CHAPTER 2: ACTION TAKEN REPORT ON RECOMMENDATIONS OF ANNUAL QUALITY ASSURANCE REPORT OF JULY 2018(IQAC: JULY 2018-JUNE 2019)

The Institute Quality Assurance Cell (IQAC) was established in July 2014. The first report AQAR (Annual Quality Assurance Report) 2015 was available in July 2015. It was sent to all Academic Heads of Departments of the Institute. The recommendations and possible action points were also discussed in IAMC (Institute Academic Management Committee) meeting. The same process was followed this year as well. In addition to this all the departments were asked to submit their report on work done as implementation process of various recommendations. The details sought and the progress reports sent by various departments are attached as Annexure 1A, 1B & 3-9.

Following is the action taken report on recommendations of AQAR-2018 Observations & Recommendations report. The outcome is evident in AQAR-2019 report.

The major recommendations of the year 2018 report and their remedial mechanisms are briefly discussed below:

Recommendation 1

Upgradation of software and hardware in laboratories.

In December 2018, JIIT has established two IOT labs with equipments costing more than 38 Lakhs and computers costing more than 50 Lakhs have been added in labs. Moreover in labs all 403 computers have been replaced by latest i7 computers. 18 Printers have been either added / replaced. New research labs like Machine Learning Lab and Research Project Lab have also been established for ECE Department.

Recommendation 2

Text books of major subjects to be further increased

Library has purchased 6979 text books, 1829 reference books, 259 e-books along with 1005 CDs and Videos in the academic year 2018-19 as per the requirements sent by all the departments.

Recommendation 3

Increase in student intake for M.Tech - ECE and MBA programmes

As per the IQAC-Academic Sub-committee review for this year, it has been found that number of M.Tech students admitted to ECE Department has remained same as last academic year, while the admission to MBA has slightly increased from last year, from 48 in 2017-18 to 69 in 2018-19. Further, BBA programme will be started from session 2019-20.

Recommendation 4

The ratio of Ph.D. Scholars registered /Fac. available for supervision to be enhanced in CSE/IT and ECE departments

Though the number of Ph.D. Scholars seeking admission and then being admitted has increased in all departments, but the ratio of Ph.D. Scholars registered/faculty available for supervision has declined in not only CSE/IT and ECE but also in PMSE and JBS. CSE & IT Department has admitted 24 scholars while 15 were given admission last year, ECE Department has admitted 23 scholars this year, while last year 12 were given admission, and Mathematics has admitted 11 students this year in comparison to 7 last year while PMSE has given admission to 8 students while last year the number was 1 scholar. The reason for declining ratio has been that the number of awarded Ph.Ds has increased this year, 35 having been awarded in 2018-19. Mostly Ph.D holders have been hired as faculty this year, and we give Ph. D supervision after one year of joining, normally to the new faculty.

(For example as per the Department of CSE & IT review for this matter, "there is a jump in the number of Ph.D scholar admitted in last one year (we have given admission to 24 scholars from July 2018 to till date). However 12 existing scholar have completed PHD in this duration as well as all recently hired faculty members (12+) are having Ph.D. degree. Hence the ratio is still same, but there is an increase in the number of aspirants who are seeking admission to Ph.D program in CSE. (In July 2019 exam, 100 people applied, 48 were interviewed and 20 were offered admission). Right now we have total 97 registered Ph.D. Scholars" in CSE Department. Almost same is the situation in all the departments.)

Recommendation 5

Departments of CSE&IT, ECE, Mathematics and JBS to make a concentrated effort to get some projects for the Institute

Concentrated efforts have been made by almost all the departments in this regard. Every department has created research groups as per the thrust areas and they are all actively pursuing not only research projects but also exploring ways to get patents and copyrights. In this regards, two completely dedicated cells on IPR and Sponsored Research Projects are proposed and considered of being created by the Institute. CSE department has already submitted two major projects and are under review. As per Department of ECE "Six new research thrust areas have been developed.... Efforts have been taken for proposing research projects, at least one proposal from each group." Institute is making special efforts in the session 2019-20 for R & D Projects and filing of patents. New cells on IPR and Sponsored Research Projects are proposed to be created from the coming session to expedite the process of filing patents and getting projects.

Recommendation 6

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

Not much has happened in this regard yet, though efforts are being made. Interdisciplinary research for paper publication has been undertaken in the Departments of ECE, JBS, HSS and JBS.

Recommendation 7

Pre-placement training for students through inculcating reading habit and enhancing interpersonal and intrapersonal communication skills

As per Dean, Students' Welfare and Head T & P, "Seminars, Workshops, Campus Interactions, Aptitude Training, Case Study problem solving, Campus mentorship series,

Campus Interview preparation on Soft Skills, Short term courses, etc are organised regularly in JIIT to enhance soft skills of the students. Companies like Deloitte, Amazon, Cognizant Technologies, ZS Associates, Infosys conduct such sessions. In fact every year, we conduct a training session for Quantitative Analysis, Logical reasoning, and Verbal reasoning in July-August. About 550 students from JIIT participate and this 18 hour session per student helps them crack the on line test of not only mass recruiters, but other Cos as well." Short term courses are also arranged to enhance soft skills of the students as reflected in very good placements of our students. But turnout at times remains very less. Hence T & P cell has suggested that these sessions should be part of our curriculum, and should be made mandatory for students. Only then, we may expect a good participation. With this in mind, the Institute has proposed for creating an independent cell from next session onwards, Capability Enhancement and Development Cell to cater to such kinds of needs throughout the year.

