorship has led to a positive impact on the students. Overall it has been found that the students have gained overall confidence, personal insight and understanding and improved communication and leadership skills.

2.13 Initiatives undertaken towards faculty development   (Data: 2017-18)

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	490 Faculty Members
UGC – Faculty Improvement Programme	-
HRD programmes (In-house)	86
Orientation programmes	135
Faculty exchange programme	02
Staff training conducted by the university	40
Staff training conducted by other institutions	-
Summer / Winter schools, Workshops, etc.	64
Others	15 FDP Organised by Jain (Deemed to be University)

2.14 Details of Administrative and Technical staff (Data: 2017-18)

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	304	-	24	11
Technical Staff	107	-	14	07

Criterion – III

3. Research, Consultancy and Extension

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

The University has inculcated a culture of research and is supporting high quality research at all levels. All the Post Graduate Departments and most of the Undergraduate Departments are actively involved in research activities. Cutting edge and frontier research is being carried out catering to regional and national requirements. The University has a Research Development Cell (RDC) chaired by the Vice-Chancellor which coordinates its research activities. The RDC coordinates all major and minor research proposals, organizing of international and national conferences / seminars / workshops and deputation of faculty for conferences. The University is promoting research in the areas in which the faculty members working under different departments and research centres specialize. The University through its dedicated Centers for Research has entered into collaborations with leading universities, research institutions/laboratories and prestigious corporate bodies for undertaking research and consultancy. Besides these the schools of the University have RDC on their campus to motivate Undergraduate students for research. The in-house projects are funded by the Management. Faculty members are encouraged to submit research projects to various funding agencies like DST, BRNS, MOEF, MNRE, AICTE and the like. Skill development programmes are organized regularly for the Research scholars. Faculty members are provided grants towards registration fee for attending conferences/ workshops.

3.2 Details regarding major projects (Data: 2017-18)

	Completed	Ongoing	Sanctioned	Submitted
Number	04	38	-	04
Outlay in Rs. Lakhs	147.44	1408.29	-	149

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	14	-	-
Outlay in Rs. Lakhs	-	15.63	-	-

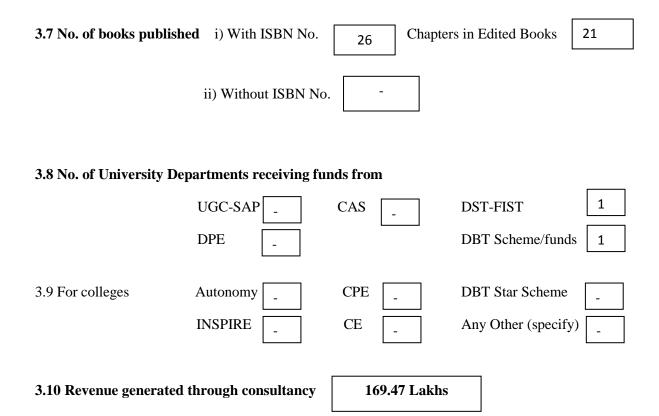**3.4 Details on research publications (Data: 2017-18)**

	International	National	Others
Peer Review Journals	270	210	-
Non-Peer Review Journals	515	373	9
e-Journals	-	-	-
Conference proceedings	21	42	-

3.5 Details on Impact factor of publications: (Data: 2017-18)

Range 0.034-18.96   Average 2.62   h-index 34   Nos. in SCOPUS 287

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations (Data: 2017-18)

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned (Rs in Lakhs)	Amount received during the year (Rs in Lakhs)
Major projects	2015-2018	ICSSR, DST, Ministry of drinking water, India, DAE-BRNS, ISRO, NRB, SERB, Ministry of Science and Technology, ICHR, Department of Space, IRNSSGTRE, SERB-DIST, Forum of Federations Ottawa, GOK & CSDS Delhi	1235.01	269.27
Minor Projects	2016-18	ICPR Santhigiri Research, ICPR, IRNSS, Karnataka Janapada Vishwavidyalaya, Poornaprajna Group of Institutions, UNESCO, Centre for rural studies, Acharya Group of Institution, KSRTC, CSDS & UGC Government of India	13.63	9.00
Interdisciplinary Projects	-	-	-	-
Industry sponsored	2012-18	Maxshield Insutech, UL & EU-FP7	130.28	169.47
Projects sponsored by the University/ College	2017-18	In-house sponsored projects	-	1.00
Students research projects *(other than compulsory by the University)*	2017-18	Jain (Deemed to be University)	0.55	0.55
Any other(Specify)				
Total			**1379.47**	**449.29**

3.7 No. of books published   i) With ISBN No. | 26 | Chapters in Edited Books | 21 |

ii) Without ISBN No. | - |

3.8 No. of University Departments receiving funds from

UGC-SAP | - | CAS | - | DST-FIST | 1 |

DPE | - | DBT Scheme/funds | 1 |

3.9 For colleges   Autonomy | - | CPE | - | DBT Star Scheme | - |

INSPIRE | - | CE | - | Any Other (specify) | - |

3.10 Revenue generated through consultancy | **169.47 Lakhs** |

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	06	08	06	26	-
Sponsoring agencies	iNurture Education solutions pvt. ltd., Jain (Deemed to be) University	Jain University, Narasimhaswamy Trust	Jain University	Jain University	-

3.12 No. of faculty served as experts, chairpersons or resource persons | 209 |

3.13 No. of collaborations   **International** | 38 | **National** | 47 | **Any other** | - |

3.14 No. of linkages created during this year | 32 |

3.15 Total budget for research for current year in lakhs: (Data: 2017-18)

From funding agency	Rs 1183.27 lakhs
From Management of University/College	Rs. 715.45 lakhs
Total	**Rs 1898.72 lakhs**

3.16 No. of patents received this year

Type of patent		Number
	Applied	15
	Granted	-
	Published	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

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
47	16	21	03	05	-	02

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

90

248

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

82

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

JRF   09   SRF   01   Project Fellows   -   Any other   09

3.21 No. of students Participated in NSS events:

University level | 150 | State level | 204

National level | 04 | International level | -

3.22 No. of students participated in NCC events:

University level | 100 | State level | 14

National level | 10 | International level | 06

3.23 No. of Awards won in NSS:

University level | - | State level | -

National level | - | International level | -

3.24 No. of Awards won in NCC:

University level | - | State level | -

National level | 03 | International level | -

3.25 No. of Extension activities organized

University forum | 12 | College forum | 45

NCC | 54 | NSS | 43 | Any other | -

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

Extension Activities (2A/5):

1. Cadet. Manish Sharma – Youth exchange programme
2. Special campus - SNIC- Lakshadweep

   OTA Attachment – Kamp tee

   Faculty – 01

   All Cadets - 150

Adventure Activity:

- Motorcycle expedition
- Bicycle expedition
- Para jumping
- Horse riding
- Water sports
- River rafting
- Cave exploration Rappelling
- Anti – drug day

NCC girls (1COY 9KAR BN NCC):

Cycle expedition – Awareness to Curb Child Labour, Bengaluru to Thurvekere, Tumkur distance - 260 KMs, 15 cadets and 1ANO.

