



# TECHNO INDIA NJR INSTITUTE OF TECHNOLOGY

Approved by AICTE & Affiliated to Rajasthan Technical University

www.technonjr.org

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## MINUTES OF IQAC MEETING HELD AT 11 AM ON 30<sup>th</sup> December 2020

### Participants (Present):

Mr. RS Vyas	Dr. Yasmin Ali
Dr. Pankaj Porwal	Mr. Lokesh Malviya
Dr. Prasun Chakrabarti	Mr. Gaurav Kumawat
Dr. Jitendra Shreemali	Dr. Nitin Kothari
Mr. Aaditya Maheshwari	Mr. Jitendra Choubisa

### Participants (Not Present):

Mr. Neeraj Pandya	Mr. KK Sharma
Mr. Rajkumar Soni	Mr. Jayant Pancholi

## **AGENDA**

1. Review of course completion in all departments. All departments to identify students needing added help so extra classes can be organized for them;
2. Review of content development on Techno LMS;
3. Report on successful completion of ISO 9000 Certification & using it for quality improvement;
4. Review of feedback from: (a) Students; (b) Parents; (c) Alumni; & (d) Employers;
5. Discuss NBA Accreditation for CSE Department at Techno India NJR;
6. Plan for internal process audit at Techno to assess preparedness for NAAC Assessment;
7. Faculty & student training needs at all departments;
8. Faculty feedback on various tools used for online classes;
9. Requirement of studio / recording room for recording classes;
10. Research project / Innovation Project submission this semester and future plan;
11. Any other item with permission from IQAC Chairman, Dr. Pankaj Porwal.

### **Summary of Discussions/Decisions:**

1. Leave of absence was granted to the members absent.
2. All departments provided an update on their course completion during the ongoing odd semester. On account of difficulty reported by students during online classes, being held on account of Covid-19, in understanding Mathematics problems the course completion is lagging. Extra classes will be allotted to Mathematics so student understanding and course completion do not suffer. All departments coordinators to ensure that adequate time is provided for course revision after completion and slow learners identified for additional counseling/help.
3. LMS: LMS Content development is in progress.
  - a. The following were recommended by IQAC for consideration by faculty for content development:
    - i. Reference books - Link if available/ Title
    - ii. Self recorded videos of 10 hours for each subject. 20 videos of 30 minutes each.
    - iii. Suggested Certificate courses on the subject- NPTEL, AICTE, Swayam , EdX, Coursera and others.
    - iv. Suggested and edited YouTube and other videos.
    - v. Best Notes of a students. / Faculty Notes.
    - vi. RTU papers of earlier years.
    - vii. Quiz/MCQ questions.
  - b. First year students are yet to be brought on the LMS portal. First year coordinators to send the list to Aaditya Maheshwari for doing so. Dr.YA to ensure the same.
  - c. To improve the LMS and enhance its usability, shuffle feature to be incorporated at individual chapter level along with feature for pdf attachment.
4. IQAC briefed about ISO 9000 certification being completed successfully.
5. Feedback received from (a) Students; (b) Parents; (c) Alumni; and (d) Employers reviewed and the following action items were agreed upon for immediate focus:

- a. Greater focus to be placed on mentoring students to help them address their weaknesses & build on their strengths;
  - b. College will consider adding additional sports/games facilities for students asap and minimize use of college bus facilities by non-bus-card holders;
  - c. College will provide added training for students considering higher studies. Also, closer interaction with Alumni will be ensured so as to get their inputs for improvement more regularly; and
  - d. Identify trainings to build leadership and managerial strengths among students;
6. Work on NBA accreditation has started. Details of data required will be communicated to departments since NAAC accreditation process is already underway.
  7. Review meetings for NAAC to assess on NAAC assessment preparedness and schedule an internal audit before SSR is filed.
  8. As 'Coursera for Campus' is now closed, all departments asked to explore other avenues of skill development and also ensure that every department has, at least, one faculty proficient in use of ICT/programming language(s).
  9. All departments reported reduced student participation during online classes. Students will be informed that they can come to college for doubts/clarifications since notices for reopening of schools are now out. Social distancing & safety norms will be ensured for students coming to college;
  10. Studio & recording room is ready. Schedule for each department to be prepared starting with Mechanical department;
  11. Explore the opportunity provided by [Google Cloud Researcher Application] at <https://docs.google.com/forms/d/e/1FAIpQLSe-XSSgqHOaYuPYXAzy6cbEvDd11fbYh4IlZecP35IYeNWBxQ/viewform> for putting up a research application.

**The meeting concluded with Vote of thanks.**

For Techno India NJR Institute of Technology  
पंकज पौरवाल  
Dr. Pankaj Kumar Porwal  
(Principal)



## **MINUTES OF IQAC MEETING HELD AT 11 AM ON 24<sup>th</sup> July 2021**

### **Participants (Present):**

Mr. RS Vyas	Dr.Yasmin Ali
Dr.Pankaj Porwal	Mr.Lokesh Malviya
Dr. Prasun Chakrabarti	Mr.Gaurav Kumawat
Dr. Jitendra Shreemali	Mr Rajkumar Soni
Mr.Aaditya Maheshwari	Mr.Jitendra Choubisa

### **Participants (Not Present):**

Mr.KK Sharma  
Mr.Jayant Pancholi

### **AGENDA**

1. Review of presentation for regular classes
2. Review of content development on Techno LMS
3. Review of progress on feedback form (a) students (b) parents (c) Alumni (d) employers (e) faculty
4. Review on NAAC accreditation
5. Design of low cost ventilator
6. Teaching-learning process to be strengthened
7. UCCI-Techno NJR collaboration

### **Summary /discussions**

1. IQAC suggested the following to ensure regular classes are run safely and effectively
  - a) Buses will run only for students who are unable to travel on their own and students are required to ensure social distancing in buses
  - b) Laboratory work to give priority once regular classes start
2. Use of LMS to be enhanced and faculties were encouraged to add more content on it

3. Follow up –
  - a) Due to the second wave of Covid-19 some actions have not progressed very fast and would be given priority after regular classes start. All HODs to emphasize increased interaction between mentors and mentees so that students get more time /guidance from faculty
  - b) Use of LMS to be enhanced
  - c) All action items agreed to for different feedbacks taken to be monitored by HODs on regular basis. IQAC expressed satisfaction at the coming up of a modern Gym, Golf club and two canteens to address the concern areas expressed in earlier survey.
4. IQAC reviewed progress on NAAC progress and the institute is almost ready for peer team visit
5. During the Covid-19 phase, throughout the country there was shortage of ventilators as a result of which many deaths were recorded. Hence the institute decided to work on design of low cost ventilators. The work has progressed well and the prototype has been developed in collaboration with Clearpack and PARC. The product is at the testing stage.
6. In all the branches Bloom's Taxonomy and CO-PO mapping to each cognitive level has been initiated and in CSE department, even CO-PO attainment and gap analysis have been done.
7. Strong association with Udaipur Chamber of Commerce & Industry (UCCI) –
  - a) The institute has helped UCCI in designing and delivering IT Readiness Programme to graduates of various colleges at its vocational training center
  - b) The institute has supported UCCI in providing Oxygen Concentrator Machine to Govt. Hospitals and District Administration
  - c) The institute has supported UCCI in the plantation of various RIICO industrial areas of Udaipur.

**The meeting concluded with Vote of thanks.**

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## MINUTES OF IQAC MEETING HELD AT 11 AM ON 24<sup>th</sup> December 2021

### Participants (Present):

Mr. RS Vyas, Director  
Dr.Pankaj Porwal , Principal  
Dr. Prasun Chakrabarti , Provost  
Mr Yogendra Singh Solanki , IQAC Coordinator  
Mr.Aaditya Maheshwari ,Head Industry Projects  
Dr Prakash Bahrani, Dept of EE  
Mr.Lokesh Malviya, Dept of ME  
Mr.Gaurav Kumawat, Dept of CSE  
Mr Abhishek Sharma ,Dept of ME  
Mr.Jitendra Choubisa ,Dept of CE

### Participants (Not Present):

Mr. K K Sharma  
Mr. Jayant Pancholi

### **AGENDA**

A detailed discussion took place on the first AQAR report of NAAC based on the following criteria activities held in 2020-21

- Curricular Aspects
- Teaching-learning and evaluation
- Research, innovations and extension
- Infrastructure and learning resources
- Student support and progression
- Governance, leadership and management
- Institutional values and best practices

The Action Taken Report of the first two IQAC meetings in 2020-21 was placed and discussed (Annex).

**The meeting concluded with Vote of thanks.**

**Annex**

**ACTION TAKEN REPORT BASED ON THE FIRST TWO IQAC MEETINGS IN 2020-21**

<b><u>Sr.No.</u></b>	<b><u>Agenda in the IQAC meeting held on December 30, 2020</u></b>	<b><u>Action Taken</u></b>
1	Discuss NBA Accreditation for CSE Department at Techno India NJR	The NBA accreditation work for CSE branch has been completed and on 8 <sup>th</sup> March 2021, the institute has submitted the application for NBA accreditation for the CSE programme
2	Plan for internal process audit at Techno to assess preparedness for NAAC Assessment	Internal audit and CO-PO-PSO monitoring had been strengthened
3	LMS content to be developed	The following work has been done – <ul style="list-style-type: none"><li>• Reference books - Link if available/ Title</li><li>• Self recorded videos of 10 hours for each subject. 20 videos of 30 minutes each.</li><li>• Suggested Certificate courses on the subject- NPTEL, AICTE, Swayam , EdX, Coursera and others.</li><li>• Suggested and edited YouTube and other videos.</li><li>• Best Notes of a students. / Faculty Notes.</li></ul>

		<ul style="list-style-type: none"> <li>• RTU papers of earlier years.</li> <li>• Quiz/MCQ questions</li> </ul>
4	Recording in Digital studio to be initiated	The faculties of all departments recorded their videos in digital studio.

<u>Sr.No.</u>	<u>Agenda in the IQAC meeting held on July 24, 2021</u>	<u>Action Taken</u>
1	NAAC progress to be monitored	The NAAC peer team visited the institute on October 8-9, 2021 and the visit was satisfactory.
2	Laboratory work to be given priority	The institute not only conducts labs meticulously but also arrange additional beyond the syllabus trainings/certifications in advanced technologies and map the content to existing RTU lab syllabi

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## MINUTES OF GOVERNING COUNCIL

### Minutes-

#### **Members present –**

Mr. RS Vyas ,Foundation Director and Trustee, Techno India NJR Institute of Technology, Udaipur

Mr. Lalit Yagnik – Industry Mentor, Techno India NJR Institute of Technology, Udaipur

Prof. Pankaj Kumar Porwal –Principal , Techno India NJR Institute of Technology, Udaipur

Prof. Pradeep Chhawchharia – Director(Research), Techno India NJR Institute of Technology, Udaipur

Prof. Prasun Chakrabarti , Executive Dean (Research) and Distinguished Professor, Techno India NJR Institute of Technology, Udaipur

**Venue – Zoom @ Techno India NJR**

**Date – September 22, 2020**

### **Agenda**

#### **A) Final year Results and Placement**

1. A total of 78.29% students out of 258 who appeared for final year exams successfully completed their degree program in previous academic year.
2. Techno NJR had very good placements in previous academic year. 147 students of 2019-20 batch were placed in various reputed companies. Results of several interviews are still awaiting.

