आईएफटीएम विश्वविद्यालय, मुरादाबाद, उत्तर प्रदेश
**IFTM University, Moradabad, Uttar Pradesh**
**NAAC ACCREDITED**

# CURRICULUM FEEDBACK REPORT
# SCHOOL OF SCIENCES
# 2022-23

# RESEARCH METHODOLOGY

**Data Type:**            Primary

**Data Collection Tool:**  Survey (Online)

**Sample Size:**          146

**Sample Frame:**         Students of IFTM University studying in 2022-23 in School of Sciences

**Sampling:**             Probability Sampling

**Questionnaire:**        5-point Likert scale (with 5 being most satisfied and 1 being least satisfied)

Curriculum adopted by a university provides not only a structure for teaching; instead, it's a measurable plan. It helps quantify the efforts being put by all the stake holders of the ecosystem. Its acceptance amongst all the stakeholders and suitability is a pre requisite to the ultimate purpose of learning and development, at the University.

To bridge any gap between the expectations and the perception in regards to the curriculum, an annual survey is conducted for all the key stakeholders' viz. students, teachers, alumni and employers.

# SECTION – STUDENTS

For students, the questionnaire captured responses on 3 themes viz.:

1. Acceptance of curriculum amongst students
2. Perceived relevance of the curriculum
3. Availability and acceptance of support material for subjects (curriculum)
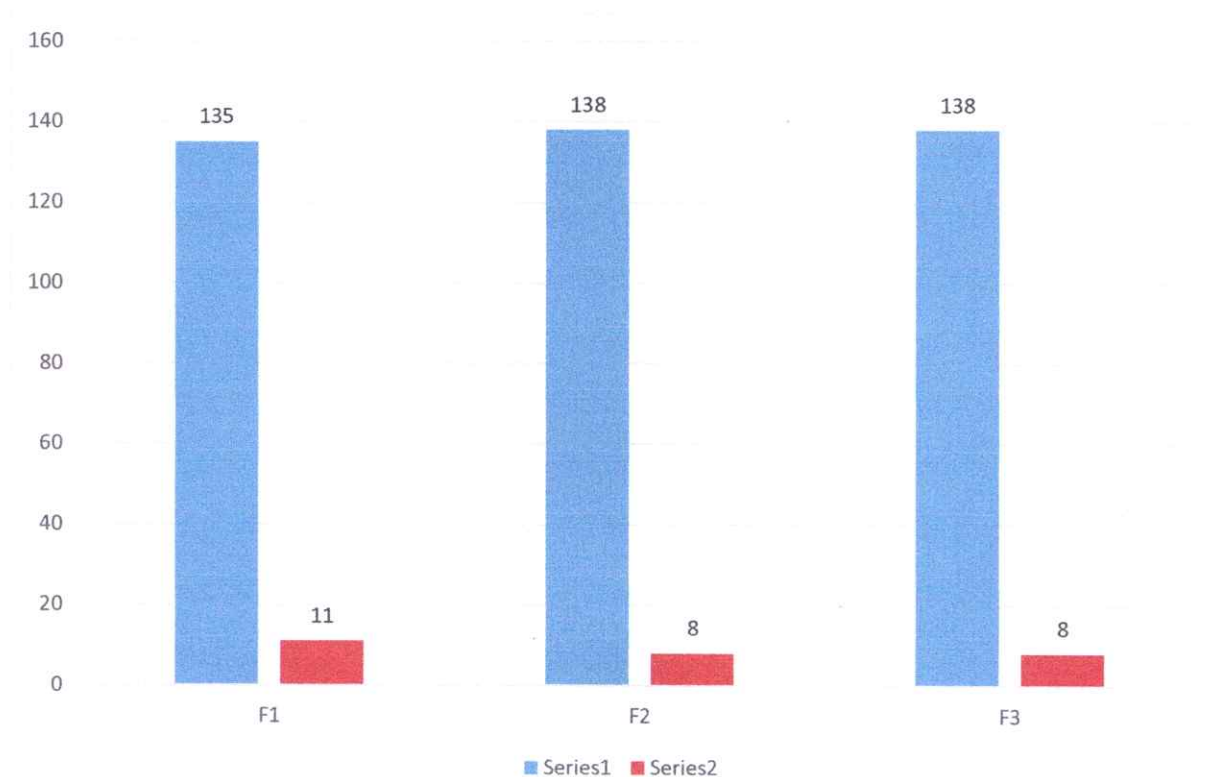
## ACCEPTANCE OF CURRICULUM AMONGST STUDENTS –

1. F1: I found the curriculum easy and interesting
2. F2: The instructions given in the curriculum is easy to follow
3. F3: The syllabus has good balance between theory and practical exercises

| | ACCEPTANCE | | |
|---|---|---|---|
| | **F1** | **F2** | **F3** |
| **Yes** | 135 | 138 | 138 |
| **No** | 11 | 8 | 8 |
| **Total Responses** | 146 | 146 | 146 |
| **Yes %** | 92 | 95 | 95 |
| **No %** | 8 | 5 | 5 |

92% of the respondents found the curriculum easy, which indicates that the curriculum is designed well according to the aptitude level of the students at large. 95% of the respondents found it easy to follow the instructions given in the curriculum.
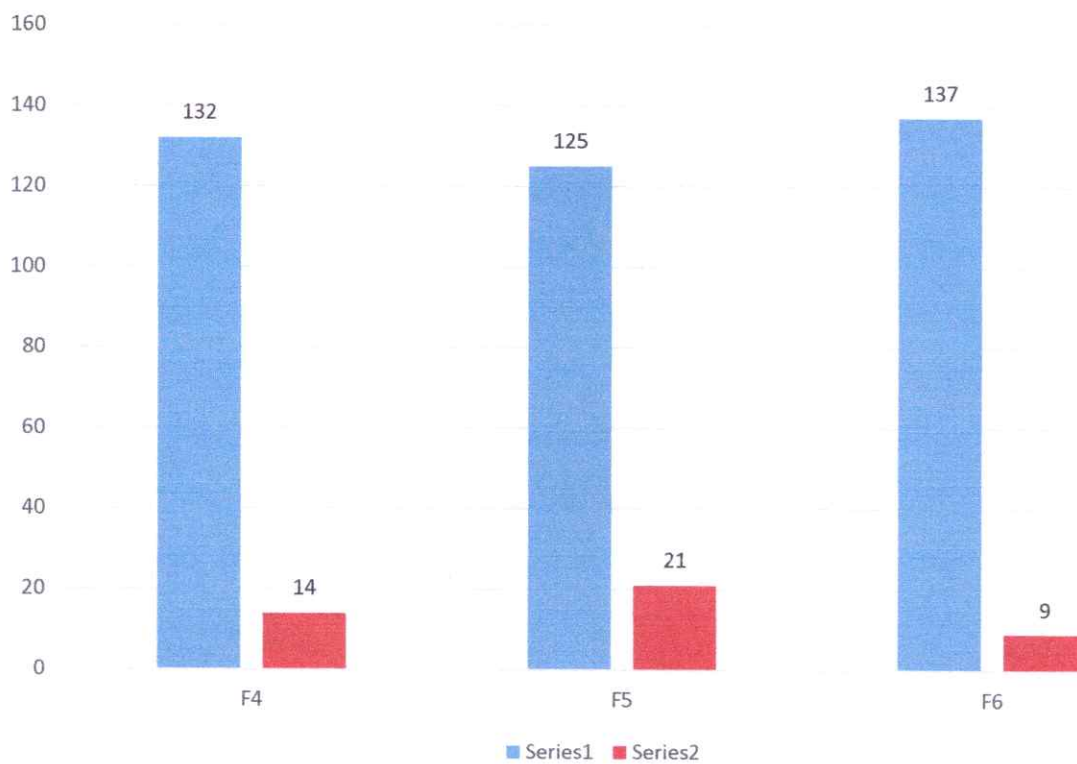
## PERCEIVED RELEVANCE OF THE CURRICULUM –

4. F4: The subjects are relevant to my future job aspirations
5. F5: The subjects are very practical and seems applicable in daily life
6. F6: The course has helped me develop my personality

| | PERCEIVED RELEVANCE | | |
| --- | --- | --- | --- |
| | F4 | F5 | F6 |
| Yes | 132 | 125 | 137 |
| No | 14 | 21 | 9 |
| Total Responses | 146 | 146 | 146 |
| Yes % | 90 | 86 | 94 |
| No % | 10 | 14 | 6 |

14% of the respondents opined that the subjects they studied were not practical and relevant to their future job aspirations.

While responses reflect the acceptance, usefulness and contemporary nature of the curriculum at the university; it also highlights the areas for further improvement.
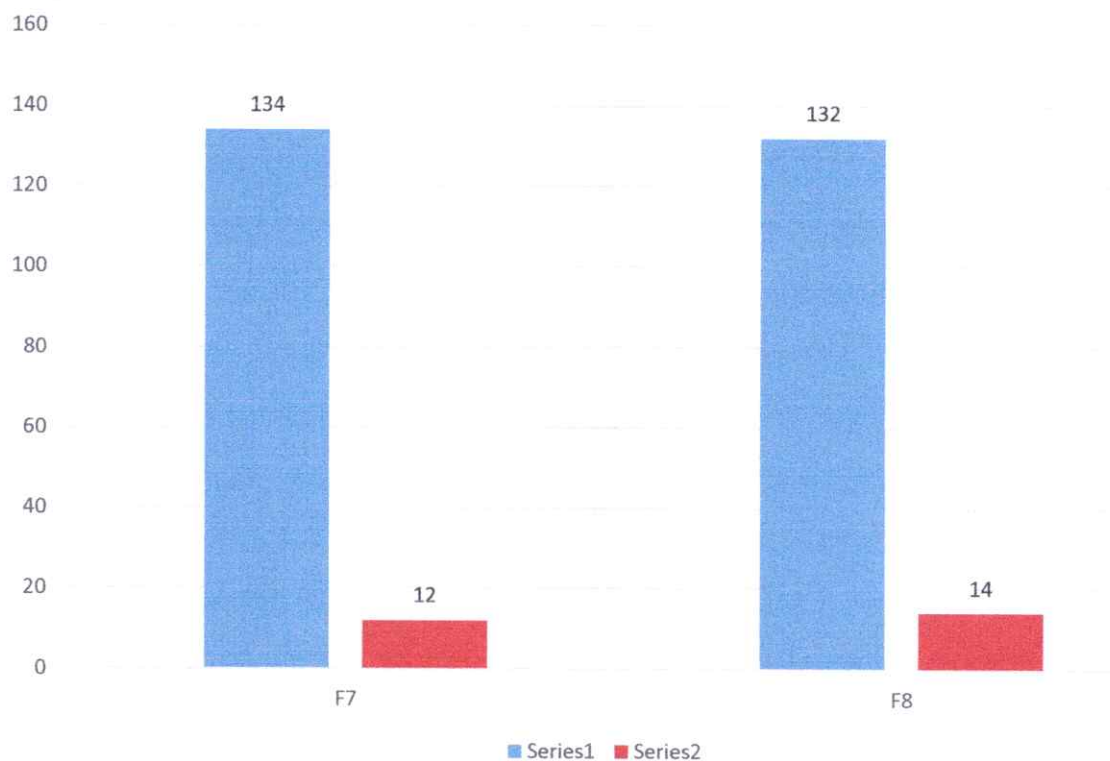
## SUPPORT MATERIAL FOR SUBJECTS (CURRICULUM) –

7. F7: The reading material and references of the subject are easily available
8. F8: Course content is followed by corresponding reference materials?
9. F9: What other changes would you like to suggest improving the curriculum / course'?

| | SUPPORT MATERIAL | |
| --- | --- | --- |
| | F7 | F8 |
| Yes | 134 | 132 |
| No | 12 | 14 |
| Total Responses | 146 | 146 |
| Yes % | 92 | 90 |
| No % | 8 | 10 |

While, 90% of the respondents opined that they were provided with the reference material, 92% of the students shared that the required reading material is ubiquitously available.