Extension activities:

Visits to orphanage, blind school, old age home, awareness programme on traffic, ecology, women empowerment, e- money awareness

NSS: T. Hosahalli

Rural Teaching – Jan 2017

- Adult literacy
- Civic amenity initiatives
- Tree plantation
- Swatch Bharat Abhiyaan
- Blood donation camp
- Mega eye camp
- Waste management
- Educational and economic survey
- Monument preservation camp

The highlight of the Year 2017-18 was the adoption of 8 villages in T. Hosahalli Grama Panchayat range:

These Villages are:

- T. Hosahalli – Balechannavalasa, puradoddi
- Paduvanagere – Krishnapuradoddi
- Agara
- Doddasadenahalli – Dodduru, Puttahegdevalase, Doddasadenahalli Panchayati,Jati colony
- Chikkasadenahalli
- Maralagere (Bejarak) – Sanjevaianna Doddi, Narasimhaihna Doddi, Marigowdana Doddi
- Chikkadevarahalli

SWACCH BHARAT ABHIYAN:

The following are the activities of Swacch Bharat Abhiyan conducted every year between August and February

Name of the Activity	No of students participation
Plastic free zone at lalbagh	400
Tree plantation drive	300
Rally for river – save water	1300
Swacch Bharat Abhiyan by industry partners with Jain (deemed to be University)	600
NCC cadets – Rain – Ride to coorg - Attention to Cauvery basin exploitation	140
Youth week – campus cleaning, tree plantation, creation of plastic free zone –	156
Trekking to clean heritage and green sites – Savanadurga, Rangasthala	232
Anti – drug Awareness rally	500
Towards clean country – talks by celebrities and successful personalities in various walks of life	65
Swacchta Pakhwaa – 15 days programme • Awareness talks • Cleaning campuses • Visit to adopted villages/slums door to door campaigns • Construction of toilets • Medical awareness campus • Cleaning of heritage sites • Swacchata Shapath	600
Idea conclave for better Bengaluru	400
Socio – Economic survey of adopted Villages • Mari gowdana Doddi • Sanjewana Doddi • Kiranagere • Padavanagere • Chikkadevarahalli • T – Hosahalli	40/villages

• Agara • Maralagere	
At adopted villages • Socio –Economic survey • General health camp • School eye screening camp • Importance of literacy • Dental health check – up and oral hygiene camp	40/Village
Initial survey at T- Hosahalli to digitize and create smart village	43
Swacchta ki Seva	30 girl students
Adoption of 9 villages for cleanliness drive and digitization and conversion to smart village	360
Swacch Summer Internship	100 Students

Swacch Bharat Abhiyan

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Total Land available:

| 25 acres |

Location of the Campus & area:

Sl. NO.	Campus	Location *	Built up area
1	School of Engineering & Technology		
2	International Institute for Aerospace Engineering & Management (IIEAM)	Rural	131399 sq.m
3	School of Sciences	Urban	16368 sq.m
4	School of Humanities & Social Sciences		
5	School of Interior Design	Urban	4779 sq.m
6	School of Management (UG)	Urban	10126 sq.m
7	School of Commerce		
8	School of Management (PG)		
9	School of Computer Science & Information Technology	Urban	30116 sq.m

Facilities	Existing	Newly created	Source of Fund	Total
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	20	45		65
Value of the equipment purchased during the year (Rs. in Lakhs)	30,00000/-	20,00000/-		50,00000/-
Others		5,00000/-		5,00000/-

The total number of classrooms available school-wise is as under:

Sl.No.	Constituent Units	No. of Class rooms	No. of Staff rooms	No. of Laboratories	No. of Seminar Halls
1	School of Engineering & Technology	40	12	40	Auditorium -02 Indoor stadium - 01 Colosseum - 01
2	School of Sciences	54	10	20	Auditorium -01 Seminar Hall - 01
3 4	School of Humanities & Social Sciences School of Interior Design	26	08	02	Seminar Hall - 02
5 6 7	School of Commerce School of Computer Science & IT School of Management (PG)	66	10	23	Seminar Hall - 03
8	School of Management (UG)	32	7	2	Seminar Hall - 03
9	International Institute for Aerospace Engineering & Management	11	5	4	Seminar Hall - 01

Hostel Facilities:

Hostel	No of Hostels	Total No. Rooms	Occupancy
Hostel of Boys	09	711	1700
Hostel for Girls	07	300	930

4.2 Computerization of administration and library

- Implemented KOHA Integrated Library System used world-wide, with a SQL database (MYSQL preferred in MARC and accessible via Z39.50 or SRU. The user interface is very configurable and adaptable having the following features like union catalog facility, customizable search, circulation and borrower management, acquisitions system, ability to cope with any number of branches, patrons, patron categories, item categories, items, currencies and other data Serials system for magazine or newspapers, Reporting and the like facilities.

- The "ERP software package" developed by the University covers the entire spectrum of the University activity right from the time the student sends in the application for joining the course, till the final degree certificate is issued. Examination Module in the ERP package handles all the activities involved in conduct and evaluation of the examinations.

- Internet band width speed 10 Mbps.

- Library has an access to PROQUEST an online e-resource journal.

- Online Management journal 'Emerald' which has a portfolio of nearly 300 journals, more than 2,500 books and over 1,500 teaching cases.

- Faculty and students of all the Centers / Schools are registered with NDL.

- The University has joined the NAD network through CSDL.

- All office processes have been computerized and the University is moving towards paperless administration.