#### **B) Faculty skill upgradation through certifications -**

In 2019-20 the faculties fully utilized the COVID period and they successfully completed 132 certifications. In addition to it faculties

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### **C) Student achievements –**

Total number of Students participating in extension activities in 2019-20 conducted in collaboration with industry, community and Non- Government Organizations is 223.

i) International Research Internship (2020) : 22

ii) i3 Monuments Mixed Reality Application ( Awarded as App of the Month by JIO Glass)

iii) Wricks Project: \$12500 Canadian Dollar: Schulich Business School, Canada in 2021organised by Schulich with Startup India.

iv) Wricks: Demolishment & Waste Plant – Municipal Corporation, Udaipur

### **D) Admission status -**

Admissions for academic year 2020-21 have been delayed and are still continuing. The institute expects an admission of 150 students in first year taking total student strength of the college to 585.

### **E) Faculty requirement -**

The sanctioned strength of students in current academic year is 1688. As per AICTE, faculty requirement should be calculated based on sanctioned intake and hence to maintain faculty student ratio of 20, the required faculty strength should be 85. But based on the Covid situation and current student strength, the Governing Council has sanctioned recruitment of faculty members up to a total number of 75.

### **F) New infrastructure requirement -**

In the view of COVID-19 situation it has become important to create infrastructure for online courses. Governing Council has approved the following- 1) subscription for zoom 2) setup of a digital studio and 3) Blended Classroom Proposal with Impartus Innovation (upGrad Campus) - To provide experiential teaching learning to students, IQAC was looking for ways to adapt and modernize the teaching experience to allow diverse student population to learn as effectively as possible. With an ever-expanding universe of current and course-relevant content available both externally (through Internet) and internally (on campus), college needs a way to provide a way for students and professor to effectively, in a less partitioned way, supplement their course materials with newly accessible and valuable content. We have received solution proposal from Impartus Innovation Pvt ltd for 2 classroom course recording and streaming of content facility. Content stored on the impartus media server can be accessed through Techno's campus network with remote access to the students. With media storage server can store videos in the cloud and allow students to access content without compromising content security.

### **G) Starting new course –**

In view of increasing demands for MCA ,the Governing Council approves starting of MCA course for AY 2021-22 with an intake of 60.

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#### **H) AICTE application for new academic year -**

After detailed deliberations, the Governing Council members unanimously agreed that for AY 2021-22, in addition to extension of approval, Techno India NJR Institute of Technology should –

Apply for continuation in intake of courses, Civil Engineering (60), Computer Science and Engineering (120), Electrical Engineering (60), Electronics and Communication Engineering (60) and Mechanical Engineering (60). Additionally, the institute should apply for starting MCA course with an intake of 60.

#### **I) Feedback analysis -**

Feedback from students, faculties, employers, parents and alumni as well as results for the Academic Year 2019-20 were collected and analyzed by the HODs of various departments and presented to the Governing Council for discussions and suitable actions. The reports are given in Annexure.

The meeting concluded with Vote of Thanks.

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## ANNEXURE -

### Student feedback

#### Part A (Student's Feedback on Faculty Performance during the classroom and labs )

The institute conducts student feedback on academic level and syllabus transaction. The rating is normally given on a scale of 1 to 4 based on the aspects: Excellent (4), Good (3), Average (2) and Below Average (1).

Feedback was collected from students and based on their answers the following charts were prepared to analyze the results.

#### **Question 1 in the feedback form: Is teacher always punctual in coming to your class?**

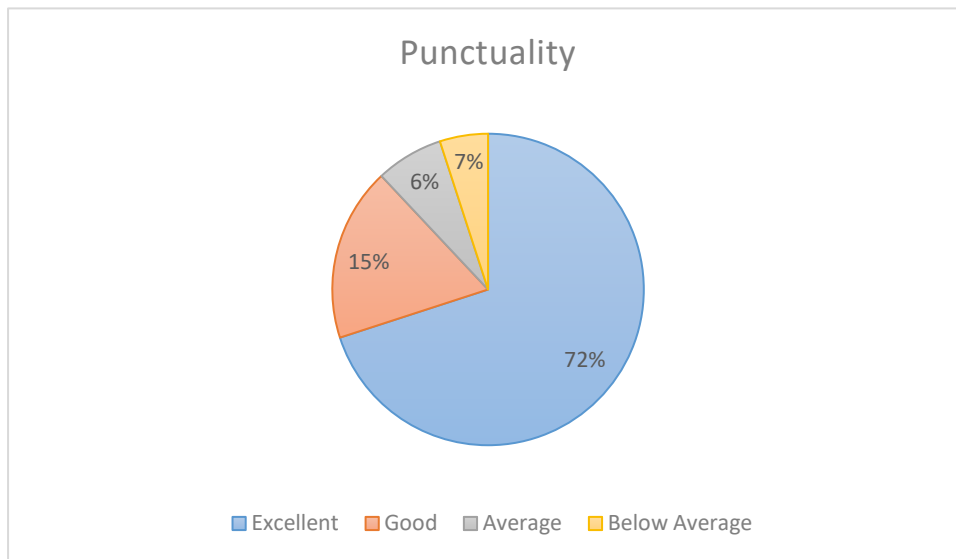


Figure 1: In-class Punctuality

Discipline and punctuality are the major pillars of the academic. Hence the teachers were rated on the basis of their punctuality and the figure 1 reflects that 87% of the students were satisfied with the teacher punctuality. The teachers are even ready to help the students beyond the class timings.

#### **Question 2 in the feedback form: Does the teacher come well prepared for lecture in your class?**

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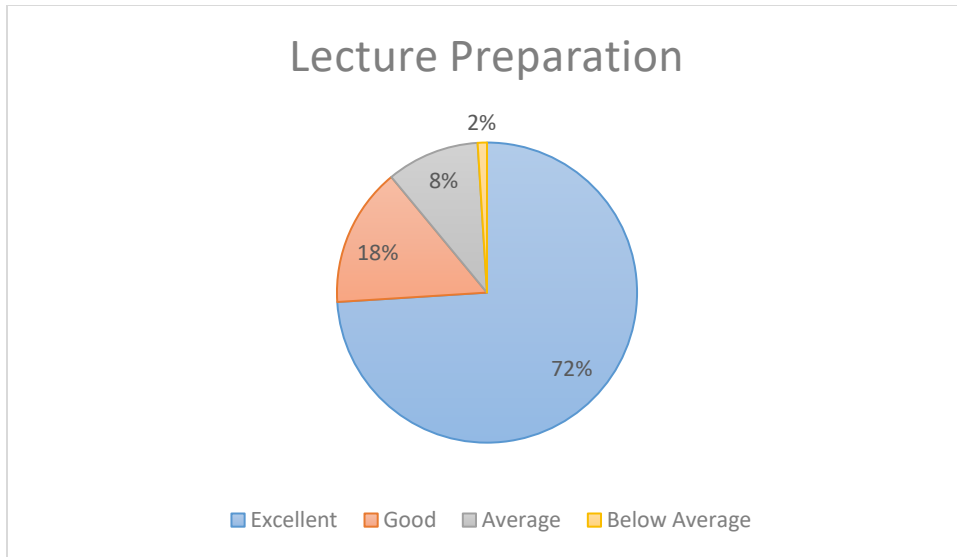


Figure 2: Lecture Preparation

Analysis of figure 2 shows that 90% of the faculties delivered lectures with the proper preparation and notes. Apart from that sometimes teachers recommend some videos / mini clips of applications related to subject matter.

**Question 3 in the feedback form: Does the teacher make efforts in teaching and explanation?**

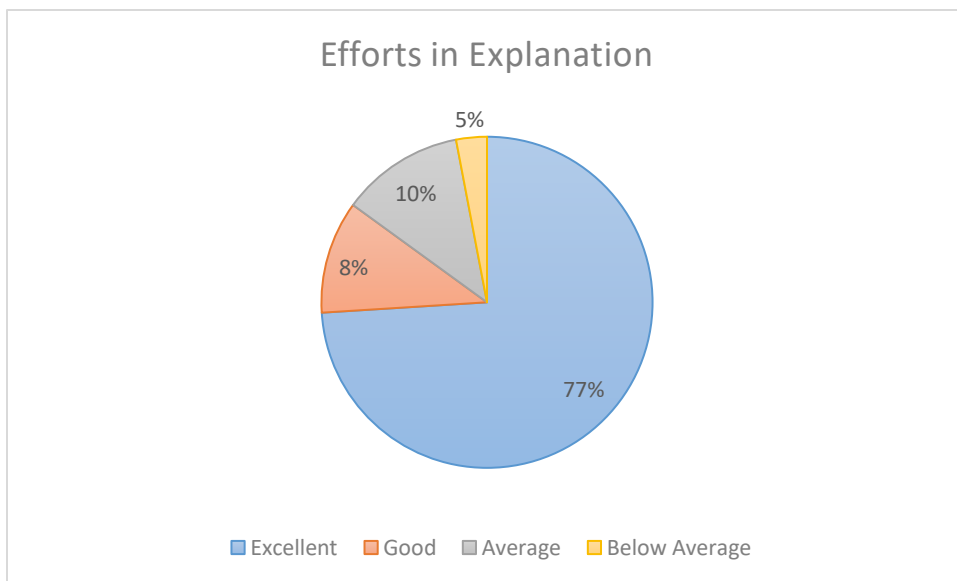


Figure 3: Efforts in explanation

Majority of the students are satisfied with the faculty's efforts. One most important feature is that the teachers use different teaching methodologies for slow and active learners and also take extra/remedial classes for backlog students.

**Question 4 in the feedback form: Do you understand what the teacher is teaching?**

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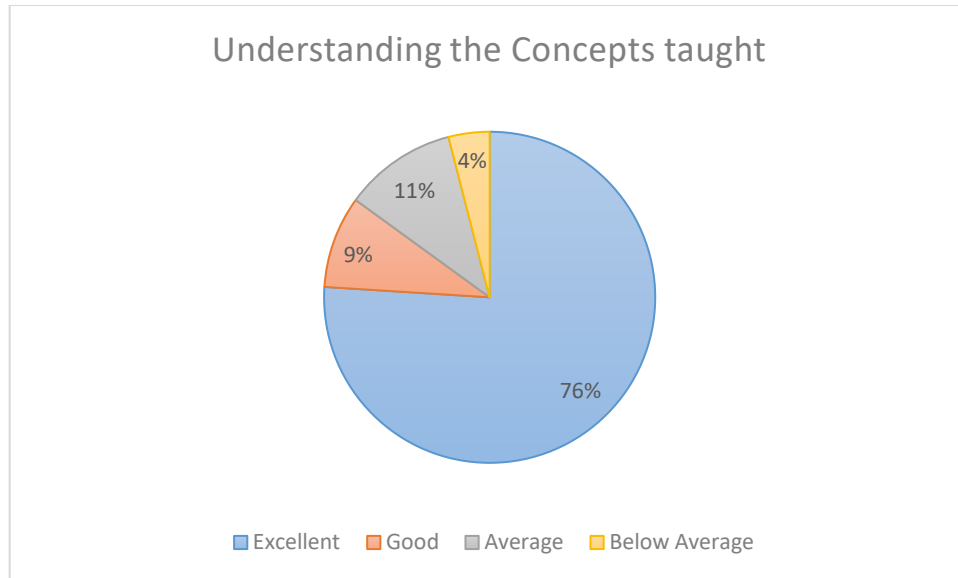


Figure 4: Understanding the concepts taught

The teachers use to teach the basic and fundamentals of the subject matters along with industrial applications. This helps the students to get proper understanding of the actual concepts of the subjects. Once the basic knowledge is clear then the students can study advanced topics .