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# SECTION – TEACHERS

# RESEARCH METHODOLOGY

**Data Type:**            Primary

**Data Collection Tool:**    Survey (Online)

**Sample Size:**          66

**Sample Frame:**         Teachers of IFTM University in 2022-23 in School of
                          Sciences

**Sampling:**             Probability Sampling

**Questionnaire:**        5-point Likert scale (with 5 being most satisfied and 1 being least
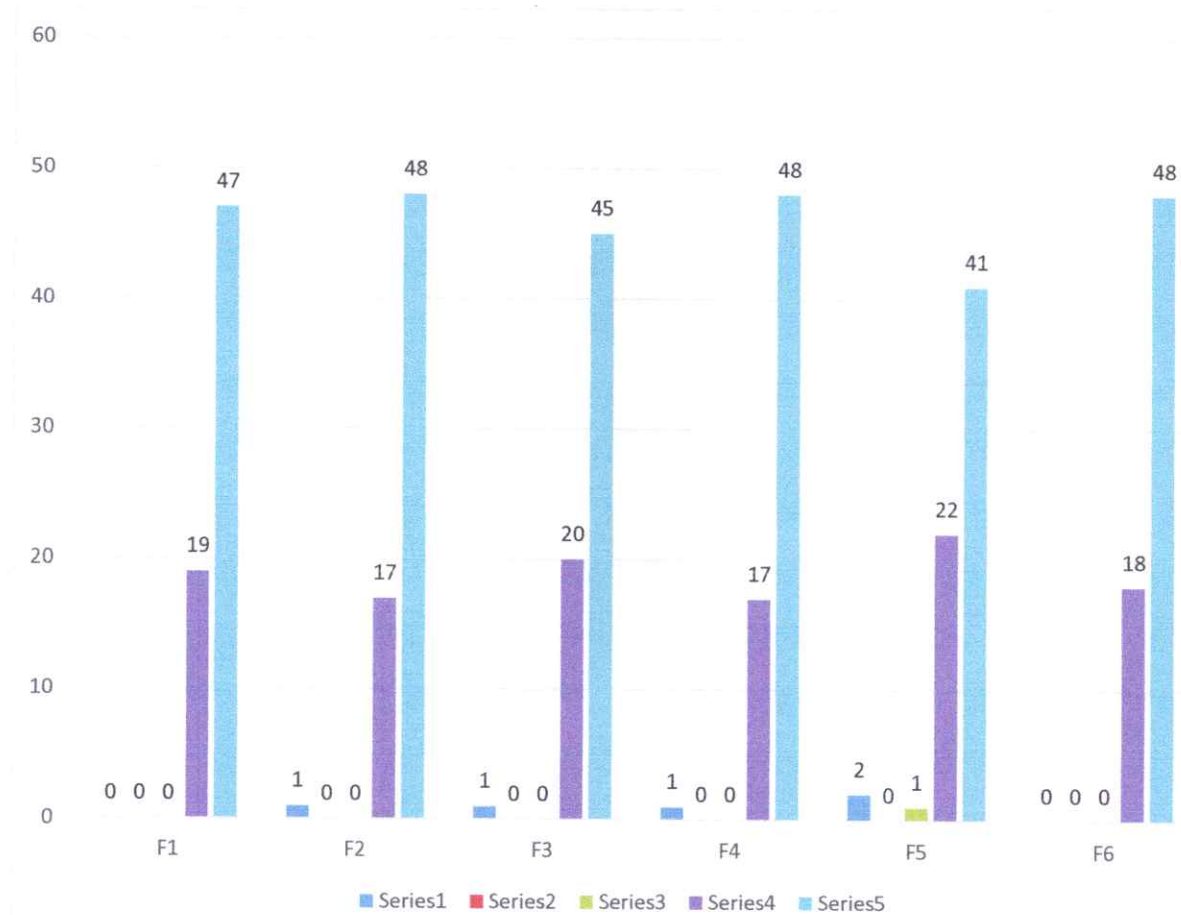                          satisfied)

For teachers, the questionnaire captures responses in the following areas:

a. *F1: Syllabus is suitable to the course*
b. *F2: Syllabus is need based*
c. *F3: Aims and objectives of the syllabi are well defined and clear to teachers and students*
d. *F4: The course/syllabus has good balance between theory and application.*
e. *F5: The course/syllabus has made me interested in the subject area.*
f. *F6: The course/syllabus of this subject increased my knowledge and perspective in the subject area*

| SYLLABUS / CURRICULUM | | | | | | | |
|---|---|---|---|---|---|---|---|
| | F1 | F2 | F3 | F4 | F5 | F6 | Average Rating |
| 1 | 0 | 1 | 1 | 1 | 2 | 0 | |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 3 | 0 | 0 | 0 | 0 | 1 | 0 | 5 |
| 4 | 19 | 17 | 20 | 17 | 22 | 18 | |
| 5 | 47 | 48 | 45 | 48 | 41 | 48 | |
| Average Rating | 5 | 5 | 5 | 5 | 5 | 5 | |
| No. of Participants in the survey | 66 | 66 | 66 | 66 | 66 | 66 | |
| % of teachers satisfied | 100 | 98 | 98 | 98 | 97 | 100 | |
| % of teachers dissatisfied | 0 | 2 | 2 | 2 | 3 | 0 | |

Chart showing responses for F1–F6 with Series1–Series5:
- F1: 0, 0, 0, 19, 47
- F2: 1, 0, 0, 17, 48
- F3: 1, 0, 0, 20, 45
- F4: 1, 0, 0, 17, 48
- F5: 2, 0, 1, 22, 41
- F6: 0, 0, 0, 18, 48

■ Series1   ■ Series2   ■ Series3   ■ Series4   ■ Series5

All the respondents found the syllabus suitable to the course and need based. Most of the respondents agreed that the aims and objectives of syllabi are well defined and clear to both teachers and students. 98% teachers agreed that the syllabus is well curated with a good balance between theory and practice. 97% agreed that the syllabus has made them inquisitive and interested in their respective subjects.

# SECTION – ALUMNI

# RESEARCH METHODOLOGY

**Data Type:** Primary

**Data Collection Tool:** Survey (Online)

**Sample Size:** 35

**Sample Frame:** Students of IFTM University who passed out of the University before 2022-23 in School of Sciences

**Sampling:** Non-Probability Sampling

**Questionnaire:** 5-point Likert scale (with 5 being most satisfied and 1 being least satisfied)
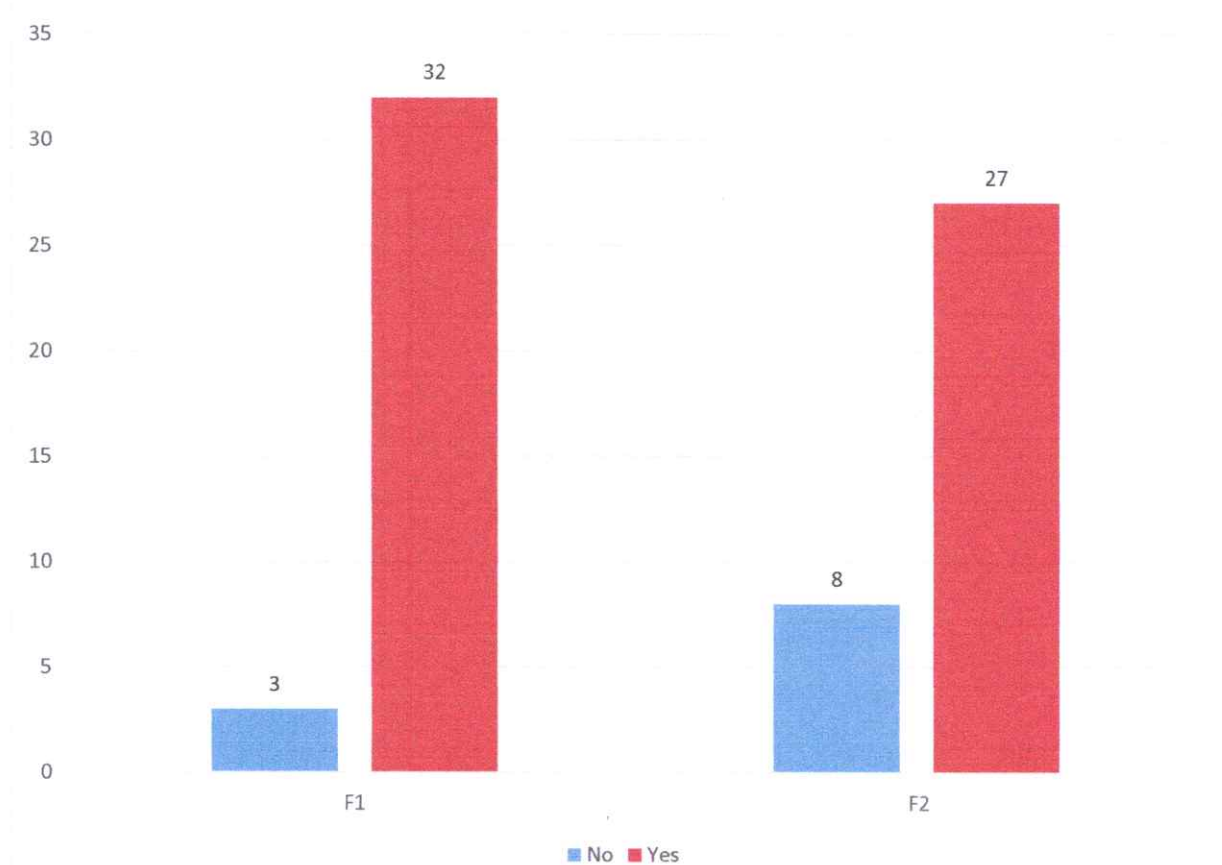
The responses of the alumni are likely to be free of any biases of any kind. To capture the responses of these erstwhile students of the University, an online survey is conducted every year. Amongst the many other dimensions, curriculum stands as the most important one.

