CHAPTER 2: ACTION TAKEN REPORT ON RECOMMENDATIONS OF ANNUAL QUALITY ASSURANCE REPORT OF JULY 2019

The AQAR (Annual Quality Assurance Report) is prepared and sent to all Academic Heads of Departments of the Institute. The recommendations and possible action points are discussed in IAMC (Institute Academic Management Committee) meeting held on November 29, 2019. Decisions of IAMC were communicated to all HODs and Deans for implementation of the recommendations. All concerned HODS/Deans worked on the recommendations during the Academic year 2019-20 and submitted their reports on progress made on the implementation of various recommendations. The progress reports sent by various departments are attached as Annexure 1A, 1B & 3-9.

The major recommendations of the year 2019 and their progress report on implementation are briefly discussed below:

Recommendation 1

Project Based Learning (PBL) component to be emphasized

Every Department has emphasized upon project-based learning component this year. PBL component has been added as part of TA evaluation with Assignments to be submitted as Projects in every subject, so that the students learn application of the theoretical concepts in a practical manner and in real life situation. Two labs of project based learning are being carried out, one in even and the other in odd semester for M.Tech CSE and M.Tech-CSE-DA. respectively. Along with these, in B.Tech programme, students undertake minor projects in 3rd year and major projects in 4th year.

Recommendation 2

The facilities for simultaneous provision for access of white boards along with the audio-visual facilities on screen projection in each lecture room

The Institute has provided 100% ICT-enabled facilities in all the classrooms and lecture theaters of both the campuses.

Recommendation 3

Increase in student intake for M.Tech in ECE, CS & IT and in MBA programmes

Three new specializations namely Machine Learning and Signal Processing, IOT and Microelectronics, and Wireless Communication have been started to increase the student intake for M.Tech in ECE. JBS has organized series of Guest Lectures with industry speakers on campus along with other curricular and extra-curricular activities to enhance the visibility of its programmes. In addition to the above, during the lockdown, series of online webinars for new students have also been organized by JBS to make them aware about the uniqueness of our Institute.

Recommendation 4

The ratio of Ph.D. Scholars registered /Fac. available for supervision to be enhanced

Generally, the ratio has increased in almost every department, except coming down in JBS due to increase in faculty as listed below:

Completed/ Ongoing P.G. and Ph.D. Studies

Deptt.	Academic Year	No. of M.Tech/ MBA Deg. Awarded	No. of M.Tech/ MBA Students Admitted	No. of Ph.D's Awarded	No. of Ph.D. Scholars Admitted	Total no. of Res. Sch. on Roll	No. of Fac. with Ph.D.	Res. Sch./Ell. Fac. Ratio
Biotech	2018-19	11	12	4	17	45	20	2.25
	2019-20	44	31	3	21	63	20	3.15
CSE & IT	2018-19	CSE-15 DA-06	CSE-10 DA-11	10	24	80	56	1.43
	2019-20	CSE-04 DA-10	CSE-15 DA-06	6	25	97	63	1.53
ECE	2018-19	ECE (CS) – 08 ECE (MET) – 03+01=04 Total=12	ECE (CS)- 0 ECE (MET) – 03 Total=03	10	23	50	52	0.96
	2019-20	8+4=12	3+3=6	4	17	85	60	1.42
HSS	2018-19	--	--	---	4	16	18	0.88
	2019-20	--	--	2	10	21	20	1.05

JBS	2018-19	MBA-48	69	5	5	24	10	2.4
	2019-20	**67**	**60**	**4**	**5**	**30**	**14**	**2.1**
Maths	2018-19	--	--	3	11	24	21	1.14
	2019-20	--	**04**	--	**11**	**34**	**21**	**1.62**
PMSE	2018-19	--	--	3	8	17	24	0.70
	2019-20	--	**6**	**4**	**8**	**26**	**24**	**1.08**

Recommendation 5

Efforts to increase international collaboration in interdisciplinary fields

Dept of CSE & IT has signed an MOU with University of Malta on 28-10-2019. Department of Biotechnology has initiated 2 research projects in international collaboration with University of France and University of Egypt.

Recommendation 6

The joint supervision of M.Tech. Dissertations /Ph.D. theses to be encouraged amongst various disciplines.

Departments of JBS and HSS have registered Ph.D. Candidates for joint supervision and are also interacting in many areas of common interest. In the department of ECE, 8 new Ph.D. scholars with interdisciplinary supervisors have been registered. The percentage of students doing B.Tech. / M.Tech. projects in collaboration with other universities /industry/institute is 16.08% as compared to 6.48% last year in ECE. A Ph.D. scholar in CSE has been registered jointly with a faculty member from PMSE.

Recommendation 7

The faculty members of all the Departments to make an effort to get more awards and recognitions.

Two faculty members of CSE Department, Dr Anuja Arora and Dr Gaurav Nigam have received awards from Elsevier, Wiley & Manipal University, Jaipur this year. Apart from that faculty members have received recognitions & appreciations for their research presentations in conferences are listed below:

Details of Awards Won and Achievements of Faculty

Department	Academic Year	Awards won by the Faculty	
		Academic	Sports
Biotechnology	2016-17	2	
	2017-18	2	
	2018-19	6	
	2019-20	1	
CSE & IT	2016-17	---	
	2017-18	2	
	2018-19	6	
	2019-20	11	
ECE	2016-17	2	
	2017-18	2	
	2018-19	2	
	2019-20	2	
HSS	2016-17	1	
	2017-18	---	
	2018-19	1	
	2019-20	1	
JBS	2016-17	1	
	2017-18	1	
	2018-19	---	
	2019-20	---	
Mathematics	2016-17	---	
	2017-18	---	
	2018-19	---	
	2019-20	---	
PMSE	2016-17	---	
	2017-18	1	
	2018-19	2	
	2019-20	1	

Recommendation 8

Registry and Accounts personnel to be provided soft skills training

SDP has been conducted under the guidance of CIQAC Convener Prof. Hari Om Gupta for not only the members of Registry, Accounts, and Administration, and LRC staff, this year.