**Question 5 in the feedback form: Do you feel comfortable asking question to teacher?**

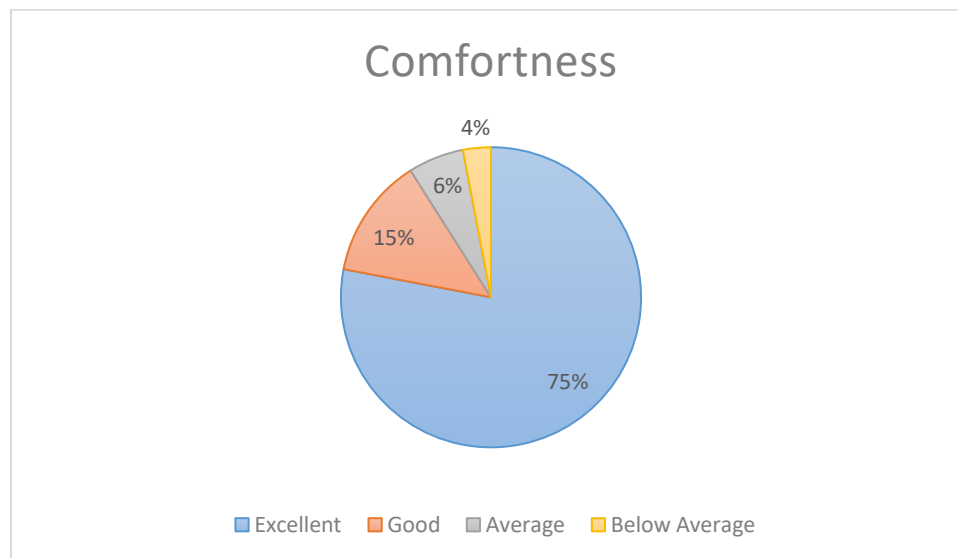


Figure 5: Comfortness

The above analysis clearly points out that during the class the students were free to ask questions and also participate in interaction with the faculties.

**Question 6 in the feedback form: For the teacher’s subject how much marks do you expect out of 100**

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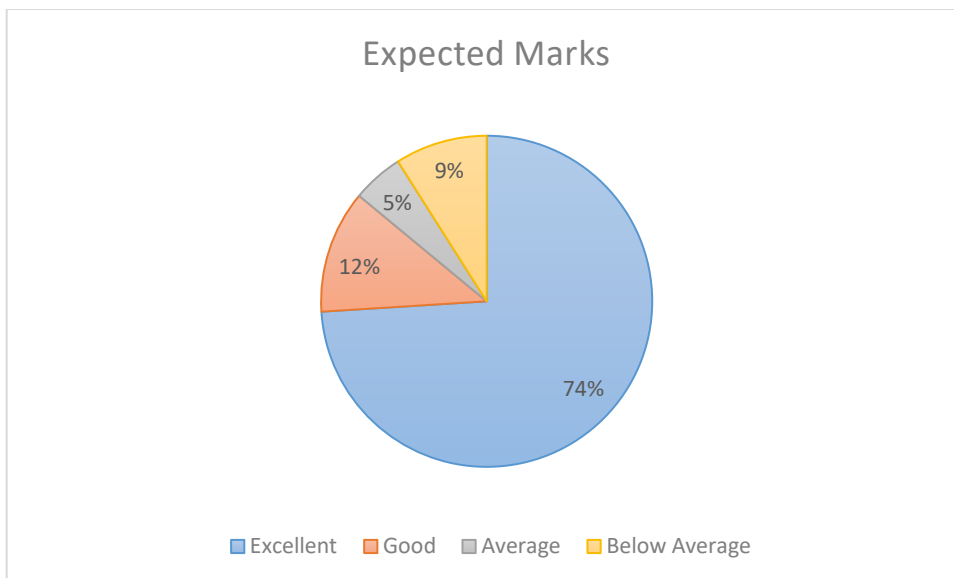


Figure 6: Expected Marks

Since the faculties use to cover the entire syllabus hence the students comfortably could mention the expected marks and it was observed that majority cases the expected marks and actuals marks matched.

**Question 7 in the feedback form: Are the equipment in the lab enough and in working conditions?**

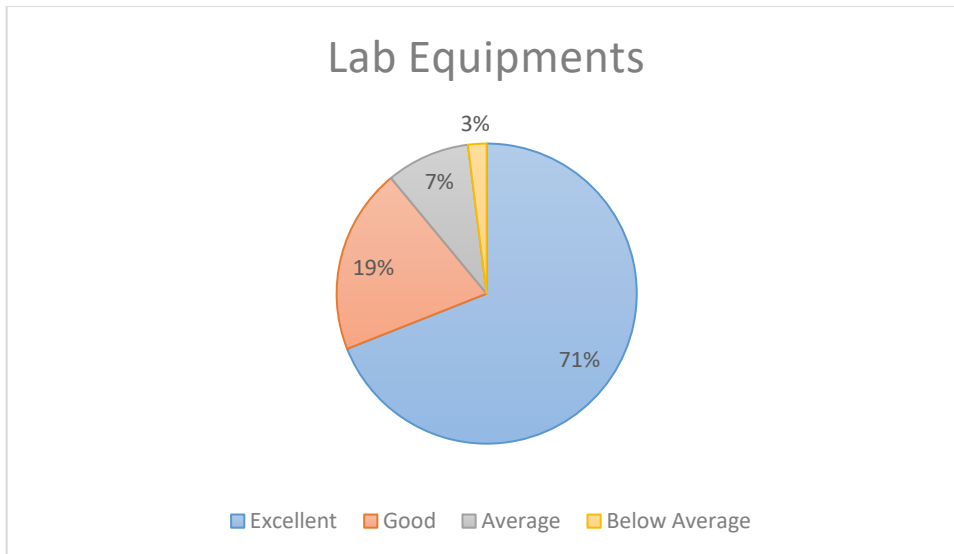


Figure 7: Lab Equipment

The condition of the lab equipment were satisfactory and student feedback was fine.

**Question 8 in the feedback form: Is the lab in-charge explaining the experiment properly?**

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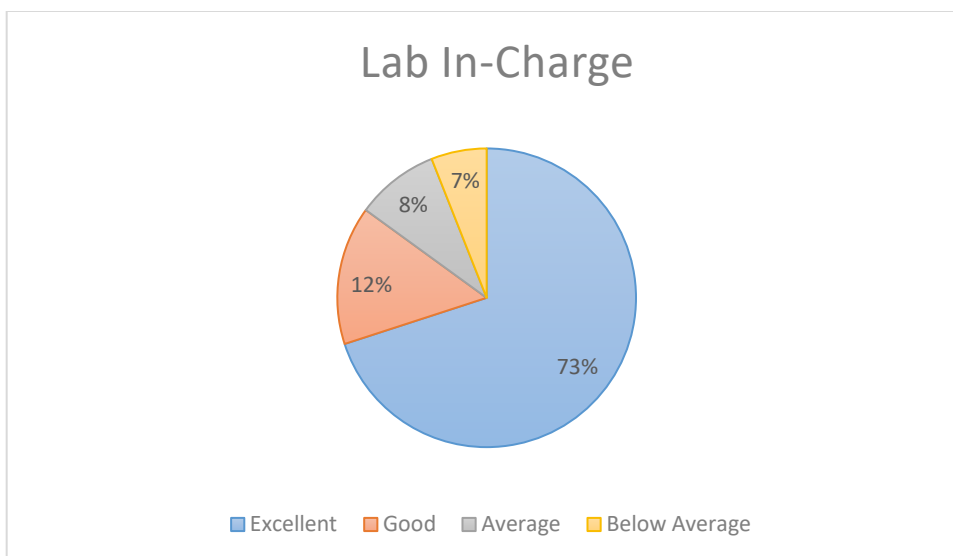


Figure 8: Lab In-charge

Analysis of figure 8 shows that the students are satisfied with the lab in-charges. Actually as per institute policy the lab assistants also had to undergo skill development courses.

**Part B(Student's Feedback on Curriculum for the year 2019-20)**

The institute conducts student feedback on academic level and syllabus transaction. The rating is normally given on a scale of 1 to 4 based on the aspects: Excellent (4), Good (3), Average (2) and Below Average (1).Feedback was collected from students and based on their answers the following charts were prepared to analyze the results.

**Question No 1 in feedback form: Activities leading to Placement/Entrepreneurship/Lifelong learning/Field Projects and Internship**

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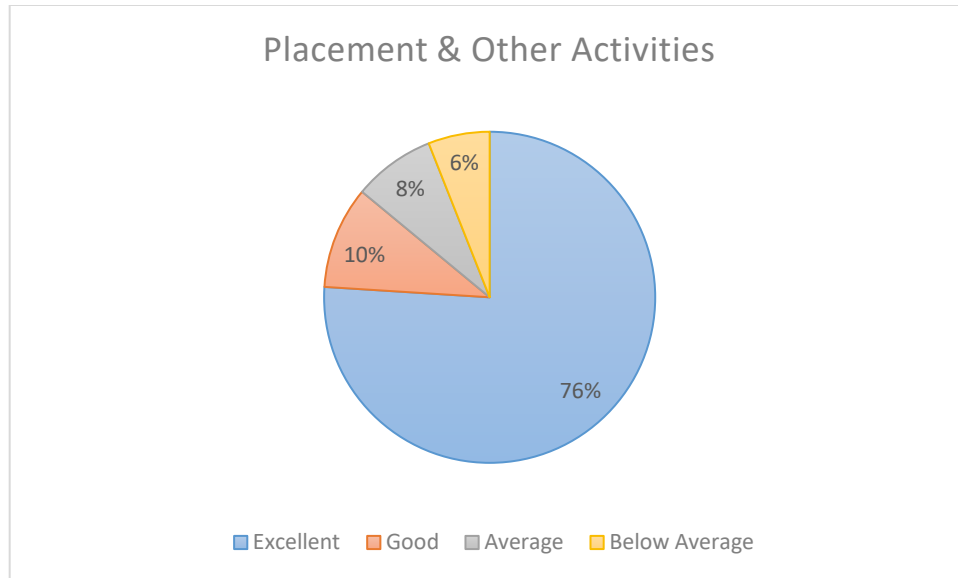


Figure 1: Placement & Other activities

The institute has a dedicated training and placement cell that takes care of activities leading to Placement, Entrepreneurship, Lifelong learning, Field Projects, and Internship. As per the analysis of figure 1, 76% of students were satisfied with the activities.