The former students were asked dichotomous questions about:

a. *F1: Have you obtained sufficient know-how (both in theory and practice) at IFTMU?*
b. *F2: Is the education imparted at IFTMU useful and relevant in your present job?*

|  | No | Yes | Grand Total | Agreed Percentage | Disagreed Percentage |
|---|---|---|---|---|---|
| F1 | 3 | 32 | 35 | 91 | 9 |
| F2 | 8 | 27 | 35 | 77 | 23 |

The survey revealed that almost all the responding alumni were contented with the curriculum content. However, 23% of them opined that the knowledge they acquired is not much relevant to their current vocation.
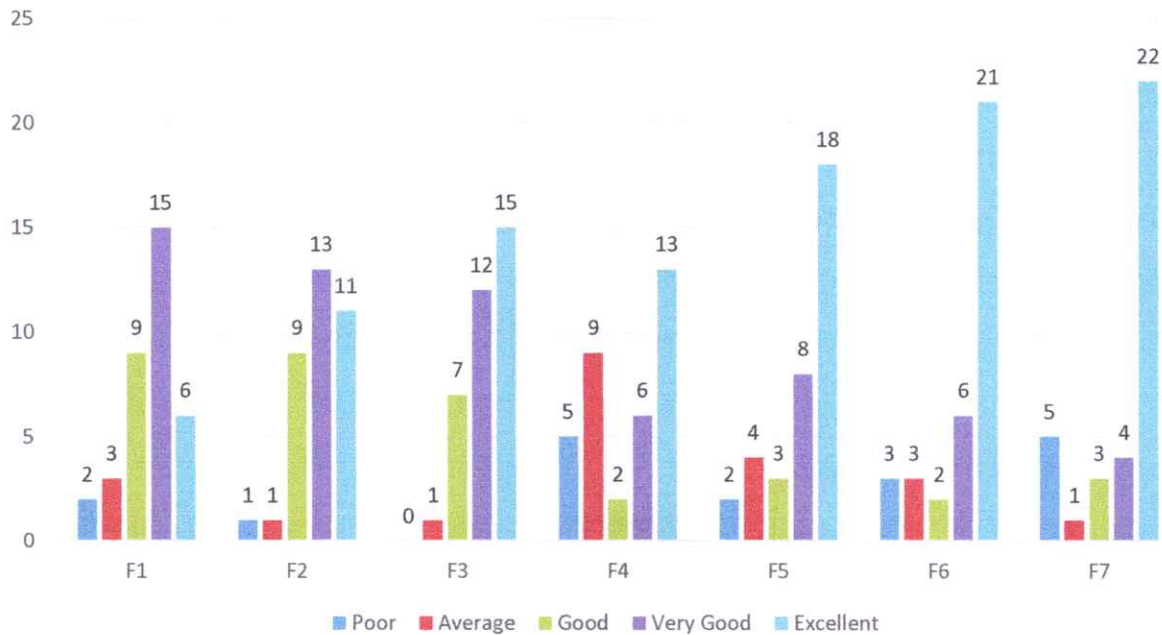
To understand the scenario better, some responses were sought on a 5-point scale, viz. for the factors:

a. F1: Significance of the course(s) that you learnt in relation to your current job
b. F2: Learning experience in terms of their relevance to the real-life application
c. F3: Professional courses and their suitability to the industry
d. F4: Industry Oriented Projects (if applicable)
e. F5: Seminars & Workshop
f. F6: Guest Lectures
g. F7: Special Training Classes for bridging Industry/Academic gap

|     | Poor | Average | Good | Very Good | Excellent | Grand Total | Satisfied Percentage | Not Satisfied Percentage |
|-----|------|---------|------|-----------|-----------|-------------|----------------------|--------------------------|
| F1  | 2    | 3       | 9    | 15        | 6         | 35          | 86                   | 14                       |
| F2  | 1    | 1       | 9    | 13        | 11        | 35          | 94                   | 6                        |
| F3  | 0    | 1       | 7    | 12        | 15        | 35          | 97                   | 3                        |
| F4  | 5    | 9       | 2    | 6         | 13        | 35          | 60                   | 40                       |
| F5  | 2    | 4       | 3    | 8         | 18        | 35          | 83                   | 17                       |
| F6  | 3    | 3       | 2    | 6         | 21        | 35          | 83                   | 17                       |
| F7  | 5    | 1       | 3    | 4         | 22        | 35          | 83                   | 17                       |

It was learnt that industry-oriented projects along with seminars, workshops & special training classes need remedial measures to meet the industry requirement.



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To evaluate the performance on this parameter of Program Educational Objectives, questions were asked in reference to 5 factors viz.
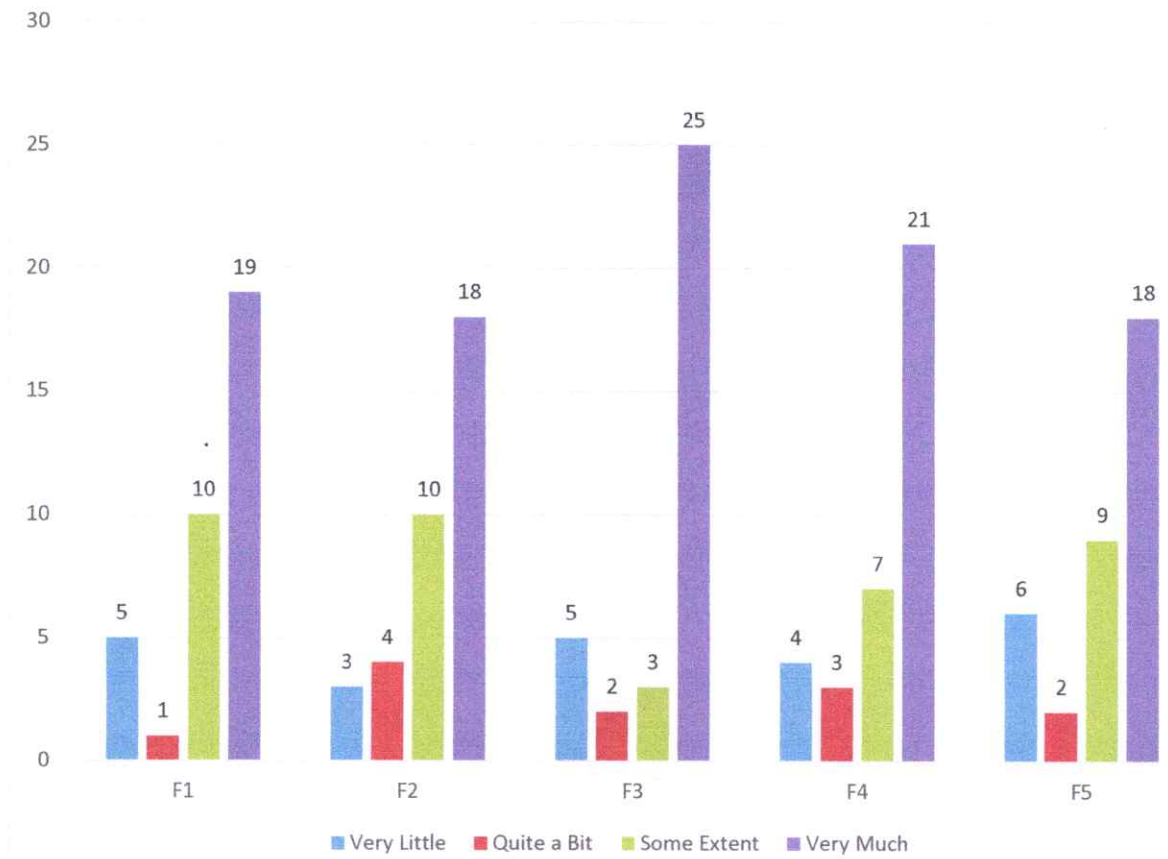
1. F1: Preparation: To educate students for graduate and postgraduate programs and to help them succeed in their chosen/ related fields.
2. F2: Core Competence: To provide students with sound knowledge in their chosen area.
3. F3: Breadth: To train students with knowledge relating to an array of professional fields undertaken so as to comprehend, analyze, design, and create innovative products and find solutions to improve the quality of life
4. F4: Professionalism: To create professionally superior and ethically strong global manpower and to uphold moral values. With effective communication skills, teamwork skills, multidisciplinary approach, and an ability to improve the quality of life.
5. F5: Learning Environment: To create an intellectual environment for research and development aware of emerging technologies leading to continual learning needed for a successful professional career, to create a center of excellence develop technocrats and business leaders.

Majority of the students agreed that the educational program of the University has helped them succeed in their chosen field. 91% respondents agreed that they got to develop core competency in the chosen subject area and they have sound knowledge of it. 83% of the respondents have rated the University high for the environment it provides. They feel that it has helped them become successful professionals.

However, 17% respondents also felt that the University should help them gather knowledge about the various professional fields they may choose to pursue their career.

|  | Very Little | Quite a Bit | Some Extent | Very Much | Total Responses | Satisfied Percentage | Not Satisfied Percentage |
|---|---|---|---|---|---|---|---|
| F1 | 5 | 1 | 10 | 19 | 35 | 86 | 14 |
| F2 | 3 | 4 | 10 | 18 | 35 | 91 | 9 |
| F3 | 5 | 2 | 3 | 25 | 35 | 86 | 14 |
| F4 | 4 | 3 | 7 | 21 | 35 | 89 | 11 |
| F5 | 6 | 2 | 9 | 18 | 35 | 83 | 17 |

# SECTION – EMPLOYER
# (INDUSTRY)

The technical skills demonstrated by the employed / professionals at workplace is a very important indicator of the quality and sufficiency of the curriculum. Responses were sought on the following parameters:

a. *F1: Technical knowledge/skill*
b. *F2: Using technology and workplace equipment.*
c. *F3: Developing practical solutions to work place problems*
d. *F4: Innovativeness and creativity*

No responses were received from the concerned employers.