3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	70372	3,08,27,490	1396	14,54,279	71768	3,02,53,158
Reference Books	23121	1,93,71,990	580	15,78,599	20855	1,53,56,566
e-Books	56239	_	148266	_	204505	_
Journals	199	17,55,585	500	17,57,247	699	35,12,832
e-Journals	89378	60,00,000	310	80,73,198	89688	60,00,000
Digital Database	5	-	-	294,500	5	-
CD & Video	5455	Book & Magazine CDs	108	1,423	4420	1,423
Others (specify)	SC/ST Book Bank - 1610 Xerox and Printing					
Ph.D. Thesis Uploaded to Inflibnet-Shodhganga : 222						
Plagiarism Report Using Turnitin Software from July, 2017 to May, 2018 (Staff & Students) :950						

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	6500	20	2 GB	265	2175	07	27	
Added	1000	05	1 GB	20	100	02	02	
Total	7500	25	3 GB	285	2275	09	29	

4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)

Training given to the faculty members for the usage of software "Myshiksha ERP "develop by Jain University which cover all the academic activities pertaining to the student.

Technology Enhanced Learning (TEL): Technology Enhanced Learning (TEL) is a type of learning that is powered by digital technology. The objective is to create innovative learning methodology. TEL is a unique concept. It uses the basic concepts of TEL to create a web portal that offers students a host of learning activities. The ideas are to enrich the study content by bringing together the conventional and new learning approaches to create an innovative learning model.

The Center for Virtual Learning and Innovation has put in place the Technology enhanced learning (TEL) learning methodology using digital technology with a goal to provide technical innovations & support learning activities.

Components of TEL:

Besides digital lectures, the TEL has many other components including digitized study materials where the study materials are available like the pages in an e-book, other application – oriented components like work books, assignments and model question papers which help the students to evaluate their knowledge about the topic before or after study.

4.6 Amount spent on maintenance in lakhs: (Data: 2017-18)

   i) ICT

91 Lakhs

   ii) Campus Infrastructure and facilities

854.93 Lakhs

   iii) Equipments

195.87 Lakhs

   iv) Others

1764.26 Lakhs

        Total:

2906.06 Lakhs

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Workshop on handling emotional stress, professional stress and peer pressure and other issues faced by adolescents and youngsters were conducted by Vishwas, the counselling Centre of the University

- Student Grievance Redressal Cell takes care of the various student grievances in consultation with Dean (Student Welfare) across Schools. Some of the grievances were teaching learning issues, problems among student peers, infrastructural problems and the like which have been addressed & resolved.

- Placement and Guidance Cell takes care of the placements for all the students of the University seeking placements. The students were oriented to career-path through pre-placement talks, pathway to career programmes, training in soft skills and life skills, specialized coaching in facing interviews, group discussions and other competitive job skills

- Women's Cell conducted programmes like Programme on self-defence for girl students, Cancer awareness and many more.

- Internet facility with Wi-Fi connectivity is made available throughout the campus to support the students in enhancing their knowledge avail digital access.

- Orientation day for the fresher's, where in all the coordinators & conveners of different committees briefed the students about curricular & extracurricular activities

- Result analysis and Remedial classes held for slow learners.

- Industry-Institute Interface cell organized regularly guest lectures, seminars, workshops, conferences, industry visits, in-plant training, internships and campus connect programmes.

- Library orientation conducted for freshers where in awareness is given about the various facilities like cataloging to enrich their self-learning ability.

- Cultural forum conducted various activities under the banner Corporate Expo, Science Expo,Tarusamskriti, Anveshana, Samanvaya, Precipice, Cranium, Threshold and the like to widen their exposure.

- National Service Scheme [NSS], Rotaract club, & other clubs encourage the students to take part in community development activities.

- The requirements of the international students are catered to through the International Students and Scholars Advisory Centre (ISSAC), a separate Cell of the University with an International Student Officer who is the overall in-charge of the activities of the Cell. ISSAC offers a wide variety of unique social, academic and cultural activities throughout the year, to aid international students and scholars to settle down and make the necessary adjustments to live and study in a new environment. They also provide advising services with respect to immigration and visa matters, work permission, orientation, cultural adjustment and personal concerns.

- Facilitated Foreign Training for select sports achievers.

5.2 Efforts made by the institution for tracking the progression

- Career grooming and mentoring sessions are conducted by all departments.

- Tracking the progress of students through Test, Assignments, Preparatory exams, counseling.

- Various committees to support the students such as Student welfare, Grievances and Redressal, Women's welfare, internal complaints committee.

- Periodic Parent - Teachers meeting to convey the progress of wards and to elicit their views.

- Department meetings are being conducted twice in a month to monitor the progress of the action plan.

- Academic audit conducted to evaluate the progress of the department.

- Internal Audit of the schools conducted every year to review the attainment of the quality objectives.

5.3 (a) Total Number of students

UG	PG	Ph. D.	M.Phil
9736	2893	109	57

(b) No. of students outside the state

6045

(c) No. of international students $\boxed{618}$

For 3yrs of UG (2017-2015) PG (2 yrs 2017-16)

International	M	F	TOTAL
UG	373	154	527
PG	63	28	91

UG & PG	M	F	TOTAL
UG	6461	3275	9736
PG	1594	1299	2893
Total	**8055**	**4574**	

Men

No	%
8055	63

Women

No	%
4574	37

				Last Year(2016-17)					**2017-18**							
	G	SC	ST	OBC	PH	Others	NRI/ FRI	Total	G	SC	ST	OBC	PH	Others	NRI	Total
UG	2583	62	31	236	1	165	216	3294	7142	184	90	1108	1	683	528	9736
PG	1053	55	24	140	0	40	52	1364	2125	106	56	441	1	73	91	2893

Demand ratio   UG: 1:20 PG: 1:10   **Dropout %: 2%**

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

- Training programmes were offered for the postgraduate students aspiring for NET/SLET and other competitive examinations.
- Experts were invited to improve students' performance and develop competency to face competitive exams.
- Career training and skill development programmes for Ph.D. students
- Skill development programmes for B.Tech / Ph.D. students
- Communication skills programme for all students

- Foreign language training (through Vidushi Academy)
- For the MBA/IIMS:- Learning centers like TIME, IMS, Career launcher, Career forum, Career plan are invited to the campus and allowed to conduct counselling sessions and scholarship tests directly to students. They are also coached for CAT, GRE & TOEFL.
- The students are further supported to take up qualifying examinations by providing learning resources like journals, books, periodicals, encyclopaedias and the internet.