**Question No 2 in feedback form: Motivation and exposure to Co-Curricular/Extra-Curricular Activities in the Institute**

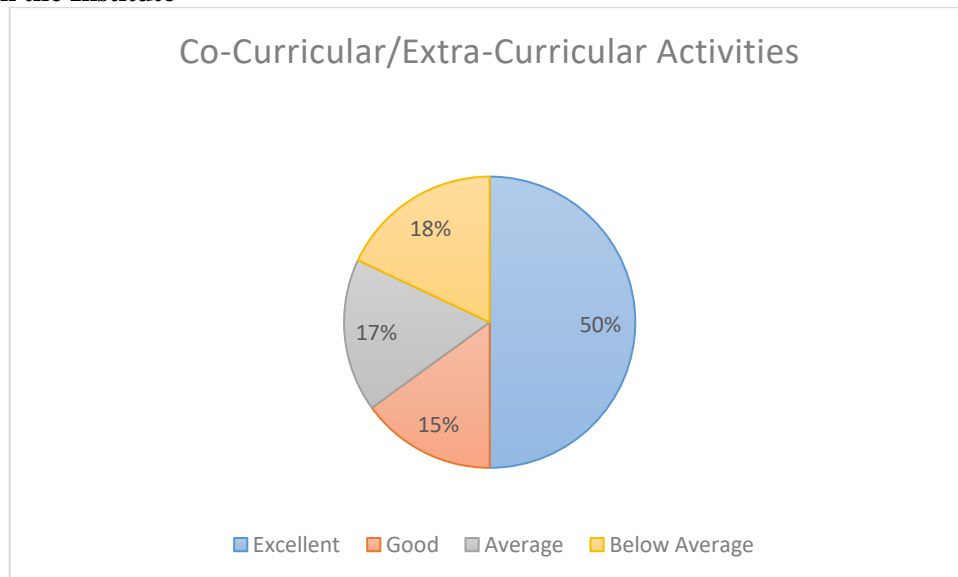


Figure 2: Co-Curricular/Extra-Curricular Activities

Though the institute mainly focuses on academic activities, still some co-curricular activities were conducted and as a result 50% of the students were extremely satisfied while few suggested to add more activities during the academic session.

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**Question No 3 in feedback form: Assessment of examination at Institute Level**

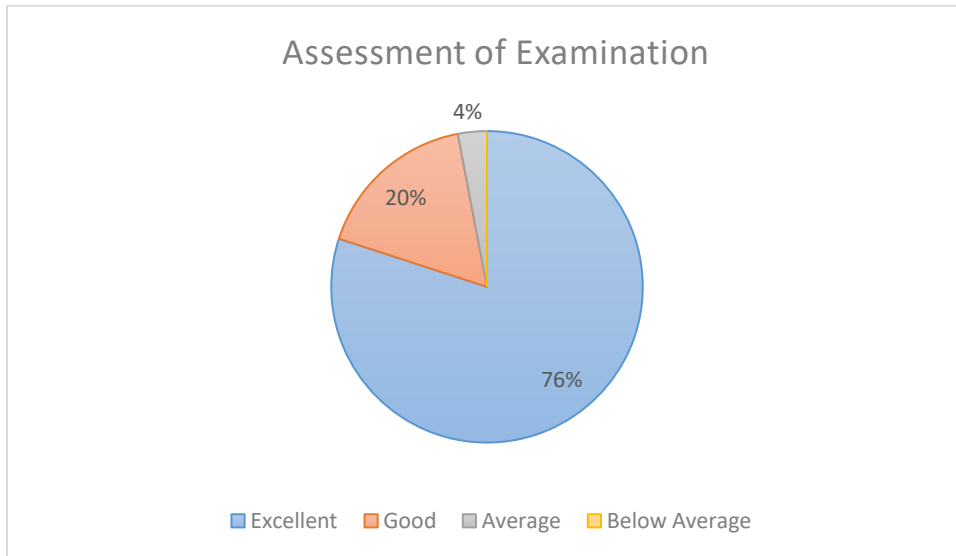


Figure 3: Assessment of Examination

The institute adopts a transparent and systematically assessment of the students based on class interaction, assignments, quizzes, performance in labs and mid-term exams. Almost all the students were satisfied with the methodology and transparency of the institute level assessment.

**Question No 4 in feedback form: Does the faculty use ICT Tools for teaching?**

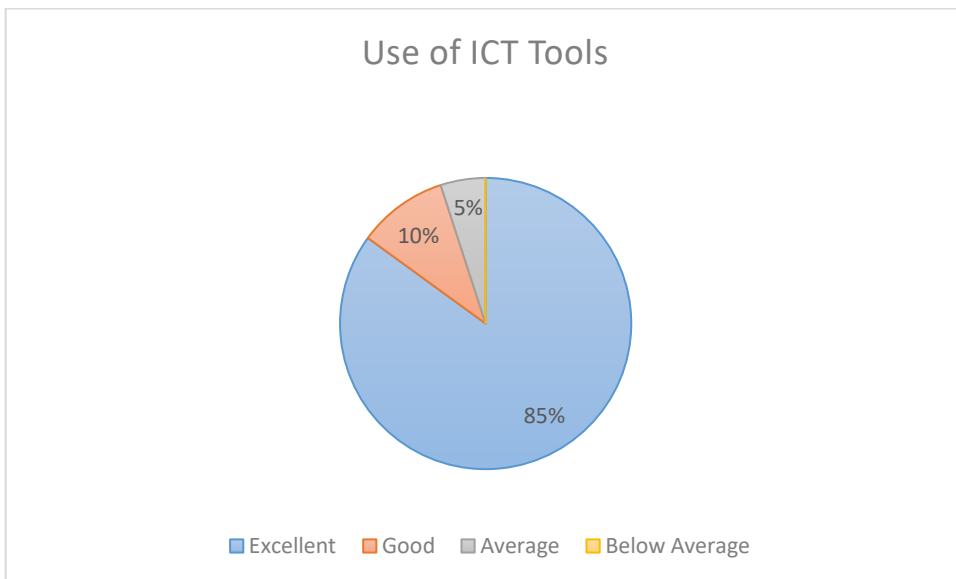


Figure 4: Use of ICT Tools

The institute has several smart classrooms and all faculty adopt ICT based teaching pedagogy. As per student feedback all faculty efficiently used ICT tools during their teaching in the class.

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**Question No 5 in feedback form: Is the faculty successful in improving your understanding of concepts and principles in the subject?**

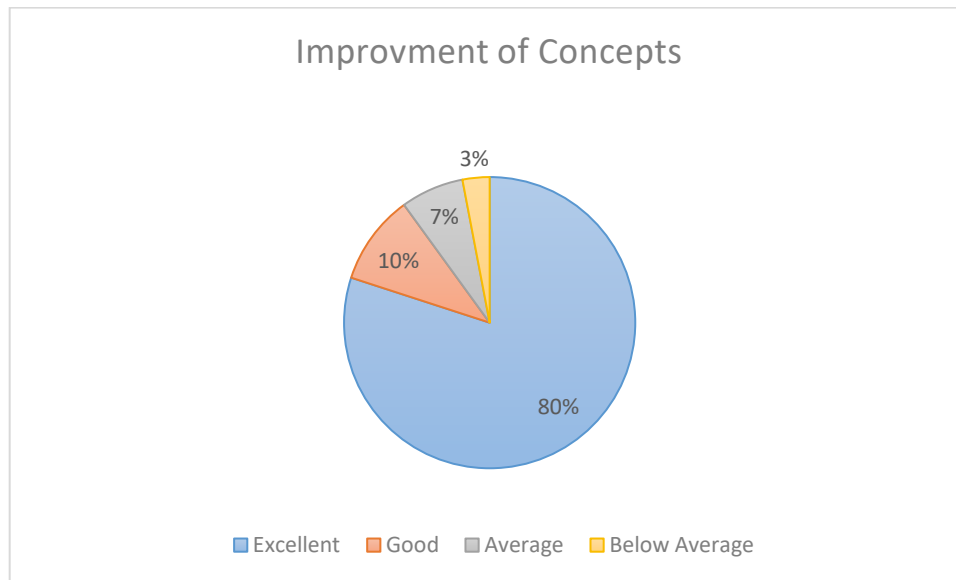


Figure 5: Improvement of Concepts

As per figure 5, 80% of the students were satisfied with the performance of the faculty towards development of their concepts and principles in the subject.

**Action taken :** Feedback was taken at the end of each semester for the 2019-20 academic year. The observation based on the feedback are as follows:

1. Even though the institute has enhanced ICT facilities still for further trainings and certification, few more ICT enable smart classroom should be allocated.
2. To conduct much more placement ready classes /sessions.
3. To introduce bridge courses as and when required to meet the pre-requisites.

Accordingly in first year Python programming was being taught as a bridge course. Industrial tours would soon be conducted immediately after COVID phase is over.

### **Faculty Feedback –**

#### **Faculty's Feedback on Curriculum for the year 2019-20**

The institute conducts faculty feedback on institute facilities and syllabus transaction. The rating is normally given on a scale of 1 to 4 based on the aspects: Excellent (4), Good (3), Average (2) and Below Average (1).The feedback form included 4 questions related to syllabus transactions and the same was

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analysed using the above 4-point scale. Feedback was collected from faculties and based on their answers the following charts were prepared to analyze the results.

**Question No 1 in feedback form: The book/journals etc. prescribed/listed as reference materials are relevant, updated and cover the entire syllabus**