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NAAC ACCREDITED

# STUDENT FEEDBACK REPORT
## SCHOOL OF SCIENCES
## 2022-23

# SECTION – FACILITIES

# RESEARCH METHODOLOGY

**Data Type:**                    Primary

**Data Collection Tool:**         Survey (Online)

**Sample Size:**                  166

**Sample Frame:**                 Students of IFTM University studying in 2022-23 in School of Sciences

**Sampling:**                     Probability

**Questionnaire:**                5-point Likert scale (with 5 being most satisfied and 1 being least satisfied)

In its pursuit of excellence, IQAC at IFTM University conducts a student survey every year; to learn about any scope of improvement in its functioning.

The student responses are sought in the following 5 areas viz.

1. Library
2. Institutional Facilities
3. Examination & Evaluation
4. Placement Cell
5. Student Support

Performance in these areas gets measured through responses given to specific questions (factors) in the questionnaire (Student Survey). In 2022-23, 1984 students participated in the survey. Out of these 166 responses were from School of Sciences. The findings of the survey on the above mentioned 5 areas are presented in the following section.
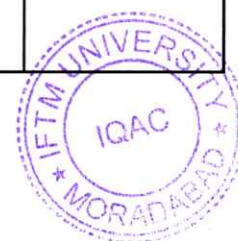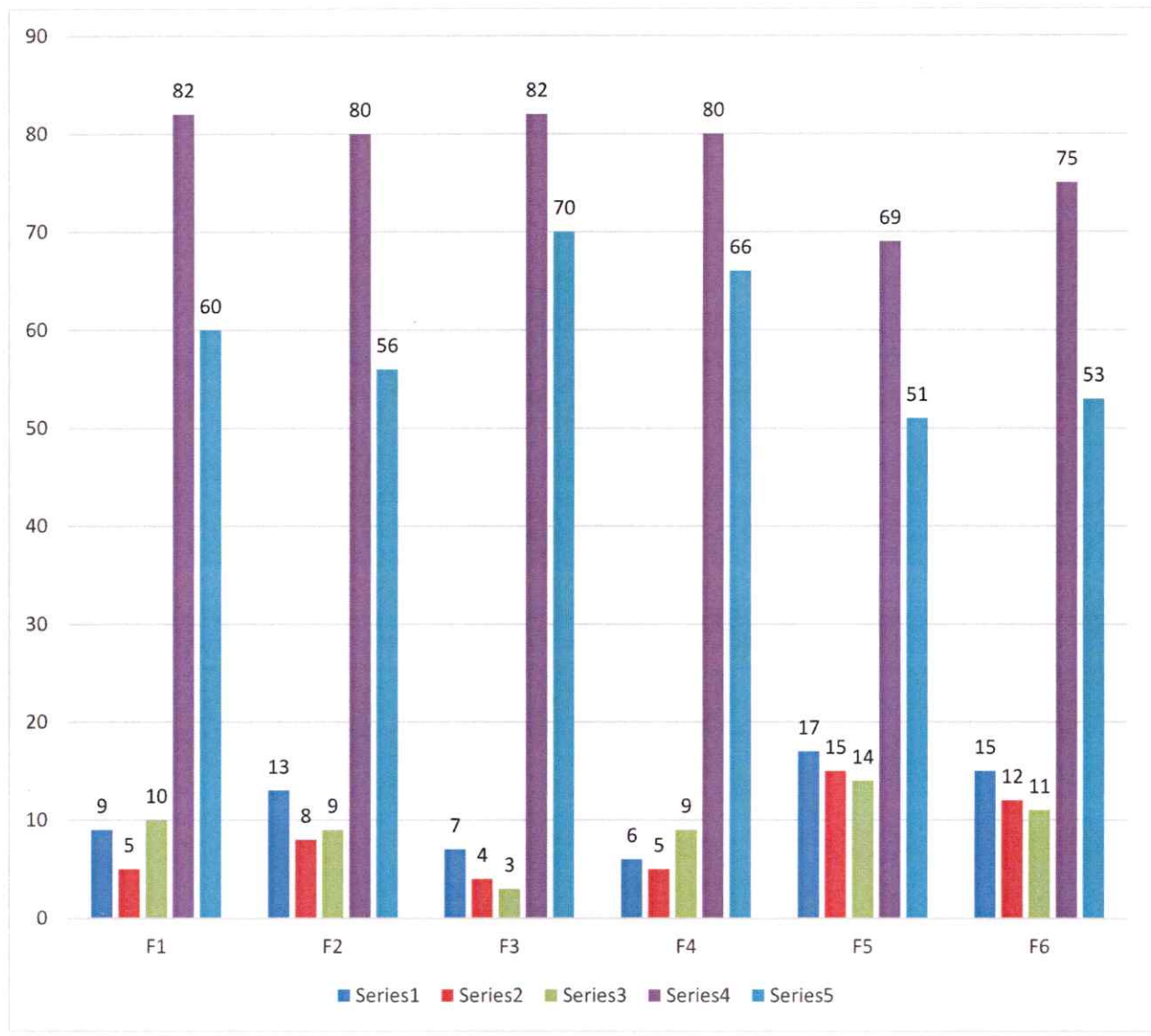
## LIBRARY

Library is the epicenter of knowledge in any academic institute. It provides its users place to brain storm and learn. The effectiveness of library facility was measured through the following factors.

1. F1: The prescribed books/reading materials are available in the library.
2. F2: Reading room and common room are available in the faculty/college building
3. F3: Available reading space in library is satisfactory
4. F4: The library staff are cooperative and helpful
5. F5: Photocopying facility in the library/Department is available and satisfactory
6. F6: Online educational resources are available and accessible

19% respondents felt that reprography services in library need improvement. The survey also revealed that 16% of the respondents were found having difficulty in assessing the available online educational resources.

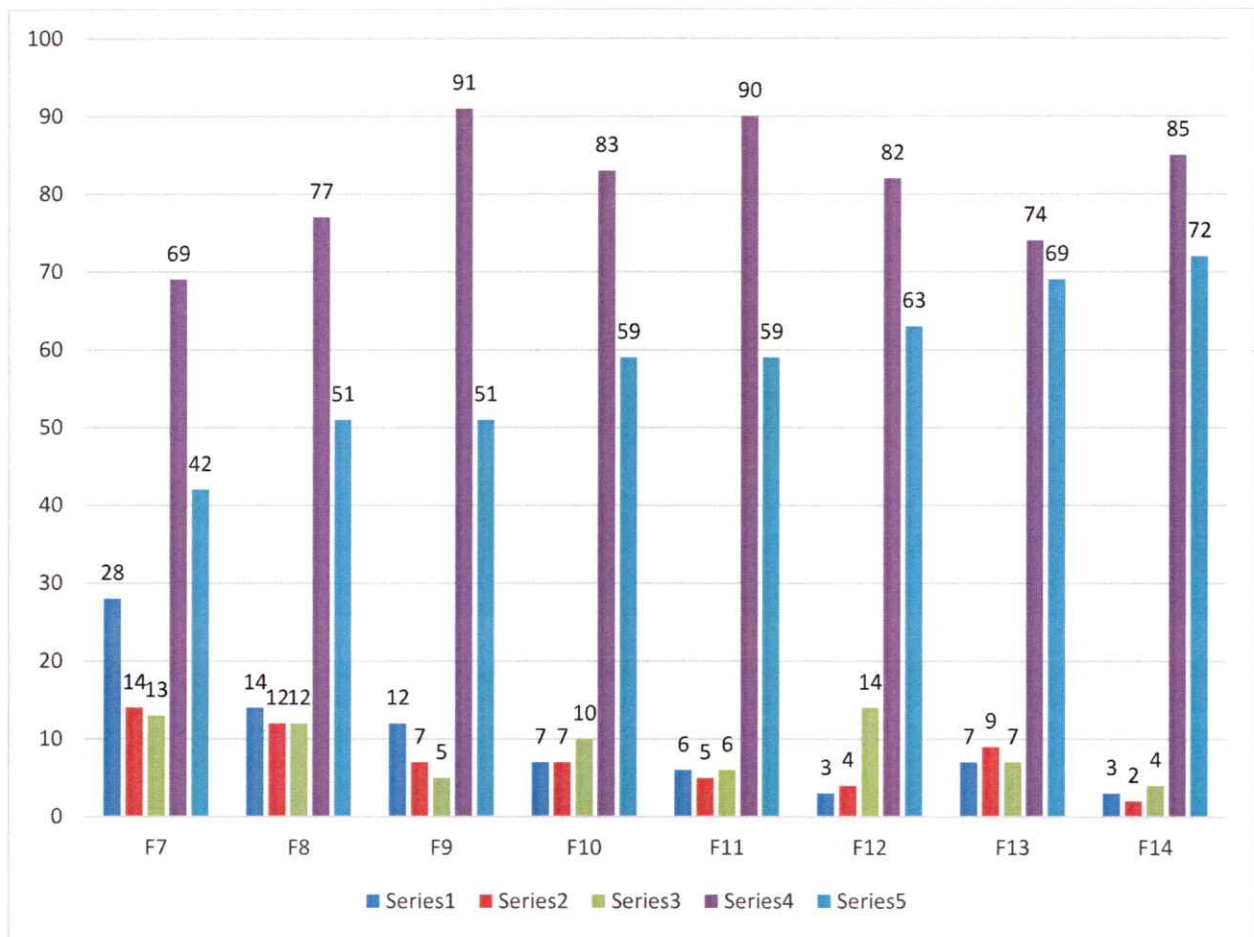| LIBRARY | | | | | | | |
|---|---|---|---|---|---|---|---|
| Ratings | F1 | F2 | F3 | F4 | F5 | F6 | Cumulative Rating |
| 1 | 9 | 13 | 7 | 6 | 17 | 15 | |
| 2 | 5 | 8 | 4 | 5 | 15 | 12 | |
| 3 | 10 | 9 | 3 | 9 | 14 | 11 | |
| 4 | 82 | 80 | 82 | 80 | 69 | 75 | 4 |
| 5 | 60 | 56 | 70 | 66 | 51 | 53 | |
| Average Rating | 4 | 4 | 4 | 4 | 4 | 4 | |
| No. of Participants in the survey | 166 | 166 | 166 | 166 | 166 | 166 | |
| % of students satisfied | 92 | 87 | 93 | 93 | 81 | 84 | |
| % of students dissatisfied | 8 | 13 | 7 | 7 | 19 | 16 | |

## INSTITUTIONAL FACILITIES

The institutional facilities provide students an environment conducive to learning and help them realize their true potential. The performance on this parameter was measured through various factors viz.