No. of students beneficiaries

70%

5.5 No. of students qualified in these examinations

NET	02	SET/SLET	06	GATE	114	CAT	02
IAS/IPS etc	01	State PSC	-	UPSC	-	Others	04

5.6 Details of student counselling and career guidance

The counselling activities of all the centers of Jain (Deemed to be University) were integrated under counselling Center- Vishwas in the year 2009. The counselling center tries to mitigate the problems faced by the students in the tough competitive world. It is aimed at promoting mental health in campus community. It tries to solve issues related to learning problems and disabilities, substance abuse/chemical dependency, relationship problems, personal habits, family related issues, anger management, problems related to identity and self-esteem, domestic violence and cultural/ethnic diversity. Counselling Center helps students to cope with issues connected to normative stress, adjustment difficulties, and life transitions. Each campus has a trained counsellor. The counsellor of the campus suggests ways to cope or overcome the problems with relevant counselling and guidance. Confidentiality is maintained for the services and information. It is an altruistic effort on our part and the services are not charged.

Sessions held as part of Career Guidance:

Activity	No. of Sessions AY 2017 – 18
CEO of the Month	1
Words of Wisdom	57
Share Your Knowledge	2
Inspiring Alumni	11
Learn2Apply - Workshops	3
Industry Visits	8
Panel Discussions	1
Conferences	0
Connect To Careers	63
Total	**146**

Sessions held as part of student counselling:

1	Total no. of sessions with the counselor	337
2	No. of students referred by teachers	33
3	No. of students visited by self	52
4	No. of students referred by friends (Peer References)	10
5	No. of students recognized by counsellor	3
6	No. of Staff met	9
7	No. of students who went through repeated sessions and are on regular monitoring by counsellor/ teacher	24
8	Students referred by Parents	7
9	No. of parents met	19
10	No. of parents spoken over the phone	12
11	No. students counselled over the Phone post college hours or telephonic session	16
12	No. Students under medical help and under counsellor's observation	04
13	No. of Ex-students counselled over the phone, through internet etc	03

No. of students benefitted   971

5.7 Details of campus placement (Data: 2017-18)

On campus			Off Campus
Number of Organizations Visited	**Number of Students Participated**	**Number of Students Placed**	**Number of Students Placed**
277	**1699**	**1189**	**510**

5.8 Details of gender sensitization programmes

Details of Gender sensitization programmes

- Comprehensive life skills, sexuality and personal safety program for college students: 11-08-2017   to 13-08-2017

- Pavitraana Self-Defense programme for women across campuses: 01-08-2017 to 30-08-2017.

- Be bold for change: 08-03-2017 to10-03-2017

- Know your body: 08-03-2017 to 10-03-2017

- Life skills for Holistic perspective of today's women:16-07-2017 to17-07-2017

- Women rights and empowerment: 21-07-2017 to 23-07-2017.

i. **"Gender sensitization" in collaboration with Enfold Proactive Health Trust Bangalore, organized by enactus.**

It empowers students to make informed choices by providing information and training in various aspects of health. Young adults are educated in sexual and reproductive health, their rights and responsibilities in this area, and how to be assertive. The course helps students develop self -esteem which lets them realize their goals, build nurturing relationships and lead creative, fulfilling lives. This brings us closer to having a compassionate society aware of the dangers of HIV, sexual abuse and irresponsible sexual behaviour.

ii. Programs organized by Women's' cell VASUDHA:
- Celebration of International women's day every year on March 8th.
- Talk on "Health, Wellness and Nutrition" by Smt. Rekha Deepak
- Practical session (workshop) on Self Defense annually by sensei Mathews P. Raj.
- Talk On the topic: Developmental perspectives on gender by Dr. Lavanya Sheshasayee
- Health camp

- A guest talk for girl students of the campus was organized .This talk was organized in association with Women's' Wellbeing Initiative.
  - Speaker: Dr. Srinivas, Gynaecologist, Professor, Bangalore Medical College. The talk was on health and wellbeing issues related to women.
- Peace march, to Town hall, with a participation of over two hundred students, both boys and girls and faculty members. This was an attempt to create awareness and a social awakening towards the cause of "Save the girl Child".
- Student Members of Women cell participated with other students in a rally in association with ABVP in support of Laws for women's' safety and to protest against Delhi rape case.
- Faculty and students attended a workshop on Women Empowerment
- Talk on "Image Building" for all final year Degree students. Talk was given by members of Image Consulting Business Institute
- Competitions like poster making, collage etc. on the eve of independence day every year on topics like Role of women in freedom movement, Role of women in modern India and Status of Women in Modern India
- Volunteers of Women cell attended a state wide convention at town hall. This convention was for the selection of volunteers for National level delegation. The convention was on Nirbhaya's case and Womens'rights.
- Participation of Women cell volunteers in a talk by Dr. Kiran Bedi on Womens rights

Womens'day celebration
- Quiz competition for faculty members on "Women achievers" highlighting the role of women in India and Internationally in various fields like Sports, Science, Entertainment, Politics, Literature, Art and Culture etc.
- Felicitation to 2 Women housekeeping staff members for their hard work and dedicated service in the campus.

Women's Day Celebration

Sexual harassment redressal cell

- A workshop on **"AWARENESS IS POWER: Students united against sexual harassment".** More than 60 students participated in the workshop by Dr.Shaibya Saldhana and Dr.Sangeeta from Enfold Proactive Health Trust. The Workshop was very well received by the students.

- 9 Sessions on **"Comprehensive Life Skills, Sexuality and Personal Safety Program for College Students"** by Ms. Neha, facilitator from Enfold Proactive Health Trust. This is the first time in JAIN University that intensive sessions will be conducted for students on Sexuality and Personal Safety. Given the gender issues, safety issues and growing sexual abuses in our society, this is an attempt by our campus to create awareness about sexuality and life skills so that they can equip themselves and create a safe environment for themselves and for others in the society. The program was very well received by the students.

5.9 Students Activities

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

State/ University level | 400 | National level | 230 | International level | 104 |

No. of students participated in cultural events

State/ University level | 434 | National level | 156 | International level | 08 |

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

Sports: State/ University level | 05 | National level | 09 | International level | 14 |

Cultural: State/ University level | 06 | National level | 06 | International level | 03 |

5.10 Scholarships and Financial Support

	Number of students	Amount (Rs)
Financial support from institution	325	2,05,17,000
Financial support from government	34	2,10,000
Financial support from other sources	27	2,00,000
Number of students who received International/ National recognitions	05	2,33,000

5.11 Student organised / initiatives

Fairs   : State/ University level | 19 | National level | 09 | International level | 4 |

Exhibition: State/ University level | 03 | National level | 02 | International level | |

5.12 No. of social initiatives undertaken by the students | 54 |

5.13 Major grievances of students (if any) redressed:

Total = 57 (2017-18), 50 resolved at Dean's office, 07-Refered to counselling Unit and under remission

1. Teaching – Learning issues –Resolved.
2. Infrastructure issues – Resolved
3. Peer Difference – Resolved
4. Emotional issues –Referred to Counselling unit 'VISHWAS' Counselling Session in Progress. Some sessions are completed and reports are submitted

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION:

"Nation building through excellence in Quality Education, Research and Entrepreneurial Development".