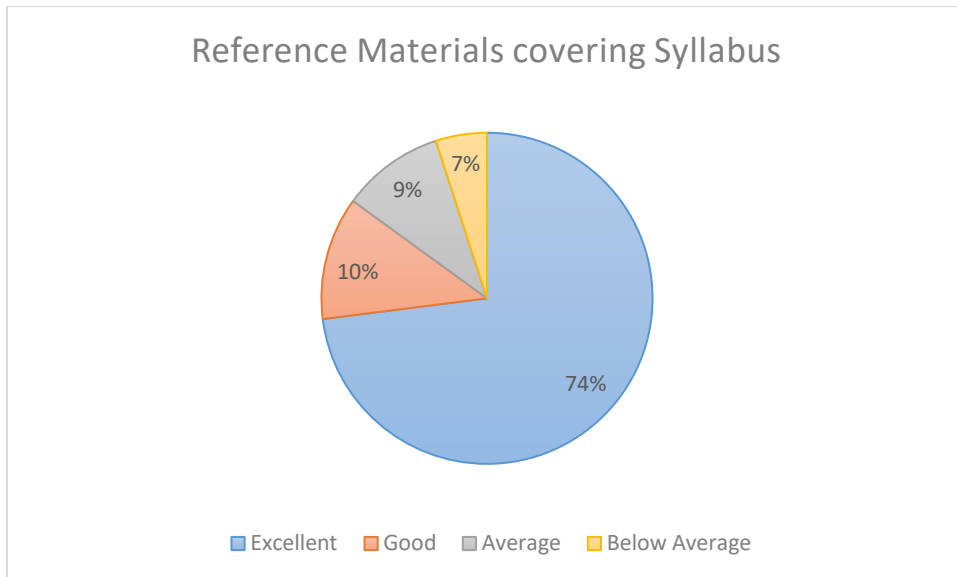
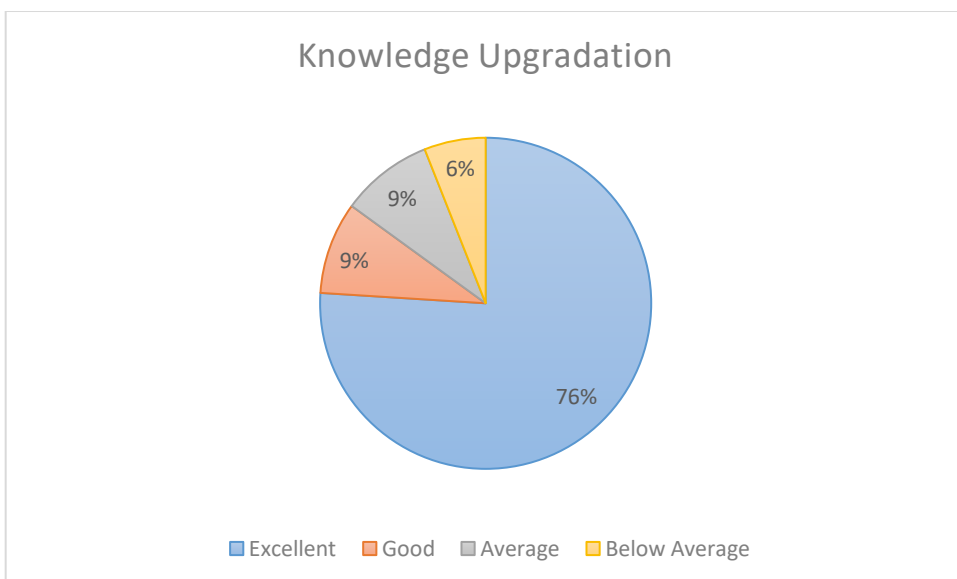


Figure 1: Reference Materials covering syllabus

Analysis of figure 1 shows that 84% of faculty were of the opinion that the books/journals listed as reference materials would cover the entire syllabus.

**Question No 2 in feedback form: The courses/syllabi of the subjects taught by me increased my interest, knowledge, and perspective in the subject area.**



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Figure 2: Knowledge Upgradation

Analysis of figure 2 shows that even though majority of the faculty members were satisfied with the syllabus content still to update their domain knowledge, they used to pursue industry certification, trainings, MOOC sessions, FDP and STTP.

**Question No 3 in feedback form: The curriculum has given me full freedom to adopt new techniques/strategies of teaching such as group discussions, seminar presentations and learner's participation.**

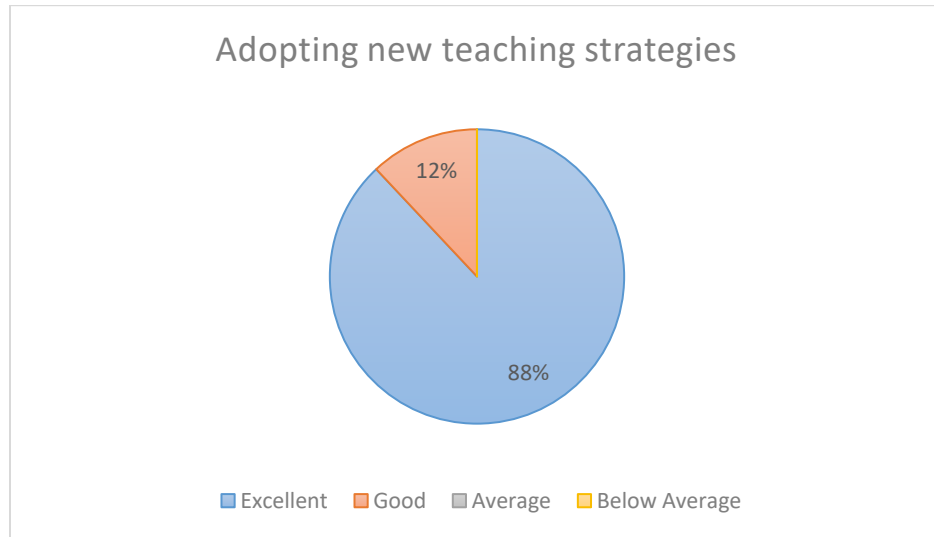


Figure 3: Adopting new teaching strategies

The faculties have full freedom to conduct the classes as per their autonomy. Apart from the syllabus coverage they used to conduct interactive sessions, online sessions by subject matter experts from academia and industry, group discussions, seminars.

**Question No 4 in feedback form: I have the freedom to adopt new techniques/strategies of testing and assessment of students.**

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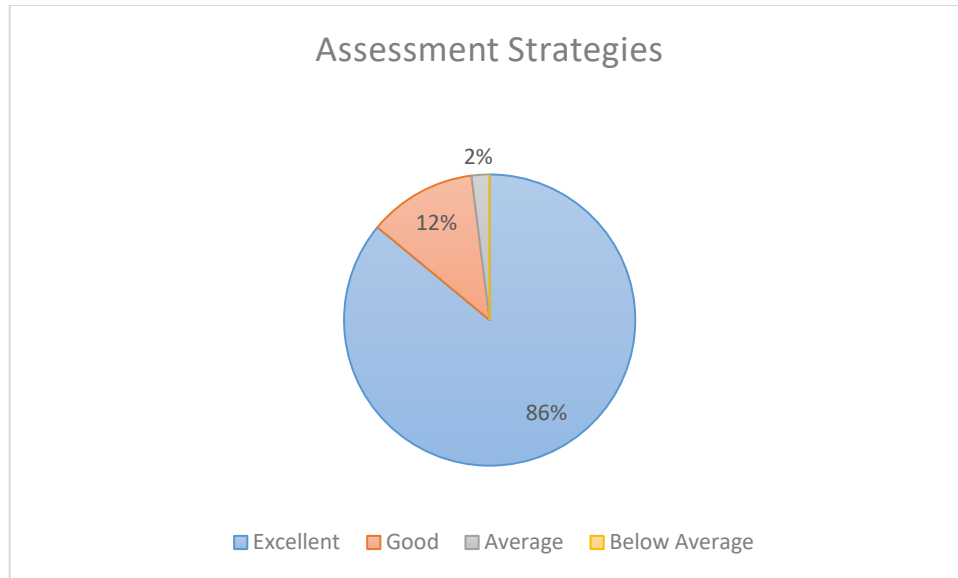


Figure 4: Assessment Strategies

The faculty members are extremely comfortable to adopt latest techniques and strategies for the students assessment as the institute gives full autonomy in their marking system.

**Question No 5 in feedback form: ICT facilities in the college are adequate and satisfactory.**

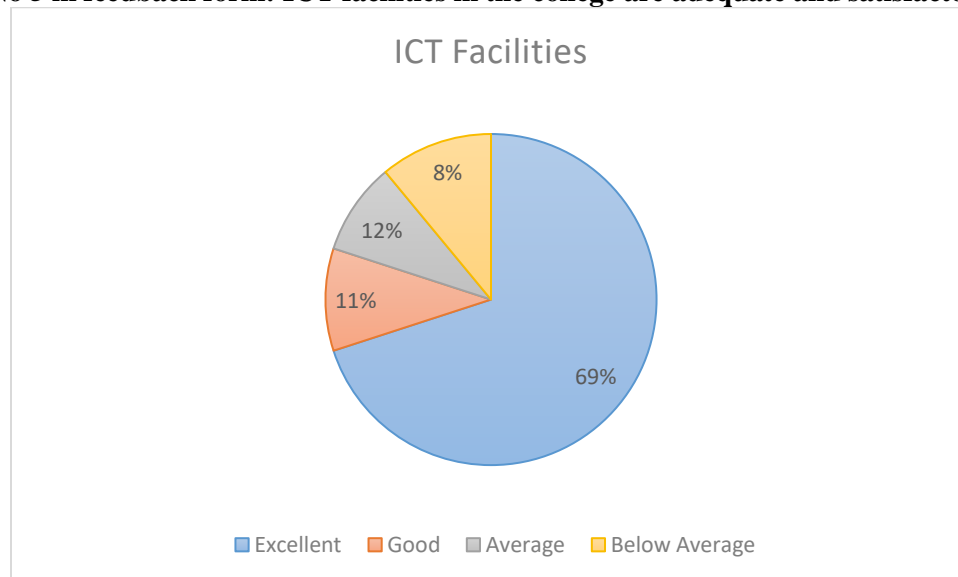


Figure 5: ICT Facilities

Although faculties were happy with ICT facilities still the institute gives stress on ICT facility enhancement.

**Question No 6 in feedback form: Faculty Room is adequate and available in the Institute.**

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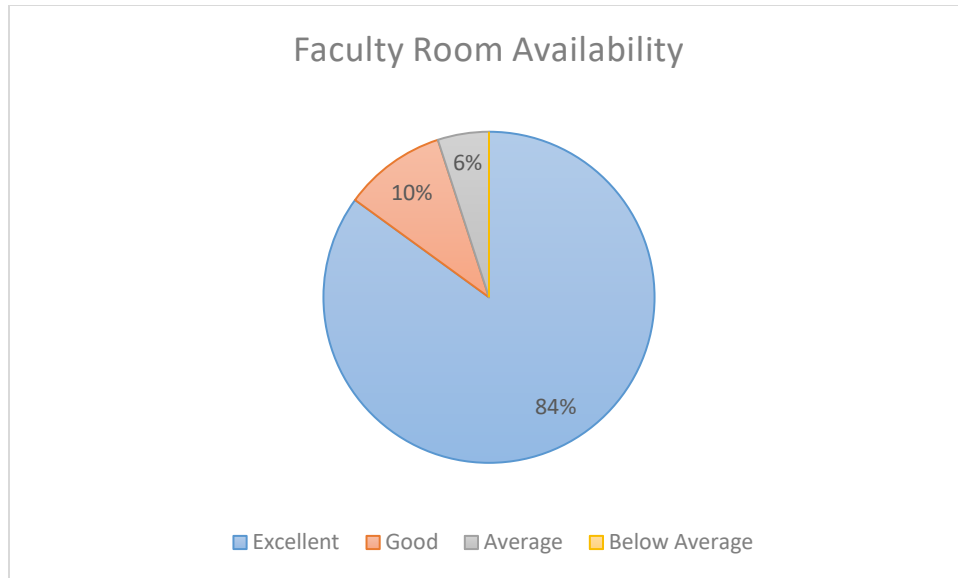


Figure 6: Faculty Room Availability

As per analysis of figure 6, the infrastructure of institute is as per the AICTE norms and there is adequate room for faculties.

**Action taken** - Feedback was taken at the end of each semester for the 2019-20 academic year. The observation based on the feedback are as follows:

1. To request the governing council to increase number of e-Journals in the library.
2. Faculty feedback on the various aspects on curriculum such as Design, sequence, Subject-Content, and its relevance shows that syllabus prescribed by the RTU is organized. However, the institute gives stress on beyond the syllabus activities like industry projects, professional training, certification, and SME lectures.
3. Faculties did many MOOC courses and fully utilized the lockdown phase.