1. F7: Internet facilities are available in the department
2. F8: Toilets/washrooms are hygienic and properly maintained.
3. F9: Clean drinking water is available in the department and on the campus
4. F10: Equipment in the lab(s) is in working condition.
5. F11: The campus is green and Eco friendly
6. F12: The buildings/classrooms are accessible to differently abled persons.
7. F13: The classrooms are clean and well maintained
8. F14: The campus has adequate power supply.

Out of 166 respondents, 96% agreed that the department is assessable to the differently abled people. 97% of respondents also agreed that the university campus has adequate power supply. However, 25% of the respondents viewed internet connectivity at their respective departments as not satisfactory. 16% of the respondents also felt that more cleanliness and hygiene is required to be maintained in the wash rooms.

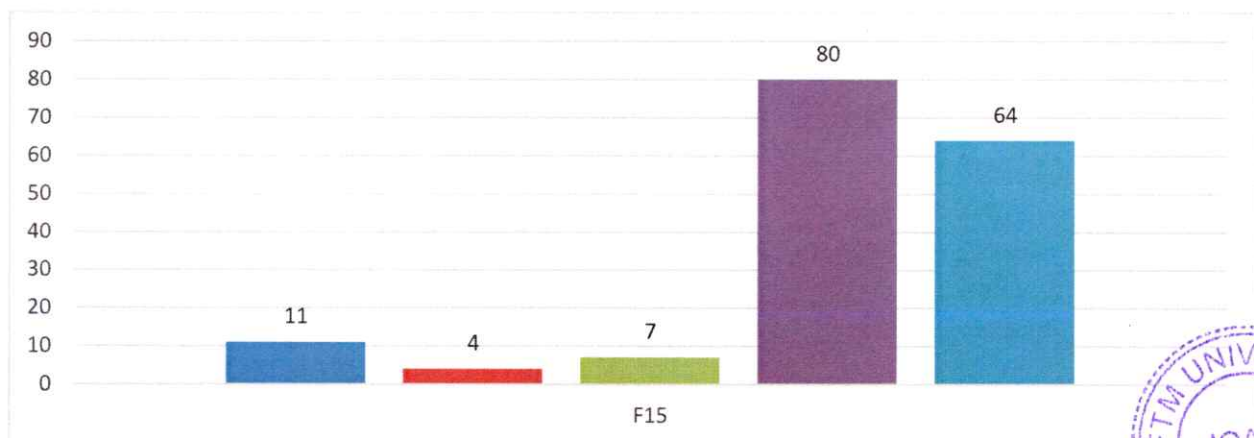| INSTITUTIONAL FACILITIES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Ratings | F7 | F8 | F9 | F10 | F11 | F12 | F13 | F14 | Cumulative Rating |
| 1 | 28 | 14 | 12 | 7 | 6 | 3 | 7 | 3 | |
| 2 | 14 | 12 | 7 | 7 | 5 | 4 | 9 | 2 | |
| 3 | 13 | 12 | 5 | 10 | 6 | 14 | 7 | 4 | |
| 4 | 69 | 77 | 91 | 83 | 90 | 82 | 74 | 85 | 4 |
| 5 | 42 | 51 | 51 | 59 | 59 | 63 | 69 | 72 | |
| Average Rating | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| No. of Participants in the survey | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | |
| % of students satisfied | 75 | 84 | 89 | 92 | 93 | 96 | 90 | 97 | |
| % of students dissatisfied | 25 | 16 | 11 | 8 | 7 | 4 | 10 | 3 | |

## EXAMINATION & EVALUATION

Examination and its evaluation were measured with the help of following factor.

1. F15: Results and attendance records are displayed on time

91% of the respondents agreed that the results and attendance records are displayed on time. The average rating for this factor was 4.

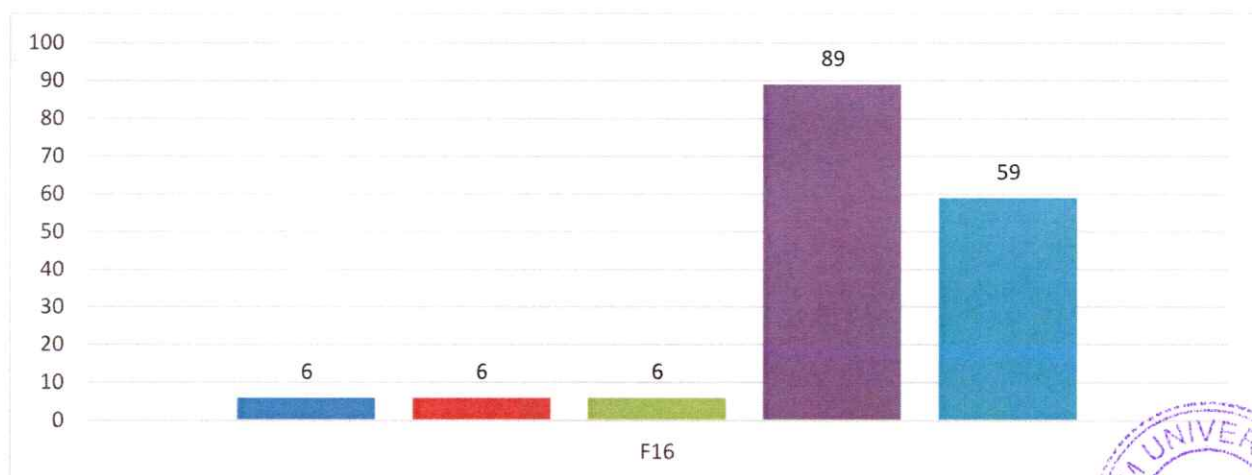| EXAMINATION & EVALUATION | | |
|---|---|---|
| Ratings | F15 | Cumulative Rating |
| 1 | 11 | |
| 2 | 4 | |
| 3 | 7 | 4 |
| 4 | 80 | |
| 5 | 64 | |
| Average Rating | 4 | |
| No. of Participants in the survey | 166 | |
| % of students satisfied | 91 | |
| % of students dissatisfied | 9 | |

## PLACEMENT CELL

The performance of placement cell and its functioning was found satisfactory by 93% of the respondents. The average rating being given to the university on this parameter was 4.

Student's perception and experience with the placement cell was sought.

1. F16: The functioning of the placement cell(s) in the university/department is satisfactory.

| PLACEMENT CELL | | |
|---|---|---|
| **Ratings** | **F16** | **Cumulative Rating** |
| 1 | 6 | |
| 2 | 6 | |
| 3 | 6 | 4 |
| 4 | 89 | |
| 5 | 59 | |
| **Average Rating** | 4 | |
| **No. of Participants in the survey** | 166 | |
| **% of students satisfied** | 93 | |
| **% of students dissatisfied** | 7 | |

## STUDENT SUPPORT

Though university aims to facilitate its students proactively, it may happen that students have some grievances and suggestions. To get their concerns addressed, they may require meeting functionaries across departments.
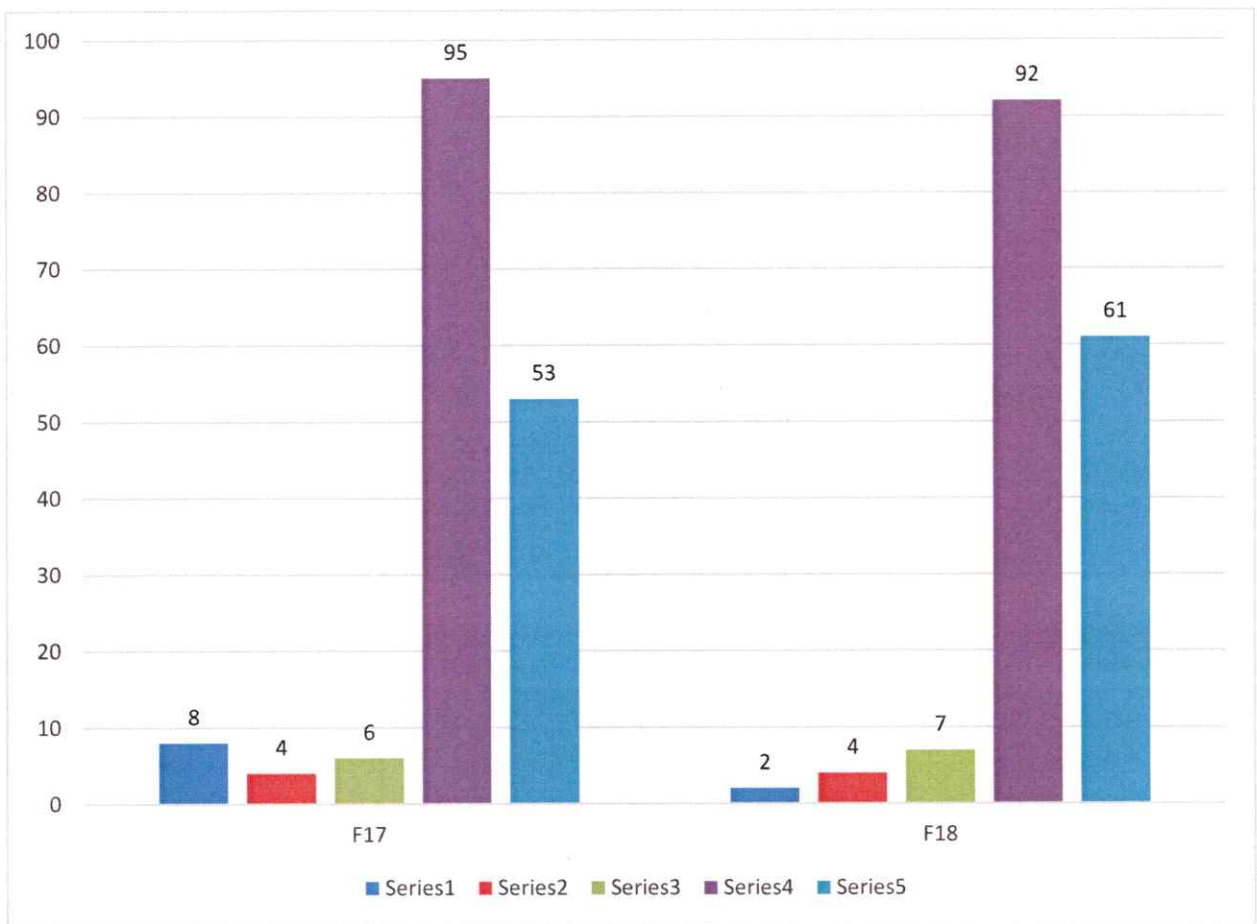
To measure performance in this area, responses were sought on the following factors –