MISSION:

- To provide quality education, creating human assets and intellectual capital.
- To enhance research and development in different disciplines.
- To develop a new generation of entrepreneurs who will be instrumental in fuelling economic growth.
- To create able leaders, managers and technocrats.
- To foster an ethical environment in which both the spirit and skill will thrive based on human values.

6.2 Does the Institution has a management Information System

The University has an efficient MIS which works in close Co-ordination with IQAC. Each school of the University collates the information about the achievements of the faculty and students of its campus and sends it to the office of Registrar by 5th of every month. After collation the information is sent to the IQAC where the information is compiled under different heads. MIS consists of 39 questions which covers the following parameters:

- Faculty Members newly joined
- Faculty Members resigned / left
- Honours / Awards / Recognitions
- Faculty Members invited for VIVA
- Faculty Development Programme (FDP)
- National / International Conference – Workshops
- Paper Presented at National / International Conference / Workshops
- Research Papers published
- FM's deputed / attended National / International Conference / Workshops
- Guest Lectures delivered by Faculty Members

- ➤ Guest Lecture Organized
- ➤ Syllabus completion
- ➤ Students Attendance
- ➤ Students participation in Conference / Workshops
- ➤ Study Tour / Field Tour
- ➤ Student Achievements / Extension Activities
- ➤ Library activities
- ➤ Placements
- ➤ Project Proposals

This information is collated by the IQAC and documented under different heads.

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

6.3.1 Curriculum Development

- A conscious effort is made to introduce programmes in innovative / emerging areas. The University has **57** post graduate programmes, including **04** PG Diploma programmes out of which **24** are in niche emerging and innovative areas. Similarly, out of **58** UG programmes, **32** are in innovative and emerging areas.

- Choice Based Credit System [CBCS] has been introduced across all faculties as per UGC guidelines, which enables the students to have broad based education. The curriculum has been reviewed and improved by inculcating value added courses and flexibility in elective courses and industry related courses developed by the University -Industry Cell.

- 68 value Added Certificate Courses are offered in industry verticals. The tie-up with International professional bodies like ACCA, CIMA, AIA, CSFS etc., provides global exposure and certification.

- Utmost importance is given in programme design and revision of curriculum to cater to learner needs, employability and entrepreneurship. Periodic suggestions from the stake holders are taken into consideration while revising the curriculum.

- Spanish, German, French and soft skills training are offered to students across different disciplines.

- Curriculum is revised once in 3 years for UG, 2 years for PG and 4 years for B.Tech programmes and fine-tuned as and when required.

- A Compulsory course on Mind Management and Human Values is introduced.

6.3.2 Teaching and Learning

The principal strategies of Teaching – Learning adopted by the different Schools of the University are as follows:

Use of Multiple Pedagogical tools including

- Case study analysis

- Simulations

- Role play

- Innovative student projects

- Range of other relevant and topic specific interactive techniques.

- Effective use of Technology in the classroom in order to cater to different learning styles: visual, auditory and kinaesthetic

- Brainstorming

- "Any-time, Any-where Learning" through Learning Management System (LMS) and an E-content repository. Jain University has created an exclusive MOOCs platform JUx. The University has signed agreements with leading Organizations such as Simply Learn and Future Sharp Skills Ltd., to access proprietary content.

- Learner Centric Approach

- Experiential learning through internship, field visits, projects and hands- on training.

- Bloom's Taxonomy approach

- Peer assisted, cooperative, blended and participative learning

- Talks by CEOs

- Student workshops

- Contribution to University / Department magazines

- Encouraging students to write blogs on topical subjects.

- Teaching methodologies are complemented with use of ICT and digital technology.

- Technology Enhanced Learning (TEL) is a unique type of learning that is powered by digital technology

- Innovative learning methodology delivered through LMS (Learning Management System).. Helps enrich the study content by bringing new learning approaches to create an innovative learning model.

- Multimedia Pravachan [MMP] is a unique method of imparting knowledge to students. Students will be seated in the lecture hall, which is equipped with the projection system, speakers and the networked console.

- Students motivated to take-up Swayam courses. Credits earned are reflected in the marks card.

6.3.3 Examination and Evaluation

- The University has introduced large scale reforms in the examination and evaluation system. The students undergo a continuous evaluation process.

- The "ERP software package" developed by the University covers the entire spectrum of the University activities right from the time the student sends in the application for joining the course, till the final degree certificate is issued. Examination Module in the ERP package handles all the activities involved in conduct and evaluation of the examinations.

- The Controller of Examination ensures timely and prompt declaration of results. Photocopies of answer scripts are made available to students if they apply for it. The results are announced within 10 days of the completion of examination for the undergraduate programmes and 20 days for the postgraduate programmes. The University publishes all the results through Jain University's website, www.jainuniversity.ac.in. The respective campuses are also notified of the same

- Post-facto audit is conducted by a Committee headed by the Director Academics to establish the correlation between IA and UE. The Committee meets each Department individually. Deviations are noted and feedback given to Heads of Departments and Faculty members for remedial action.

6.3.4 Research and Development

- The University has inculcated a culture of research and is supporting high quality research at all levels. All the Post Graduate Departments and most of the Undergraduate Departments are actively involved in research activities. Cutting edge and frontier research is being carried out catering to regional and national requirements.

- The University has a Research Development Cell (RDC) chaired by the Pro- Vice-Chancellor who coordinates its research activities. The RDC coordinates all major and minor research proposals, organizing of international and national conferences/seminars/

workshops and deputation of faculty for conferences. The University is especially promoting research in the areas in which the faculty members working under different departments and research centres specialize.

- Dedicated research centres in existing and emerging areas have been established to promote cutting-edge research.

- Faculty of the University engage in research with impact through research projects, presentation of research findings in prestigious conferences and seminars both internationally and nationally and publishing papers in refereed academic and research journals of repute.

- 7 Dedicated Research Centres established in the priority areas

- Linkages with leading research organisations

- Research Conclave and Research Retreat held every year.