### Parent Feedback –

#### **Parents' Feedback on Curriculum for the year 2019-20**

The institute conducts Parents' feedback on institute facilities and syllabus transaction. The rating is normally given on a scale of 1 to 4 based on the aspects: Excellent (4), Good (3), Average (2) and Below Average (1). Feedback was collected from Parents and based on their answers the following charts were prepared to analyse the results.

**Question No 1 in feedback form: Are you happy with the progress of your ward in academics?**

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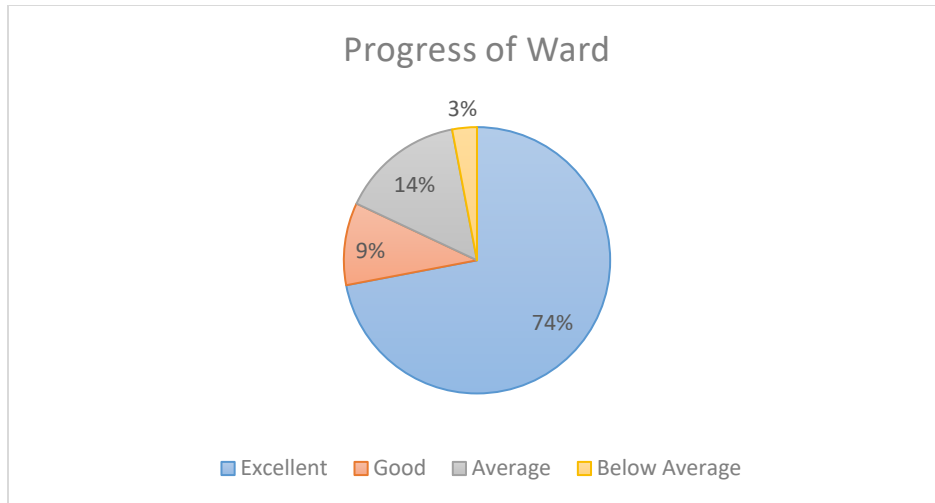


Figure 1: Progress of Ward

Analysis of figure 1 shows that majority of the parents were extremely satisfied with the progress of their wards in the academics.

**Question No 2 in feedback form: How do you rate the infrastructural facilities provided by the institute?**

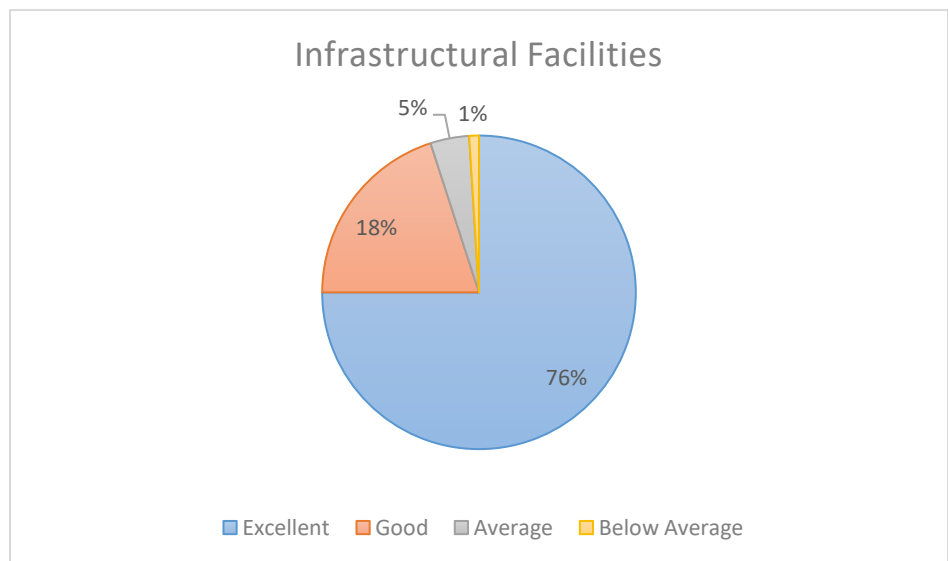


Figure 2: Infrastructural Facilities

The infrastructure feedback of the institute was fine.

**Question No 3 in feedback form: Are you happy with the curricular (Add-on Courses/Seminar/Guest Expert Lectures) & Extra-Curricular Activities organized by the Institute?**

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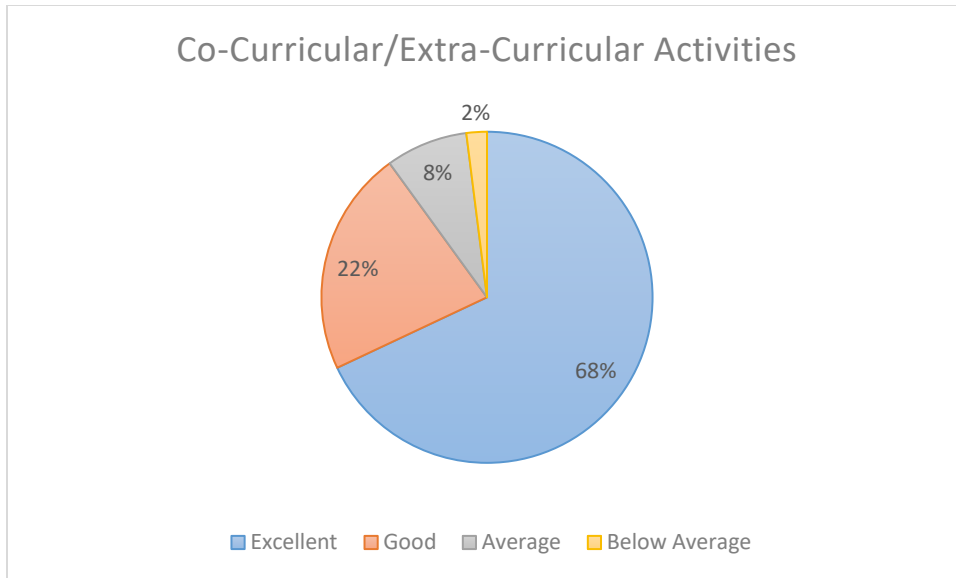


Figure 3: Co-Curricular/Extra-Curricular Activities

Since the institute mainly focuses on academic activities, still few parents suggested to increase co-curricular/extra-curricular activities for the students to make them versatile.

**Question No 4 in feedback form: Are you satisfied with the Administration of Institute?**

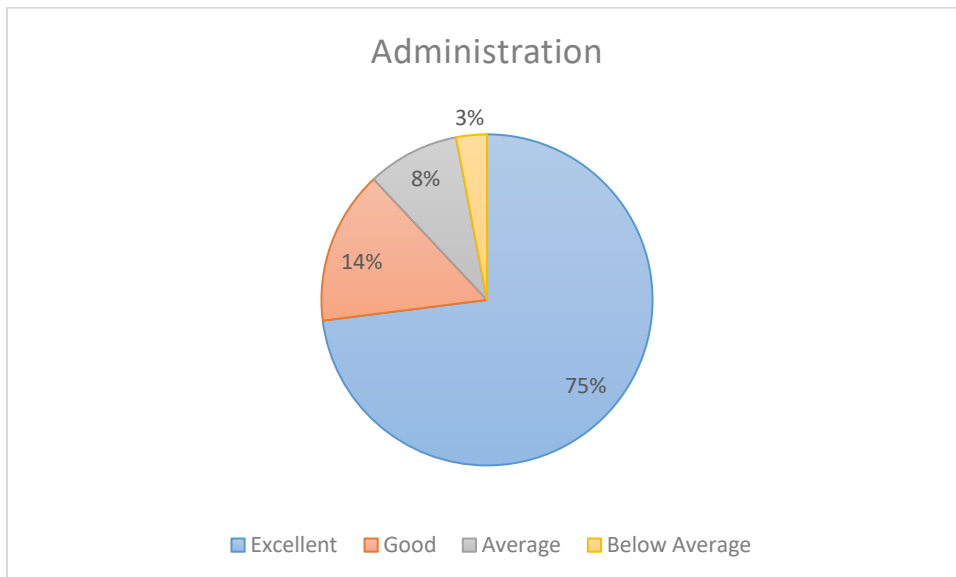


Figure 4: Administration

The institute has a well defined administrative policy and regulation.

**Question No 5 in feedback form: Are you satisfied with the student's discipline of the Institute?**

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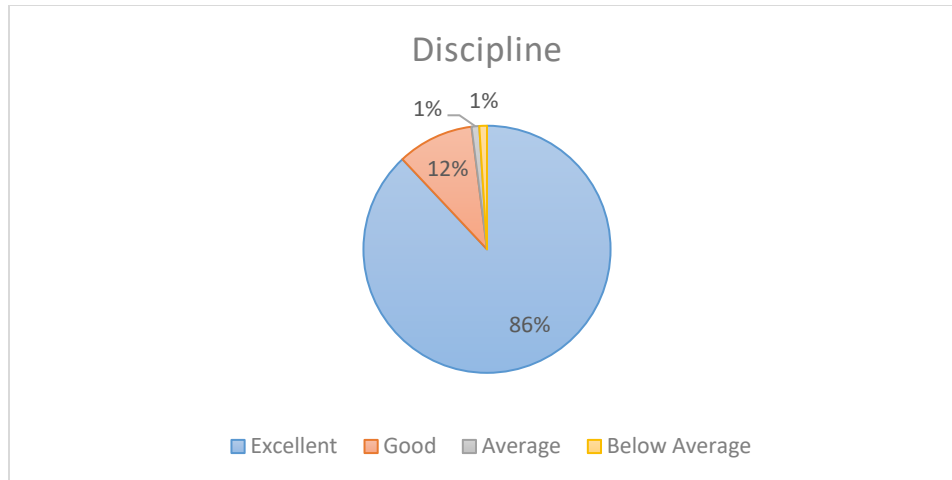


Figure 5: Discipline

There was hardly any disciplinary case.

**Question No 6 in feedback form: Does your ward/Institute regularly inform you about his/her performance?**

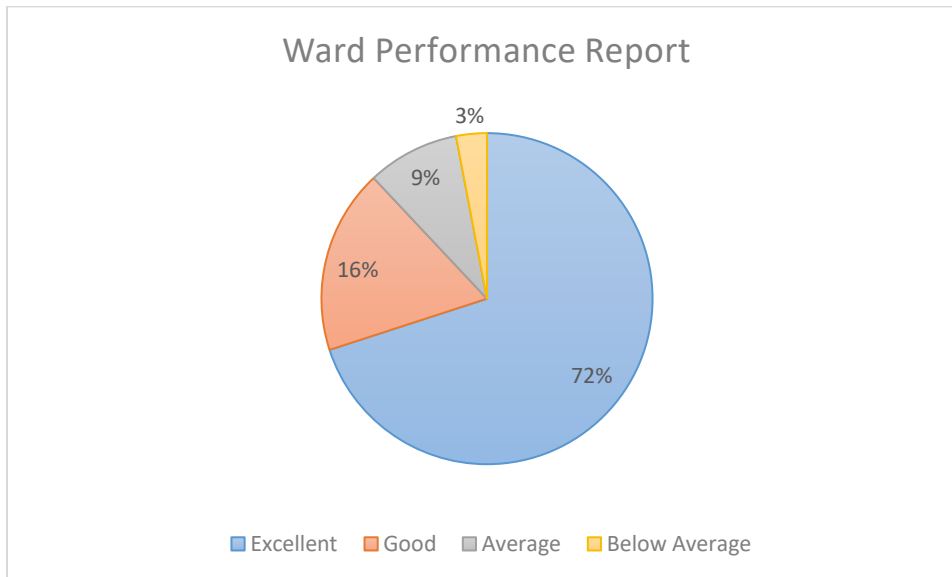


Figure 6: Ward Performance Report

Even though regular Parent-Teacher meetings were conducted still few parents suggested to increase the frequency of the meeting on their ward performance.