1. F17: The office staff in the department is helpful.
2. F18: Grievances/problems are redressed/ solved well in time.

93% of the respondents found their interaction with office staff as helpful.

| STUDENT SUPPORT | | | |
|---|---|---|---|
| Ratings | F17 | F18 | Cumulative Rating |
| 1 | 8 | 2 | |
| 2 | 4 | 4 | |
| 3 | 6 | 7 | 4 |
| 4 | 95 | 92 | |
| 5 | 53 | 61 | |
| Average Rating | 4 | 4 | |
| No. of Participants in the survey | 166 | 166 | |
| % of students satisfied | 93 | 96 | |
| % of students dissatisfied | 7 | 4 | |

# SECTION – TEACHING & EVALUATION

# RESEARCH METHODOLOGY

**Data Type:**     Primary

**Data Collection Tool:**  Survey (Online)

**Sample Size:**    176

**Sample Frame:**    Students of IFTM University studying in 2022-23 in School of Sciences

**Sampling:**     Probability

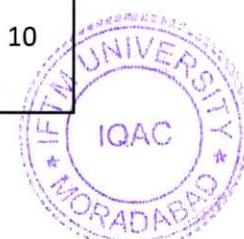**Questionnaire:**    5-point Likert scale (with 5 being most satisfied and 1 being least satisfied)

Teaching and evaluation of students are at the core of any academic institute. It helps in bringing the desired change in the students and helps them contribute in making society a better place. To learn about the performance in these two areas, a questionnaire was prepared and administered through a survey.
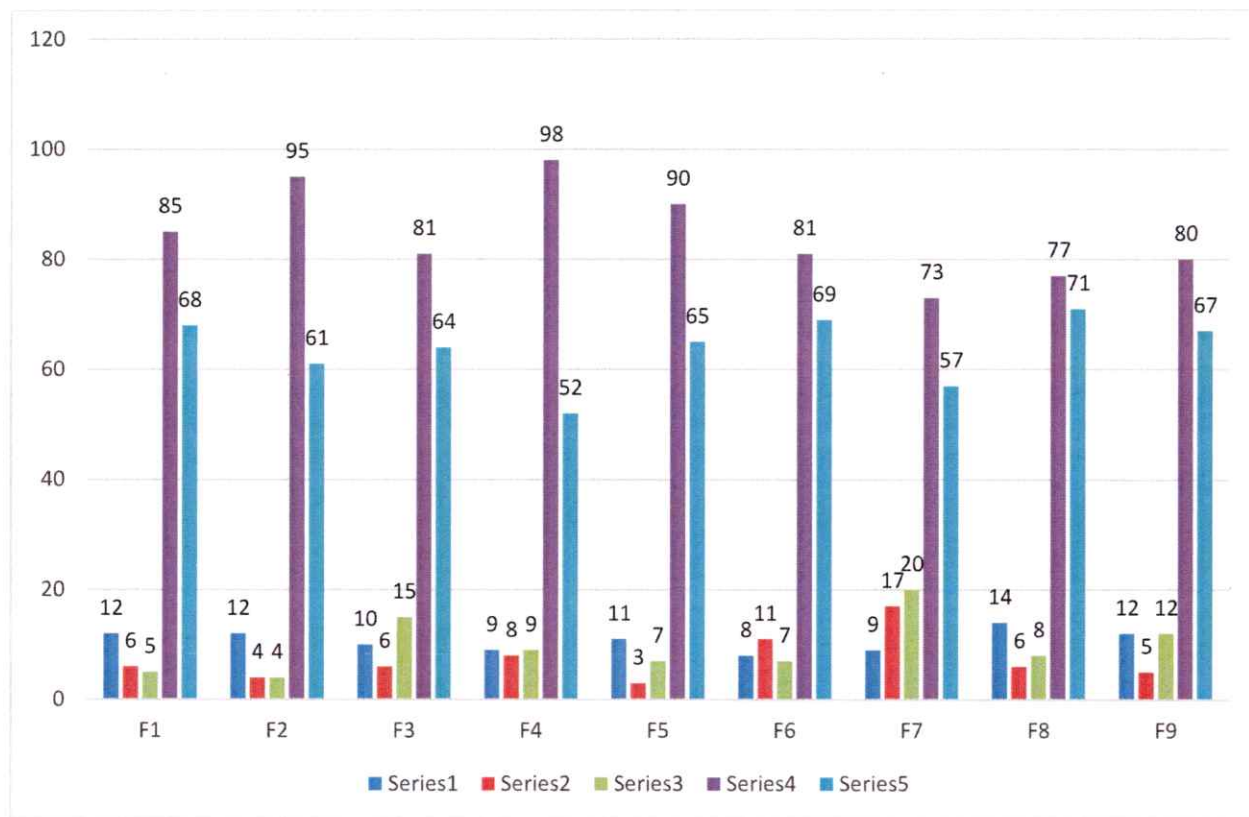
## TEACHING

Performance on teaching was evaluated through following 9 factors –
1. F1: The teacher is punctual in the class.
2. F2: The teacher comes well prepared for the lecture
3. F3: The teacher communicates clearly and inspires me by his/ her teaching.
4. F4: The teacher completes the entire syllabus in time.
5. F5: The teacher discusses topics and interacts in the class
6. F6: The teacher encourages for participation and discussion in class.
7. F7: The teacher uses modern teaching aids, handouts, suitable references, power-point presentations (PPT), web-resources, etc.
8. F8: The teacher's attitude towards the students is friendly & helpful.
9. F9: The teacher is available and accessible in Department.

| TEACHING | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Ratings | F1 | F2 | F3 | F4 | F5 | F6 | F7 | F8 | F9 | Average Rating |
| 1 | 12 | 12 | 10 | 9 | 11 | 8 | 9 | 14 | 12 | |
| 2 | 6 | 4 | 6 | 8 | 3 | 11 | 17 | 6 | 5 | |
| 3 | 5 | 4 | 15 | 9 | 7 | 7 | 20 | 8 | 12 | |
| 4 | 85 | 95 | 81 | 98 | 90 | 81 | 73 | 77 | 80 | 4 |
| 5 | 68 | 61 | 64 | 52 | 65 | 69 | 57 | 71 | 67 | |
| Average Rating | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| No. of Participants in the survey | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | |
| % of students satisfied | 90 | 91 | 91 | 90 | 92 | 89 | 85 | 89 | 90 | |
| % of students dissatisfied | 10 | 9 | 9 | 10 | 8 | 11 | 15 | 11 | 10 | |

15% students felt that modern teaching aids including AV systems are required and will enhance their class room experience and learning process. 11% respondents shared that the not the entire syllabus was completed on time by the faculty members. The same percentage of students also believed that the teacher's attitude towards them was not as friendly and helpful as expected.
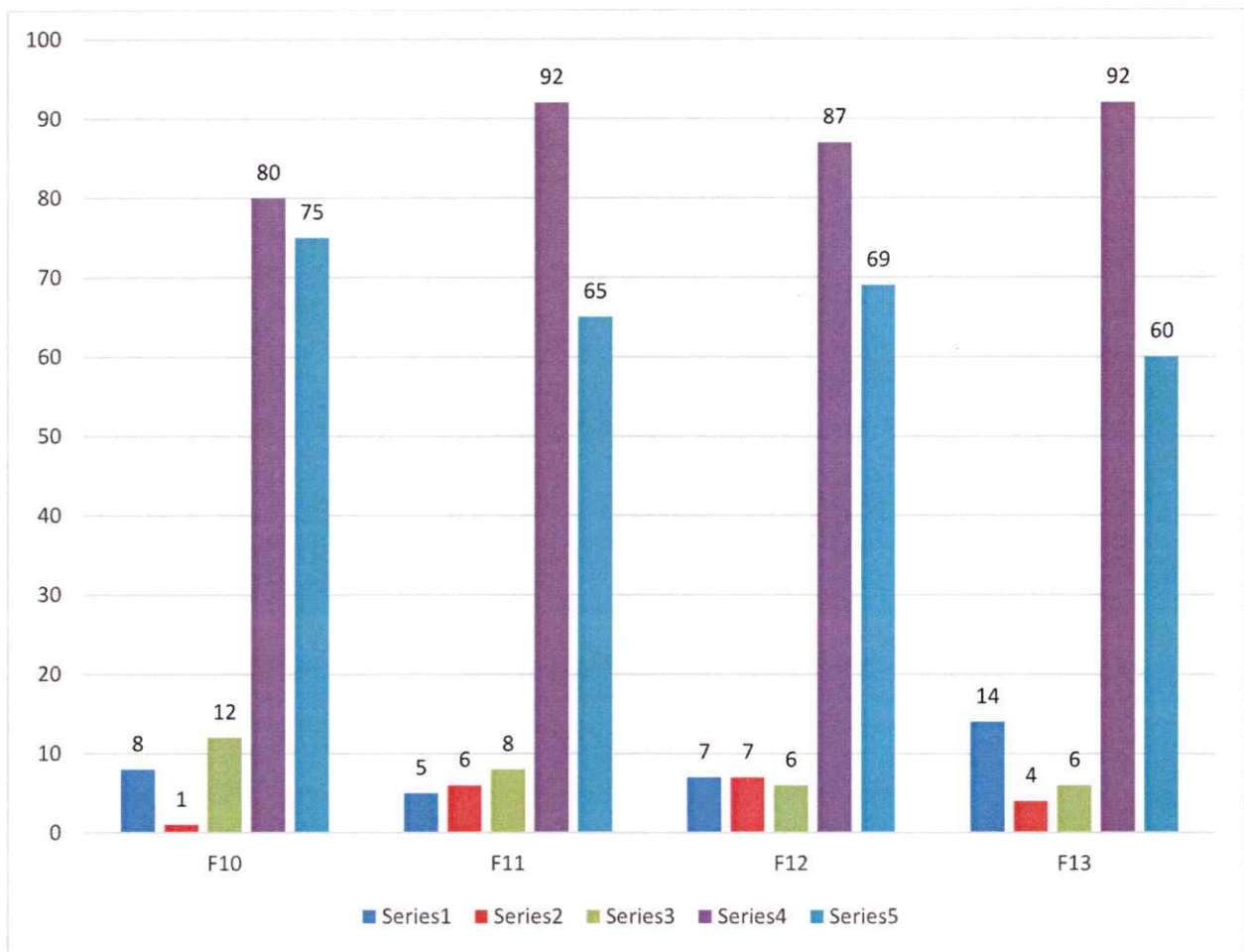
## EVALUATION

Performance of the "evaluation" criteria is based on 4 factors viz.