Recommendation 9

Hostel facility to be provided in JIIT, Sector 128 campus

Ample Hostel facility is available at Sec. 62 campus which is shared by the students of both Sec. 62 and Sec. 128 campuses.

Recommendation 10

ECE curriculum to have more emphasis on practical learning and education to be integrated with real world problems.

The percentage of students doing projects in collaboration with other universities /industry/institute is 16.08% as compared to 6.48% of last year. Syllabi of EC subjects (Electrical Science 1 and Electrical Science 2) have been modified this year. All ECE courses have been modified to meet the practical learnings and their integration with the real world problems. PG dissertation in collaboration with industry has increased this year.

Recommendation 11

JBS to be advertised using various promotional / branding activities.

The courses offered by JBS to be enriched.

Efforts to be made for better placements for MBA students.

During the lockdown, series of online webinars for new students have been organized by JBS to make them aware about uniqueness of JBS programmes. Efforts have also been made to effectively use Facebook, Instagram and LinkedIn platform for promotion and visibility.

MBA curriculum has been revised in consonance with the JBS-Way Forward and advice received from industry and academic experts. One major specialization of Information

Technology and Business Analytics has been started. Three new courses of IOT Applications in business, Artificial Intelligence in Business, and Competitive and Regulatory Economics have been introduced.

An external expert was invited to enhance the employability skills of the students who conducted a series of Mock interviews and GD's. 43 students (from JBS) got placed out of 47 as against the previous year's figures of 40 out of 43.

Recommendation 12

Placement opportunities in Core Biotechnology Companies to be explored by the T & P Cell.

Following is the table received from Department of Biotechnology which shows good progress in this regard.

Employment Status: JIIT, NOIDA 2019-20*					
Branch	**Total Participating Students**	**Total No. of Offers**	**% of Total Offers**	**Absolute offers**	**% of absolute offers**
B. Tech					
BT	23	23	100%	20	87%
M.Tech					
BT	2	0	0	0	0
Dual					
BT	9	4	44%	4	44%

Recommendation 13

Syllabus of CS, EC subjects to be modified for Biotech students.

During year 2019-20, the syllabi of courses offered by Mathematics and HSS were revised for Biotech students. CSE & IT department introduced two courses namely Fundamentals of Computers & Programming – I, & Fundamentals of Computers & Programming – II, having 4 credits in I & II Semester instead of SDF-1 and SDF-II, for Biotech students. Department of ECE has made it clear that, "Syllabi of EC subjects (Electrical Science 1 and Electrical

Science 2) have been modified for all students this year". However these are not specifically framed for Biotech students only being 1st year common courses.

Recommendation 14

Career enhancement opportunities to be improved for qualified non teaching staff members working at lower levels
This has been specifically taken care of, by the Authorities this time and some cases are resolved at NT 8 level.

Recommendation 15

JBS to organize conferences and more FDPs of 1-2 weeks duration

JBS has not organized any FDP of 1/2 week duration, though it has organized 9 workshops of less than 1 week duration, 3 Expert Talks and 1 Conference this year. JBS did plan a National conference for March 28-29, 2020 but it could not be held due to Covid-19. It has been conducted this year in Sept 25-26, 2020 in on-line mode. FDP was planned but it could be held only after Lockdown in on-line mode. JBS has also organized one Staff Development Programme for staff members and a series of workshops along with 3 MDPs for corporate personnel in Dec-2019 and Jan. 2020 with a revenue generation of Rs.1.32L.

Recommendation 16

Departments of ECE, PMSE, Mathematics and Biotech to organize more workshops and short term courses of 1-2 weeks duration

Department of ECE has organized 4 workshops. Department of Biotech has organized 3 workshops. Departments of Mathematics and PMSE have organized 1 each. Duration of all the workshops has been for less than 1 week.

Recommendation 17

Procedure to be devised to facilitate to collect details of the student's admit cards who are participating in national level competitive exams as per the requirements of several regulatory and accreditation bodies

Department of ECE has devised the mechanism of Google forms to be distributed along with exit forms to passing out students, though Registry is supposed to take care of this. Other departments may also follow the mechanism of Google forms. It may be noted that till date it has not been possible to collect reasonable amount of data.

Recommendation 18

Strengthen further Student Entrepreneurship and Incubation Cell to yield measurable outcomes.

Not much progress has been made in this regard.

Recommendation 19

LRC to strengthen resources for International / National level competitive examinations.

LRC has added resources of International/National Level Competitive Examinations related books with approximately 63 titles and 141 volumes during 2019-20.

Recommendation 20

OBE outcome to be reviewed periodically and necessary action to be taken as per the suggestions of BOS of respective departments.

OBE is very well implemented and regularly reviewed in every department from time to time through various meetings of Board of Studies (BOS) and Programme Assessment Committee (PAC). During the academic year 2019-20, every department has organized 1 BOS and 2-3 PACs for review and assessment of attainments for successful implementation of OBE.