**Actions taken-** Parents requested to increase frequency of parent teacher meeting. It was well taken and management is working on the same.

**Employer Feedback -**

**Employer's Feedback on Curriculum for the year 2019-20**

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The institute conducts Employer's feedback on institute facilities and syllabus transaction. The rating is normally given on a scale of 1 to 4 based on the aspects: Excellent (4), Good (3), Average (2) and Below Average (1). Feedback was collected from employer and based on their answers the following charts were prepared to analyse the results.

**Question No 1 in feedback form: Academic knowledge of the students**

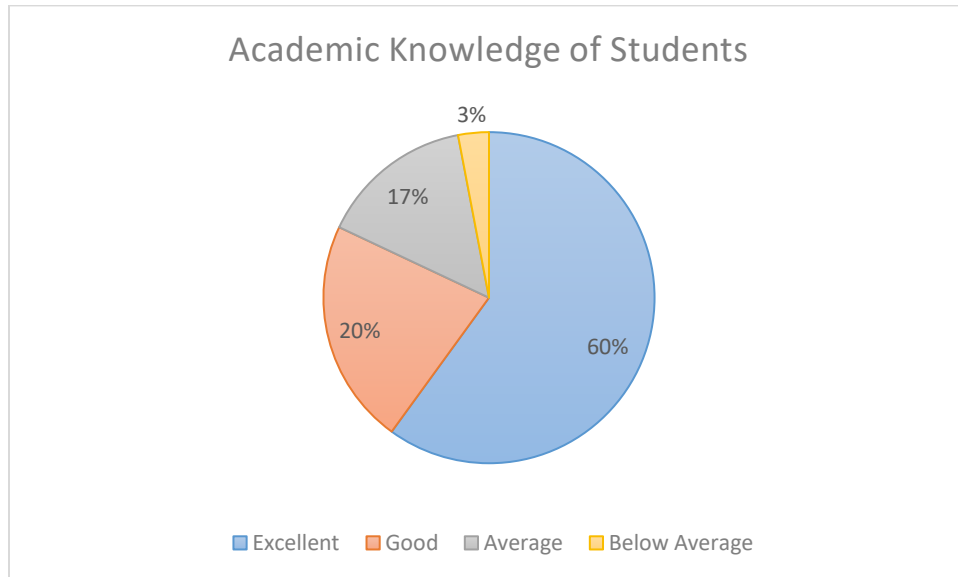


Figure 1: Academic Knowledge of Students

Most of the employers were satisfied with student academic knowledge.

**Question No 2 in feedback form: Syllabus is suitable for Employability and is need based and as per current trends in market**

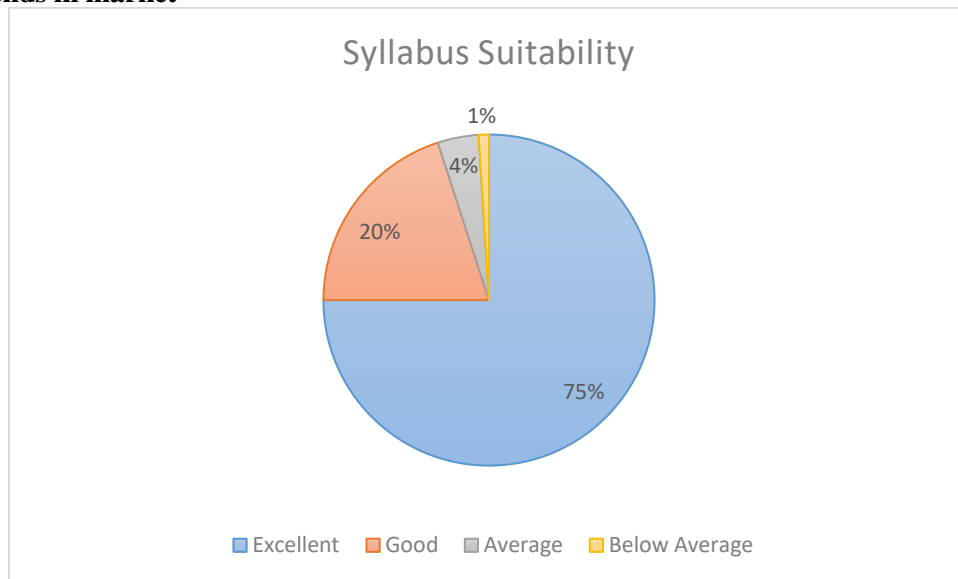


Figure 2: Syllabus Suitability

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Employers were satisfied with the syllabus content. However, they have suggested the students to pursue industry certification, trainings, and MOOC sessions.

**Question No 3 in feedback form: Ability of the employee to apply the concepts of engineering to workplace**

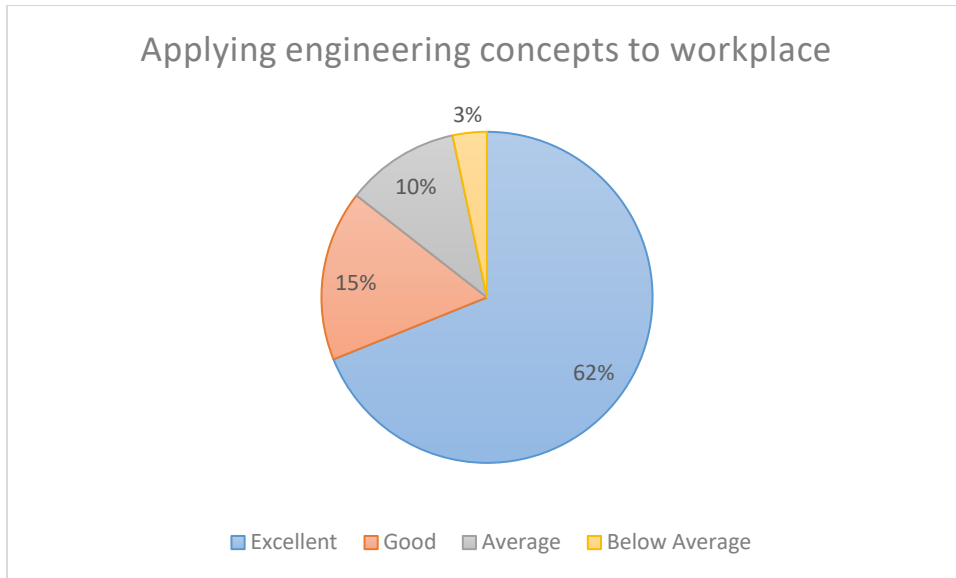
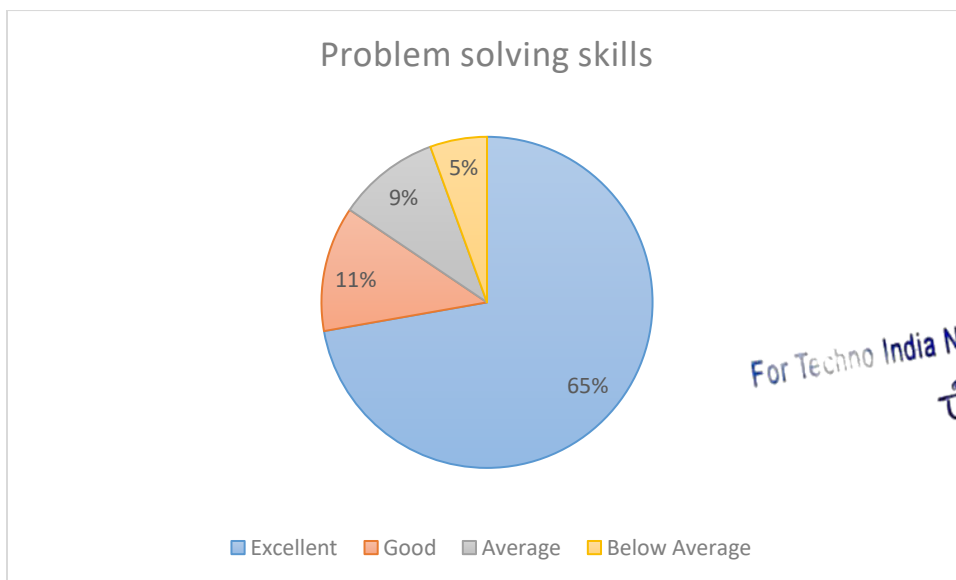


Figure 3: Applying engineering concepts to workplace

As per the analysis of figure 3, the employers were satisfied with the students' innovative skills to workplace. They have also suggested to teach them leadership and soft skills.

**Question No 4 in feedback form: Ability of the employee to identify, formulate, interpret, analyse, and solve problems**



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Figure 4: Problem Solving Skills

Employers suggested to teach the analytical and reasoning skills to the students so that they can better solve real life problems and have the idea to formulate and interpret any problem statement.

**Question No 5 in feedback form: Ability of the employee to communicate**

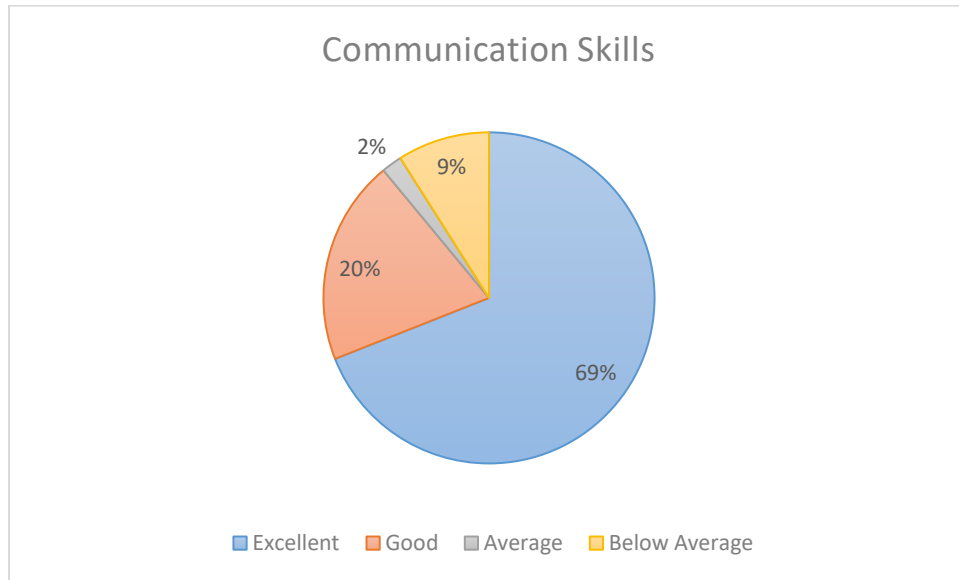


Figure 5: Communication Skills

Even though the institute organizes communication classes for the students, still the employers suggested to teach business reports preparation, presentation skills, email writing, corporate culture, and ethics.