- Seed Money to Faculty to initiate research work

- Mentoring young researchers

- Inter-disciplinary research, sabbatical, participation in National / International Conferences encouraged

- Management has funded to the tune of Rs.35 Crores towards the development of research.

- International agencies like UL-USA, TUV- Rheinland- Germany, IIAT St.Petersburg - Russia, have collaborated in setting up of research facilities.

- University Instrumentation Centre has facilities including equipment like FESEM, Powder XRD, Atomic Absorption Spectrometer, ATR-IR Spectrometer, Gas Chromotograph.

- Technology Business Incubator funded by DST and Supported by ALSTOM.

- Food Technology Lab funded by MOFPI

- State -of -the-art Fire safety testing lab in collaboration with UL-USA.

- Static Simulator for CESSNA 172 Aircraft.

- Wind-Tunnel facility

6.3.5 Library, ICT and physical infrastructure / instrumentation

Jain University has created specialized infrastructure for imparting quality education.

- Libraries at all campuses are well-stacked with reference books and books for borrowing. They are fully automated with latest software online databases like IEEE & ASME, EBSCO EMERALD & AEAA. The campus libraries which are spread over a wide area are networked through KOHA software. There are adequate number of lecture halls, staff rooms, laboratories, seminar halls, residential facilities and superlative sports infrastructure.

- State of the art laboratories equipped for experiments and practical exposure required for research. And teachings are available. Besides subject specific labs, the University also has Computer laboratories with 24 / 7 Internet connectivity for use of faculty, researchers and other learners.

- The Center for Virtual learning and Innovation takes care of Technology Enabled Learning (TEL). There are smart classrooms for virtual learning.

- Broadband & Wi-Fi in all campuses under NMICT.

- Digital payment gateway through SBI.

- Moving towards 100% paperless administration

6.3.6 Human Resource Management

Human Resource Department of JU is involved in continuous improvement in terms of securing quality workforce. It participates in the planning of employee training and development, organization development and career development.

a) Planning of activities for continuous improvement and performance

- Australian quality improvement programme:

  Jain (Deemed to be) University collaborated with Center for teaching – learning, University of Newcastle Australia and conducted a certificate program in University teaching for Directors and senior faculty members. About 20 faculty members participated in the workshop organized by the Human Resource Department. The event was conducted to address the needs of the educators who not only educated or inspire but transform individuals into leaders or visionaries. It was aimed at providing both new and

experienced University instructors a basis for establishment or expansion for their repertoire of teaching strategies and skills.

Besides this the Human Resource Department of the University conducts:

- Orientation to the new recruits.

- Ice breaking with senior faculty

- Research & info system

- Career development

- Organizational job design

- Human resource planning

- Performance management

- Selection & staffing

- Compensation & benefits

- Employee assistance

6.3.7 Faculty and Staff recruitment

- Before the commencement of the academic year, departments of the University review the manpower requirement for each so as to ensure optimum utilization of faculty and staff.

- Based on the vacancy HR of the University puts up the job postings in the website and leading newspapers.

- Recruitment committee consists of Registrar, senior faculty and External subject expertise for further action.

6.3.8 Industry Interaction / Collaboration

- University has a University-Industry Interface cell which facilitates design of courses in collaboration with Industries and Professional Bodies, placements, facilitate Research, Consulting Projects and various Faculty Development Programs for the University. The industry peers are consulted before updating the curriculum. The cell .interacts with Industry for Skill Development, Career Enhancement, Entrepreneurship & Entrepreneurial Development for the students.

- The University/Industry interactions have resulted in creation of National Research Facilities.

  Some of the noteworthy facilities are:-

- Coating facility at Centre of Emerging Technologies
- Fire and Combustion Research Centre (FCRC) has collaborated with Underwriters laboratories
- The University has also initiated the process to create Energy Park in consultation with TUV, Rhineland and an instrumentation centre in consultation with DST

   The University has MoUs with industries for research and consultancy. Have about 70 industry associations and more than 20 certifications.

6.3.9 Admission of Students

For undergraduate, postgraduate, professional courses and research programmes, the publicity for admission is through the University's website, prospectus, and advertisements in print and online media and counselling by the teachers and senior students. The University website www.jainuniversity.ac.in has detailed information about the admission procedure and the various courses offered, the eligibility criteria and career prospects of each course. The University ensures transparency in its admission process. The University conducts a common entrance test (JET) for admissions to its courses. The selection procedure is purely based on merit. The University also follows the policy prescribed by the Government for reservation. At the time of admissions, the University makes a conscious effort to provide opportunities to budding sportspersons.

6.4 Welfare schemes for

Teaching and Non-Teaching	• Employees Provident Fund for all employees • Rs. 50,000 plus Rs. 100,000 accidental insurance (insurers: Reliance and Bharati) • Free school education for children of staff members of the University • Subsidized education at college level for children of staff members • Free transportation for staff members of Jain Global campus • Group medical insurance for all faculty members up to a sum of 5 lakhs and non-teaching 2 lakhs. • Encouraging faculty to pursue higher education M.Phil./Ph.D. – incentives in the form of 1 increment for M.Phil. and • 2 increments for Ph.D. • 50% fee concession for faculty pursing M.Phil. / Ph.D. • Grant of registration fee for conferences/ workshops • Subsidized lunch for faculty and staff at the Global Campus • Housing facility for select faculty and staff in global campus (with free LPG/ phone/ internet connection. • Free internet facility/ library • Recreation for staff members
Students	• To provide assistance to students in securing education loans and the like. • Scholarship schemes from the University facilitating to obtain from Govt. and external agencies. • Fee concession merit based and need based. • Medical facilities first aid on campus and facilities at hospital with a radius of 3 Kms. • Hostel facilities with hygiene food. • Select coaching for exceptional sports persons • Sponsorship to co-curricular and extra-curricular of other institution. • Transport facilities for student computing to Global Campus. • Coaching for competitive exams.

6.5 Total corpus fund generated   Rs 6, 71, 61,879

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	No	-	Yes	Committee nominated by the Hon. Vice Chancellor
Administrative	No	-	Yes	Committee nominated by the Hon. Vice Chancellor

6.8 Does the University/ Autonomous College declare 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 examination system also consists of continuous evaluation through multi-mode assessment which includes assignments, seminars and mid-term examinations.

- The university has brought about a reform in the conduct of practical examinations so as to do away with the conventional practices. To give greater emphasis to the performance evaluation of each experiment conducted by the student, the university introduced Continuous Assessment in all Lab courses across the university in 2013. A mark of final lab test is also taken into consideration. This reform has seen that the students have taken the practicals more seriously.