1. F10: The evaluation process is fair and unbiased.
2. F11: Regular and timely feedback is given on our (students') performance.
3. F12: Periodical assessments are conducted as per schedule.
4. F13: I have learnt and understood the subject material/s in this course.

| EVALUATION | | | | | |
|---|---|---|---|---|---|
| Ratings | F10 | F11 | F12 | F13 | Average Rating |
| 1 | 8 | 5 | 7 | 14 | |
| 2 | 1 | 6 | 7 | 4 | |
| 3 | 12 | 8 | 6 | 6 | |
| 4 | 80 | 92 | 87 | 92 | 4 |
| 5 | 75 | 65 | 69 | 60 | |
| Average Rating | 4 | 4 | 4 | 4 | |
| No. of Participants in the survey | 176 | 176 | 176 | 176 | |
| % of students satisfied | 95 | 94 | 92 | 90 | |
| % of students dissatisfied | 5 | 6 | 8 | 10 | |

10% of the respondents opined that they fell short of their learning and understanding of their subject.

# SECTION – CURRICULUM

# RESEARCH METHODOLOGY

| | |
|---|---|
| **Data Type:** | Primary |
| **Data Collection Tool:** | Survey (Online) |
| **Sample Size:** | 146 |
| **Sample Frame:** | Students of IFTM University studying in 2022-23 in School of Sciences |
| **Sampling:** | Probability Sampling |
| **Questionnaire:** | 5-point Likert scale (with 5 being most satisfied and 1 being least satisfied) |

Curriculum adopted by a university provides not only a structure for teaching; instead it's a measurable plan. It helps quantify the efforts being put by the students along with the other participants of the ecosystem. Its acceptance with all the stake holders is a pre requisite to the ultimate purpose, it tries to achieve.

To bridge any gap between the expectations and the perception about the curriculum, an annual survey is conducted by the university. The questionnaire captures responses on 3 themes viz. acceptance amongst students, perceived relevance and support material. The factors are as follows:

a. *Acceptance of curriculum amongst students*
b. *Perceived relevance of the curriculum*
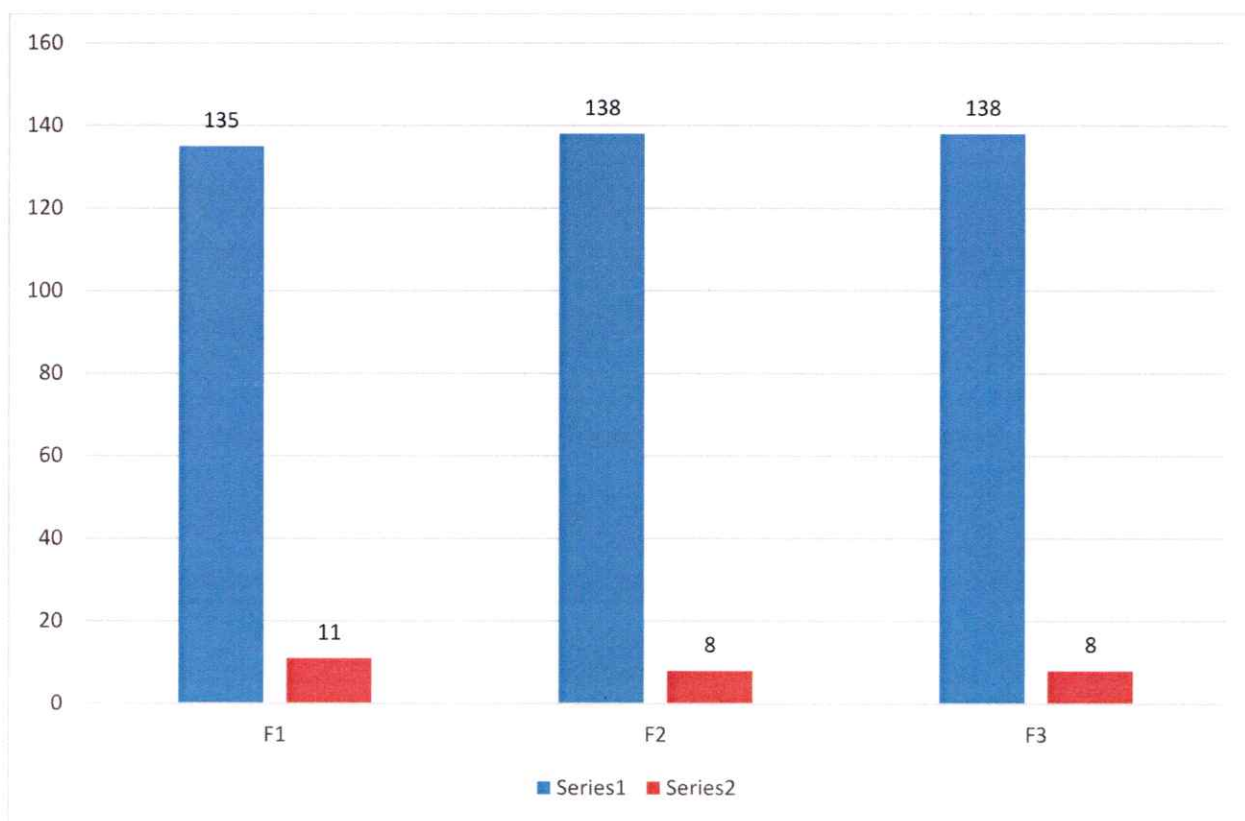c. *Support Material for subjects (curriculum)*

## ACCEPTANCE OF CURRICULUM AMONGST STUDENTS –

1. F1: I found the curriculum easy and interesting
2. F2: The instructions given in the curriculum is easy to follow
3. F3: The syllabus has good balance between theory and practical exercises

| | ACCEPTANCE | | |
|---|---|---|---|
| | F1 | F2 | F3 |
| Yes | 135 | 138 | 138 |
| No | 11 | 8 | 8 |
| Total Responses | 146 | 146 | 146 |
| Yes % | 92 | 95 | 95 |
| No % | 8 | 5 | 5 |

92% of the respondents found the curriculum easy, which indicates that the curriculum is designed well according to the aptitude level of the students at large. 95% of the respondents found it easy to follow the instructions given in the curriculum.
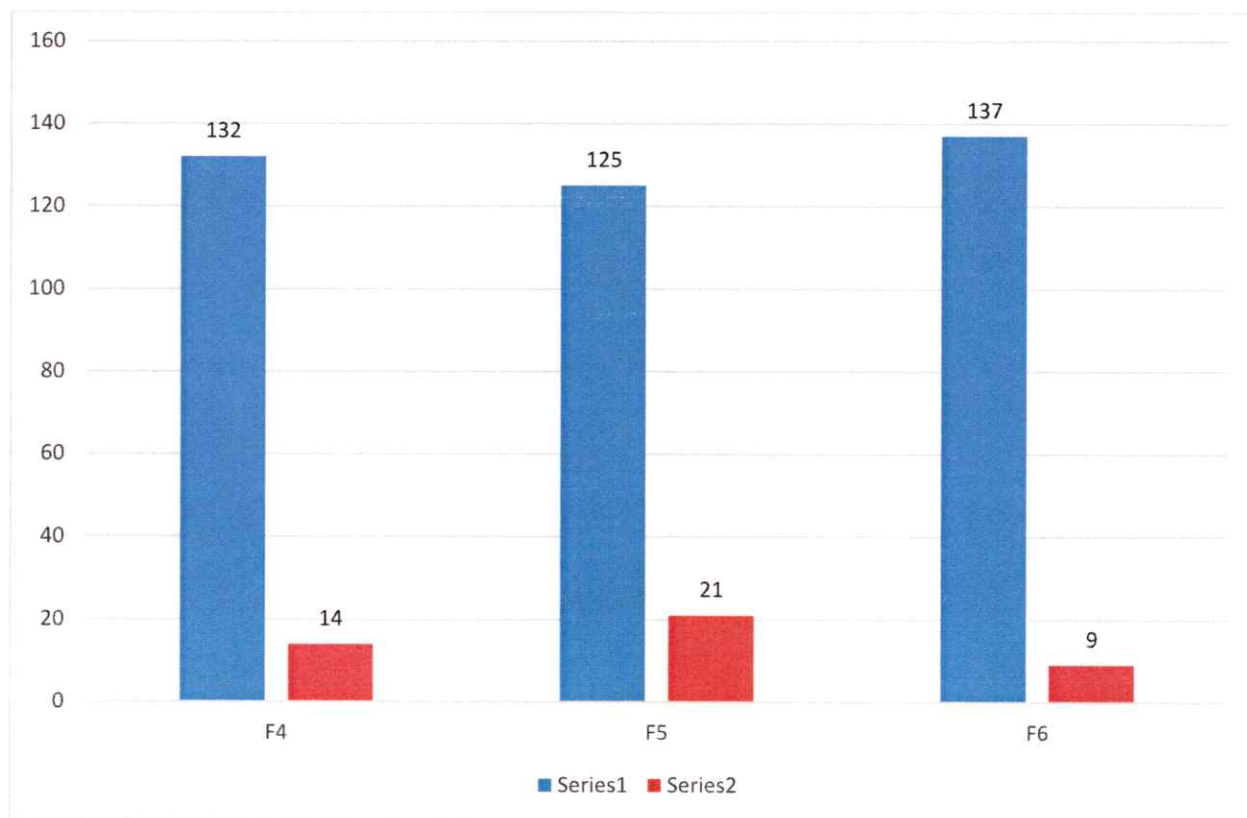
**PERCEIVED RELEVANCE OF THE CURRICULUM –**

4. F4: The subjects are relevant to my future job aspirations
5. F5: The subjects are very practical and seems applicable in daily life
6. F6: The course has helped me develop my personality

| | PERCEIVED RELEVANCE | | |
|---|---|---|---|
| | **F4** | **F5** | **F6** |
| **Yes** | 132 | 125 | 137 |
| **No** | 14 | 21 | 9 |
| **Total Responses** | 146 | 146 | 146 |
| **Yes %** | 90 | 86 | 94 |
| **No %** | 10 | 14 | 6 |

14% of the respondents opined that the subjects they studied were not practical and relevant to their future job aspirations.