**Question No 6 in feedback form: Ability to work in a team**

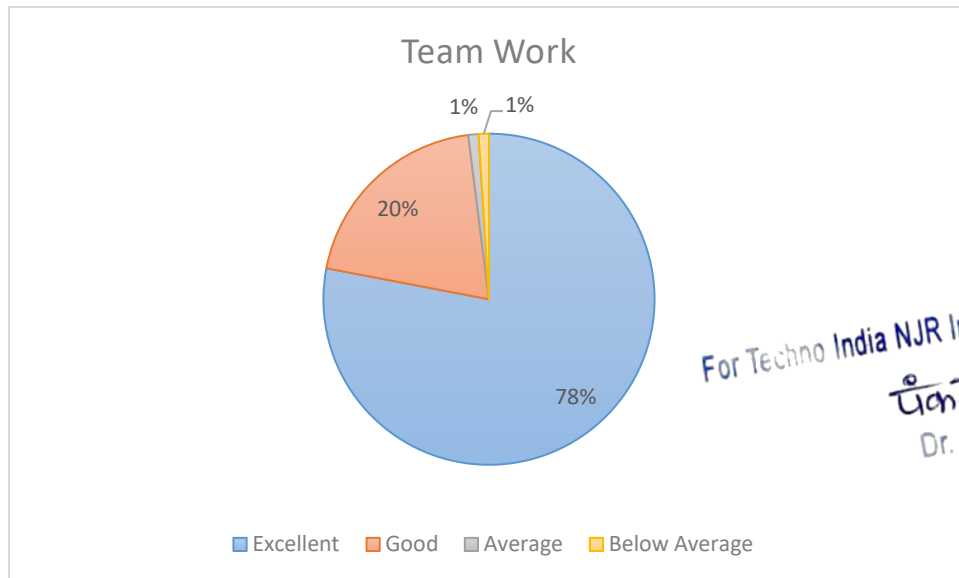


Figure 6: Team Work

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**Actions taken** – Some special classes were organized for analytical reasoning and quantitative aptitude. Soft skills based expert sessions were also conducted. The institute participated in Smart India Hackathon every year where students developed the ability to work in a team. As a result, employers were extremely satisfied with the performance of the students based on the team work.

### Alumni Feedback-

#### **Alumni's Feedback on Curriculum for the year 2019-20**

The institute conducts Alumni's feedback on institute facilities and syllabus transaction. The rating is normally given on a scale of 1 to 4 based on the aspects: Excellent (4), Good (3), Average (2) and Below Average (1). The feedback form included 2 questions related to syllabus transactions and the same was analysed using the above 4-point scale. Feedback was collected from alumni and based on their answers the following charts were prepared to analyse the results.

#### **Question No 1 in feedback form: How do you find overall infrastructure at the Institute?**

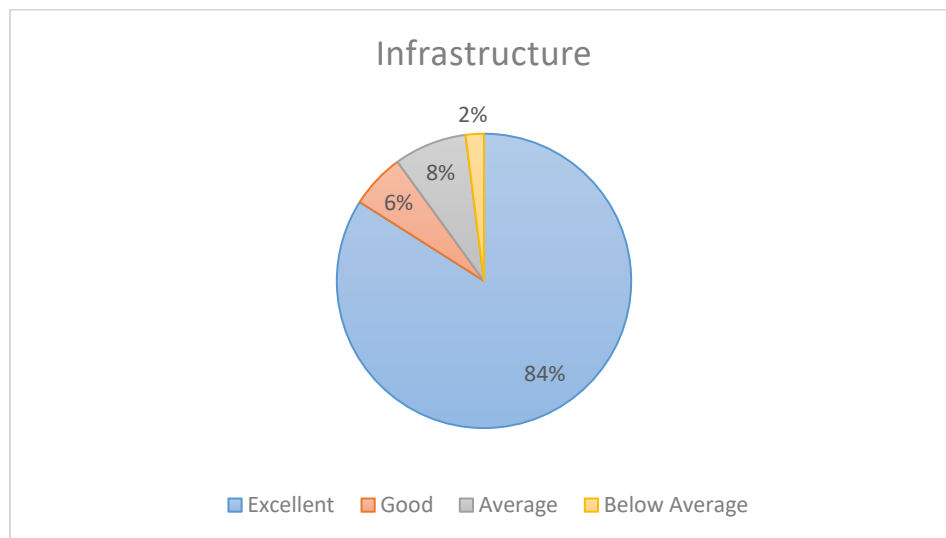


Figure 1: Infrastructure

Analysis of figure 1 reflects that the infrastructure of the institute was extremely well taken by the alumni and hence the feedback was excellent.

#### **Question No 2 and 3 in feedback form: How do you rate Syllabus in preparing you for a Job/Higher Studies?**

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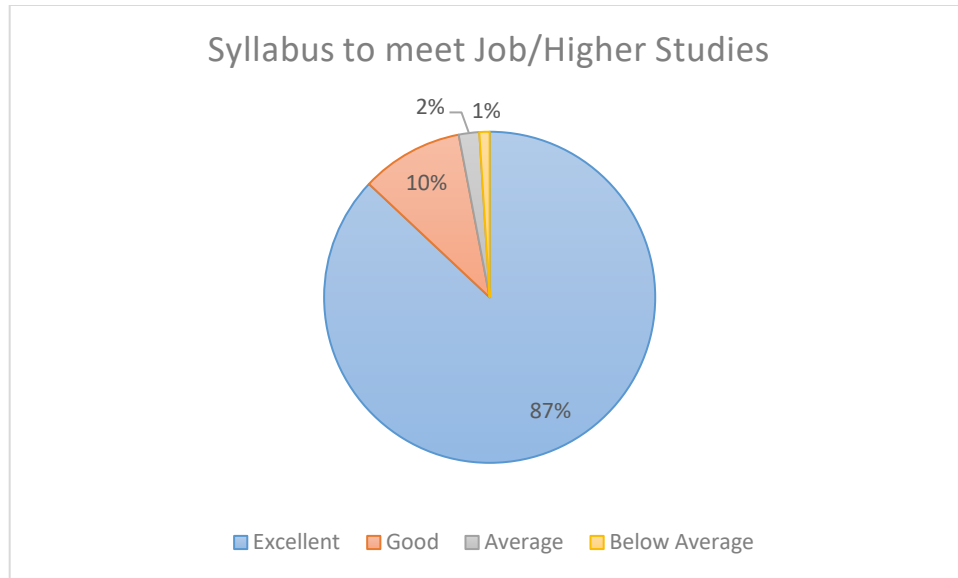


Figure 2: Syllabus to meet Job/Higher Studies

Analysis of figure 2 shows that even though majority of the alumni were satisfied with the syllabus content still to make the student industry ready/higher studies, they should pursue industry certification, trainings, and MOOC sessions.

**Question No 4 in feedback form: Did you attend industry training/internship to prepare for industry job?**

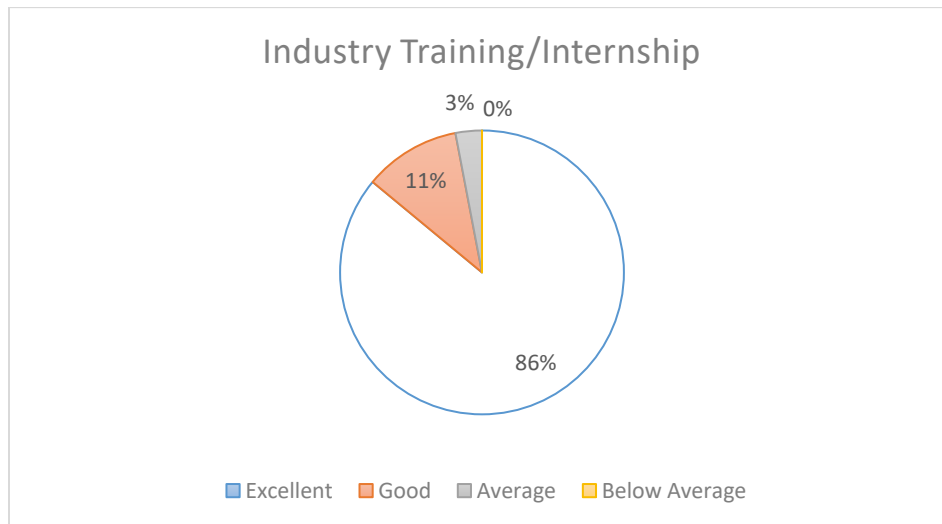


Figure 3: Industry Training/Internship for Job

One of the salient features of the institute is that major stress is given on training internship to make the student placement ready. This is beyond the syllabus activity and hence the placement trace records were satisfactory.

**Question No 5 in feedback form: Rate the various curricular, co-curricular and extra-curricular activities, during your course of study, in the Institute.**

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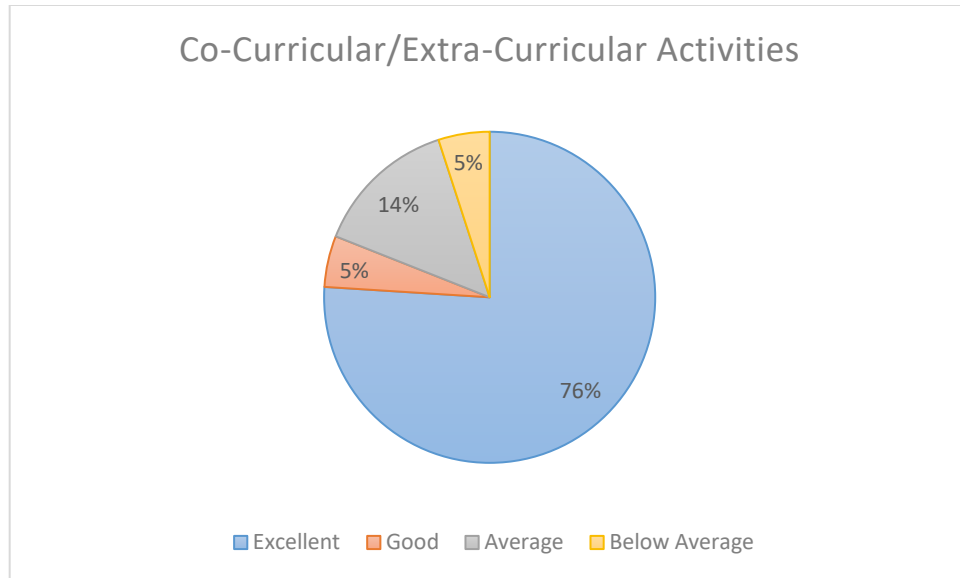


Figure 4: Co-Curricular/Extra-Curricular Activity

Majority of the alumni were extremely satisfied with the Co-Curricular/Extra-Curricular activity conducted by the institute.

**Actions taken** – Institute is about to involve few alumni for expert lectures so that they can tell the students about latest corporate need and ethics.

### **Result Analysis and Action Taken**

Due to COVID all students were promoted.

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