- The software "ERP package" developed by the University covers the entire spectrum of the university activity right from the time the student sends in the application for joining the course till the final degree certificate is issued. Examination Module in the ERP package handles all the activities involved in conducting an examination.

- The latest reform is the use of an exhaustive question bank for setting up question papers.

- The results are announced within 10 days of the completion of examination for the undergraduate programmes and 20 days for the postgraduate programmes. The University publishes all the results through Jain University website **results.jainuniversity.ac.in.** The respective campuses are also notified the same.

- Double evaluation method is followed in all PG courses. The average of the two evaluations will be the final marks, in all cases where the disparity between the two evaluations is less than 15 per cent.

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

Not Applicable

6.11 Activities and support from the Alumni Association

The Alumni Association is in the process of getting registered.

The University has an Alumni Association. Each of the schools conducts the alumni meet once a year. During the alumni meeting interactions take place between the faculty and alumni about various aspects of functioning and performance of the University and the alumni give valuable suggestions and inputs. These inputs are taken into consideration and incorporated for further growth of the University. The school of Management has released a directory of the telephone numbers, names and e-mails ids of the alumni. The alumni who have incubated companies through the University's incubation center meet periodically and share their experience with the mentors to further strengthen the entrepreneurship center. The alumni are involved in the following:

- Facilitating the training and placement of students
- Entrepreneurship development and incubation of companies
- Arranging get- together and networking activities
- Providing constructive feedback on curriculum on the basis of their professional experience.

The Alumni of Jain University have been playing an active role in promoting sports in India through the support they extend to the students of the University. Seven Olympians, five-hundred international players, and four-thousand national players have graduated from Jain University till date.

Meeting / Activities organized by the Alumni Association

- School of Engineering and Technology on 28-04-2018
- School of Management (Block-I) on 21-04-2018
- School of Science on17-02-2018
- School of Commerce on 23-06-2018
- School of Management (Block-II) on 07-04-2018

6.12 Activities and support from the Parent – Teacher Association

Regular meetings are held once a semester by respective schools. The meeting is a platform to offer suggestions for further improvement and development of the students. The parents get an opportunity to interact with the faculty members and heads of the departments to know about their ward's performance and study.

6.13 Development programmes for support staff

- Internal Skill based Training programs like Email etiquettes etc.
- IT related trainings are regularly provided.

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

1. Energy Conservations
2. Water harvesting
3. Urban waste management
4. Plantation of Sapling
5. Check Dam constructions
6. Green audit certification by Garani Associates

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.

- **Technology Enhanced Learning (TEL):** Active Center for Virtual Learning and Innovation through which Technology Enhanced Learning (TEL) is established. This centre caters to the needs of students with the help of web portal where they can access notes, digital lectures, question banks and assignments at the click of a button. Technology Enhanced Learning (TEL) provides vital resources to integrate educational and information technologies into the academic environment. It enhances the mobility and flexibility of the learning process and enables greater responsiveness to the needs of a new generation of learners.

- **ERP software developed for the entire spectrum of activities:** The software "ERP package" developed by Jain University covers the entire spectrum of the University activities right from the time the student sends in his application for joining the course till the final degree certificate is issued. The package covers the all the academic activities including the placement and the administrative activities. The Students mobile app 'JGI Student' and faculty's mobile app 'JGI Guru' under 'Myshiksha' ERP platform was launched where in student related data is uploaded on the 1st working day of every week. All the schools update on daily basis student related activities like class attendance, internal assignments and events participation's.

- **Development of Fire Retardant coating material in Fire and Combustion Research Centre (FCRC):** FCRC has capabilities to simulate fire phenomena, carry out scaling studies of fires and fundamental studies to develop a knowledge base on fire safety. Research on foam based extinguishment of pool fires is in progress. Different foam concentrates like AFFF, AR-AFFF, FP and synthetic foams are used to fight class B oil fires. Experiments indicate nozzle configuration – orifice diameter, barrel length, barrel diameter and splitter position affect quality. Work is underway to establish parameters that decisively predict whether given foam will extinguish test fire. Research has indicated height of foam column affects drain time linearly standards.

- **Development of Photoactive Float for disinfection of water:** Centre for Nano and Material Sciences (CNMS) which is a research center uses the unique opportunities offered by nanomaterials to address the critical issues of energy, water and health. A photoactive float for disinfection of water and elimination of emerging contaminants (pharmaceuticals, personal care products and endocrine disruptive chemicals).

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

Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year		
Item /Title	**Date & duration**	**Number of participants/beneficiaries**
Faculty Development Programme	November 2017/3 days	490 Faculty members
Academic and Administrative Audit	December 2017/1 week	24 , All academic departments
Internal audit of Schools	September 2017 (5 days)	05,All schools
Organizing Alumni meet every year	February, March & April 2018	2,700 students
Interdepartmental Presentations	December 2017	Faculty Members
ISO Certification 9001-2015	In progress for ISO 2015	University
Feedback from Stakeholders	Varied intervals	Students, faculty, industry peer, employers.
Performance Based Appraisal System from faculty members	July – December 2017 January –June 2018	All faculty members
Participation in Ranking surveys (Week, India today/K-Surf)	February – April 2018	University
Placement Activities for the students	August 2017- March 2018	1600 students

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

BEST PRACTICE – 1

RADIO ACTIVE CR 90.4 MHz (Community Radio station of the University)

Title of the Practice: Social outreach through community engagement

<u>**Objectives:**</u>
- Engaging the community with sustained campaign
- Aiming at enriching the lives of people
- Involving the staff and students of the university to become a part of solutions to issues faced by the society

<u>**Activities:**</u>
- Weathering the Change- planting of saplings and distribution of CFL in villages
- Aashithru- The Disability Show-challenged individuals-issues faced and provisions available for them / Right to Education- Awareness programs
- Making the City Cleaner- sensitizing public and intensifying the crusade against waste management.
- Training Programme for Scrap Dealers /Giving Voice to right based issues of Sexual Minorities
- Animal Rights- Stray Pals- awareness of adoption
- Solid Waste Management
- Project Axshsya – Community gathering to create awareness on TB with domestic workers

<u>**Actual Practice:**</u>

The community radio station airs programmes on all the seven days of the week for 8 hrs commencing from 6.00 AM. The programmes focus on Indian culture, interviews, Aashithru– the disability show, ArogyaVeBhagya, water and sanitation, chigurida baduku(focus on HIV positive people). Beyond broadcast the community radio has networks with government departments, NGO's and institutions. Faculty members and students are a part of change collectively. Breaking the silence and shame free a campaign on menstruation is a noted programme. They also conduct programmes like ensuring RTI though radio, Pension Parishad towards universalization of pension, public distribution system, information about fair price

shops through Aahara Adaalat. Certain programmes under radio production are tailor made involving our students of Journalism & Mass Communication. They also conduct a scrap dealer certification programme. Over 100 scrap dealers and waste pickers have been trained. Module based training include gender & sexuality sensitization, HIV awareness workshop, RTE awareness, where in the faculty members and students align with neighbourhood for an impactful and lasting relationship.