Recommendation 8a

Invite more companies for placement of ECE and MBA students

As per the T & P Head "Over the past one year, the number of Cos which have been considering our ECE students have gone up. For the 2018 graduating batch, out of 130 Cos which visited campus, over 75 Cos considered ECE stream, amongst other streams. For the 2019 graduating batch out of 175 Cos which visited campus, over 110 Cos considered ECE stream, amongst other streams." As for MBA students' placement, 29 companies visited for recruiting 2019 graduating batch and 15 of them recruited our students, but 14 companies left without recruiting a single student. As T & P Head has rightly pointed out that "Hence, the number of Cos visiting for MBA placement are sufficient. We need to find a way to convert into offers. 14 Cos investing their time in JBS, and going without a single conversion/offer is alarming!"

Recommendation 8b

JBS to be promoted and popularised

BBA programme has been proposed to be started by JBS from the coming session onwards.

A workshop titled, *"JBS- The Way forward"* was conducted in the month of March and April 2019. The workshop was chaired by Hon. Sh. Manoj Gaur Ji – Exe-Chairman Jaypee Group. Prof. S.C. Saxena (VC), Sh. Alok Gaur, Sh. R.B. Singh and all faculty members of JBS and three members of HSS department were present. The objective of the workshop was to identify the potential areas where JBS can work for enhancing its brand visibility, along with improving its interaction with the industry both for placement and exploring opportunities for consulting and training in corporate. The first round of interaction was held on March 16, 2019 and closing round on April 20, 2019.

The final outcome of this brain-storming workshop and subsequent meetings resulted in identification of 10 Prime Mover Activities to be done for 3 years, starting with April 2019. Each actionable point has been linked with Efforts and Milestones for a year along with a budgetary support for the same. Prime Mover actionable points are admissions, foreign collaborations, branding, placement, industry interaction, launching new programmes, alumni interaction, student rejuvenation, accreditation and ranking and FDPs.

Recommendation 9a

More FDP on Teaching Methodology

Department of ECE has organized 3 FDPs and most of the rest have organized FDP except for the Departments of HSS and JBS. All the other departments have initiated the process to organize more FDPs and follow the suit of ECE Department. Department of HSS has proposed for conducting FDP on Teaching Pedagogy for all the faculty members of the Institute during the semester end exams in the session of 2019-20.

Recommendation 9b

Workshops and Training Programmes for Non-teaching staff

In the Department of ECE, during development of new research labs like Machine Learning Lab and Research Project Lab, installation and usage guidance training sessions have been organized for faculties as well as for lab staff. The department of CSE & IT has initiated the process and will be conducting some training programmes and workshops for Lab Staff in the coming session. Department of HSS has proposed to conduct workshops on communication and soft skills training programmes for non teaching staff in the upcoming session of 2019-20.

Recommendation 10

Sports related competitive events to be increased

As per recommendation of past academic year IQAC-SAP report, increase in conduct of sports related competitive events has been observed. Multiple sports events have been conducted at both the campus with 2046 number of students participationg in these activities. Fun Sports Meet has been conducted from November 14-26, 2018 apart from many competitions in Cricket, Volleyball, Basketball, Table-Tennis and Badminton.

Recommendation 11

Strengthen further Student Entrepreneurship and incubation cell.

Student Entrepreneurship and incubation cell that was created on campus, needs to be further strengthened to yield measurable outcome as per the recommendations of SAP committee. To foster entrepreneurship orientation in students further, Jaypee Innovation and Entrepreneurial Centre" (JIEC) has also been instituted. Students / alumni of JIIT have ventured into some start-up initiatives over the time with 15 initiatives in 'Entrepreneurship, incubation project, partnership activity, on-line freelance' having been recorded this year.

Recommendation 12

Access to student data (past and present academic records, attendance) to the Mentors to facilitate more effective counselling.

Mentors can access student data related to academic records through their webkiosk but access to attendance records is currently being processed. It will be implemented in the new software.

Recommendation 13

Student's participation in competitive events held by external institutions / agencies to be encouraged.

Students have not only participated but also have won I and II prizes pan India in different competitive events like Hackathon, Technovation, Biotechnological Start Up ideas etc, organized by institutes like IITs, IIMs and DU colleges. Also there has been an increase in the number of students appearing for competitive exams this year. A total of **206** students have appeared in important nationwide competitive exams including GATE, CAT, UPSC & NET (CSIR), GRE, TOEFL,CDS, IELTS.

Recommendation 14

The recommendations of Audit Committees constituted for audit of Non-Teaching departments to be implemented

Most of the recommendations given by Auditors for Non-teaching Departments have been implemented.