Contact person: Ms. Pinky Chandan,   Phone: **9845888686**

BEST PRACTICE – 2
Title of the Practice: Entrepreneurial Development
Incubation of Companies by CRCE (Chenraj Roychand Centre for Entrepreneurship)

Objectives:
- To ensure economic betterment of communities through entrepreneurship.
- To fund Young Aspiring Entrepreneurs to convert their ideas into an enterprise.
- To institutionalize the spirit of entrepreneurship

Divisions
- Incubation Centre
- The Holding Company: JGI Ventures (P) Ltd.
- Incubated Companies

Functions:
- Physical and Technology Support
- Start up Support from Incubation Centre
- Advisory Support from Incubation Centre

Actual Practice:

Chenraj Roychand Center for Entrepreneurship (CRCE) was established with a view to inculcating entrepreneurship skills in students and for incubation of business ventures, in line with the Jain University's mission of nurturing job providers rather than job seekers. Students are encouraged to ideate, formulate business plans and to operationalize start-ups. Students are provided rigorous training in entrepreneurship through a "21 step" process, supplemented by opportunities for investor pitches, participation in boot camps, mentoring and accelerator

programs. Mentoring support is provided by domain experts. As many as 42 ventures have been incubated by CRCE.

In addition Jain University has promoted a Technology Business Incubator in the name of Jain University Incubation Centre (incorporated as a section. 8 companies, as mandated by DST) with financial support from the Department of Science & Technology, Govt. of India. Jain University Incubation Centre, has incubated 10 technology business ventures already. Grants aggregating to approximately Rs.5 crores have been approved by DST towards seed support and accelerator programs aimed at Fintech, IOT, Agri-Tech and other technology intensive start-ups.

Contact person: Dr. N.V.H.Krishnan,   Ph: **9845218535**

7.4 Contribution to environmental awareness / protection:

- Emphasis on development and preservation of eco-friendly environment
- Green audit conducted by Garani Associates
- Rain water harvesting at all campuses
- Solar energy used for heating 2 lakh litres water daily in SET campus and hostels
- Palletisation of Kitchen waste for biomass stoves as alternate to LPG
- A paper on environmental studies introduced in PG programmes
- Nearly 1000 kl of STP installed
- Replacing the incandescent bulbs by energy efficient LEDs for lighting in the campus
- All the campuses have provision for rain water harvesting.
- Solid Waste Management is affected through collection, segregation, recycle and disposal in a safe manner.
- Awareness programme on urban waste management, collection of food waste, E- waste, different kinds of waste and disposal of sanitary waste through community radio station (Radio Active) of Jain University
- A documentary has been produced on waste management
- Eco-friendly campus is maintained through an extensive green cover.

7.5 Whether environmental audit was conducted?   Yes | √ | No | |

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

STRENGTHS

- Good infrastructure in all campuses for teaching and research and for co and extra-curricular activities.
- A committed and diverse faculty provides a healthy academic environment.
- Business Incubation Centre fosters entrepreneurship
- Harmonious relationship among the various stakeholders of the Institution
- Customized and diverse academic programmes to cater to global needs.
- Self-financing Deemed University committed to higher learning, research, academic excellence and entrepreneurial development; presence of 348 International students
- University has dedicated vibrant Research Centres and Schools offering wide spectrum of courses and giving a good exposure to co-curricular and extra-curricular activities.
- The infrastructure, especially for sports and games are excellent and the institution has produced a host of National and International stars.

WEAKNESS

- Multiple locations of the different schools render management and administration of the same difficult at times.
- Non-availability of required talent pool with Ph.D. in different faculties poses difficulties in the University's efforts to recruit quality teaching personnel.
- Being a private Unaided University, difficulties are faced sometimes in receiving funds from Government agencies.

OPPORTUNITIES

- To supplement physical contact in classroom with online coaching using an IT enabled Learning Management System (LMS).
- To commercialize innovative ideas which have reached proof of concept stage or are patented through incubation of Business ventures by Jain University Incubation centre.
- To create sponsored and endowed chairs and enhance industry – University interface.
- To focus on design in all disciplines of engineering and aim for significant outcomes / impact in the faculty of engineering.

- To extend introduction of outcome based Education / choice based system to postgraduate programmes of the University.

THREAT

- Constant changes in curriculum to suit the contemporary needs of industry / employment at times poses difficulties in managing student progression.
- Retention of good faculty in view of the competitive opportunities prevailing in the wider professional environment.
- Bengaluru being an info tech (IT) hub, the focus often in placement and recruitments is in that sector and ensuring a more diverse pool of employment opportunities covering other core engineering sectors often a challenge.
- Societal challenges caused by nuclear families single parent families, both parents in a job etc. impact student motivation and performance.

8. Plans of institution for next year

The following is a brief outline of the future plan envisioned in the next academic year in the next academic year:

- To introduce additional Faculties in the domains of Education and Architecture.
- In tandem with the rise in demand for the programmes / course offered by the University, physical facilities in Bangalore city shall be augmented with acquisition of new building, albeit with permission from the UGC
- Having established a niche for student – centric quality education in Bangalore, the University propose to start off – campus centres in Kerala and Pune.
- The University plans to setup off-shore campuses in Australia, Africa and other parts of the world with a view Education Endeavours in the field of science and technology,
- To upgrade the existing the Research centres to the level of centres of Excellence.
- To conduct accelerator programmes for young Scientists / Technologists enabling them to commercialize their start – up ideas.
- To actively promote "Start – up India" initiatives through the Jain University Technology Business Incubator (TBI) with support from DST; to vigorously take up indigenization of products / technology; to step up R & D initiatives and technology transfer as part of *"Make in India"* Campaign.

Name _____   *Name* _____

_____   _____

Signature of the Coordinator, IQAC   *Signature of the Chairperson, IQAC*

_____***_____

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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