While responses reflect the acceptance, usefulness and contemporary nature of the curriculum at the university; it also highlights the areas for further improvement.
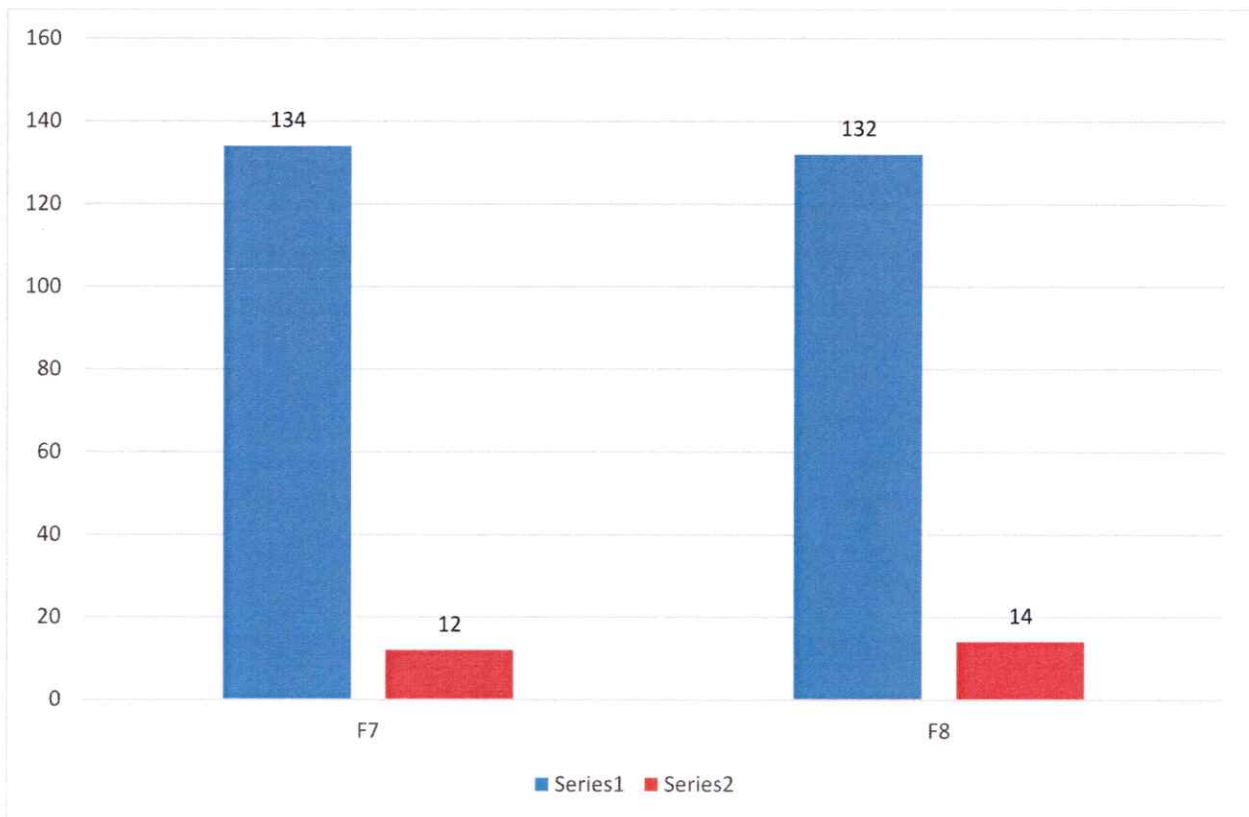
## SUPPORT MATERIAL FOR SUBJECTS (CURRICULUM) –

7. F7: The reading material and references of the subject are easily available
8. F8: Course content is followed by corresponding reference materials?
9. F9: What other changes would you like to suggest improving the curriculum / course?

| | SUPPORT MATERIAL | |
| --- | --- | --- |
| | **F7** | **F8** |
| **Yes** | 134 | 132 |
| **No** | 12 | 14 |
| **Total Responses** | 146 | 146 |
| **Yes %** | 92 | 90 |
| **No %** | 8 | 10 |

While, 90% of the respondents opined that they were provided with the reference material, 92% of the students shared that the required reading material is ubiquitously available.

आईएफटीएम विश्वविद्यालय, मुरादाबाद, उत्तर प्रदेश

**IFTM University, Moradabad, Uttar Pradesh**

**NAAC ACCREDITED**

# TEACHERS' FEEDBACK REPORT
## SCHOOL OF SCIENCES
## 2022-23

# RESEARCH METHODOLOGY

| | |
|---|---|
| **Data Type:** | Primary |
| **Data Collection Tool:** | Survey (Online) |
| **Sample Size:** | 66 |
| **Sample Frame:** | Teachers teaching at IFTM University in 2022-23 in School of Sciences |
| **Sampling:** | Probability Sampling |
| **Questionnaire:** | 5-point Likert scale (Strongly Disagree – 1, Disagree – 2, Neither Agree Nor Disagree – 3, Agree – 4, Strongly Agree - 5) |

1

Teachers are the backbone of any academic institute. No academic institute can thrive, unless its faculty is not satisfied. In its pursuit of excellence, IQAC at IFTM University conducts a teacher's survey every year; to learn about any scope of improvement in its functioning.

The survey attempted to capture the satisfaction level of teachers in reference to the following 6 areas viz.

a. *Curriculum / Syllabus*
b. *Examination & Evaluation*
c. *Facilities*
d. *Course Content & Books*
e. *Freedom*
f. *Friendly & Favorable Environment*

Performance in these areas gets measured through responses given to specific questions (factors) in the questionnaire (Teachers' Feedback Survey). In 2022-23, 66 faculty members participated in the survey from School of Sciences. The findings of the survey 2022-23 on the above mentioned 6 areas are presented in the following section.

## CURRICULUM / SYLLABUS

The curriculum is the road map for a student. If well designed, it helps them embark upon the journey of personal joy and professional success.
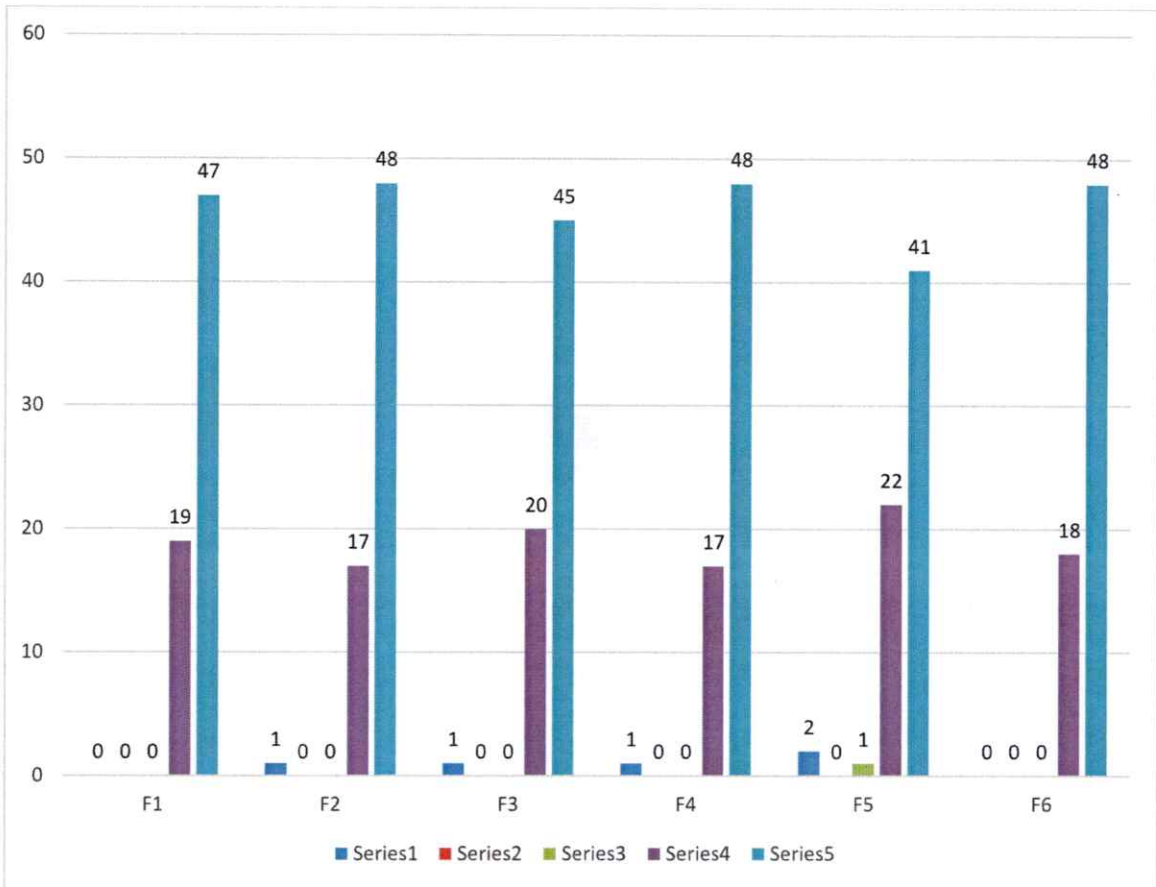
1. F1: Syllabus is suitable to the course.
2. F2: Syllabus is need based.
3. F3: Aims and objectives of the syllabi are well defined and clear to teachers and students.
4. F4: The course/syllabus has good balance between theory and application.
5. F5: The course/syllabus has made me interested in the subject area.
6. F6: The course/syllabus of this subject increased my knowledge and perspective in the subject area.

98% of the respondents found the syllabus suitable to the course and need based. Most of the respondents agreed that the aims and objectives of syllabi are well defined and clear to both teachers and students. 98% teachers agreed that the syllabus is well curated with a good balance between theory and practice. 97% agreed that the syllabus has made them inquisitive and interested in their respective subjects.

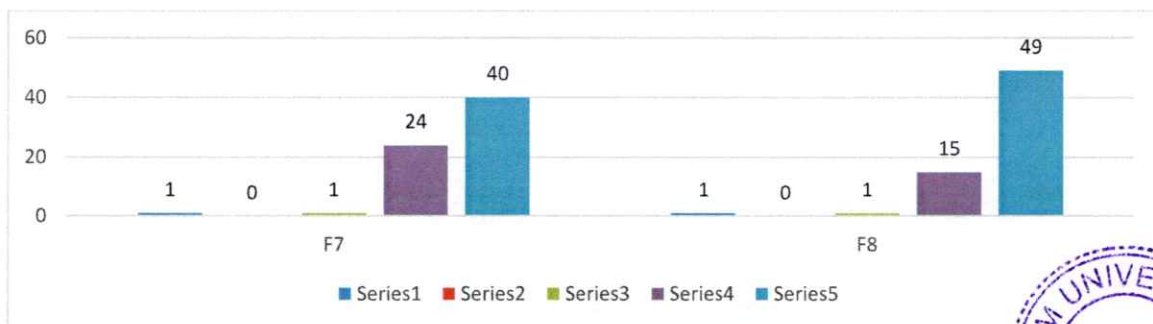| SYLLABUS / CURRICULUM | | | | | | | |
|---|---|---|---|---|---|---|---|
| | F1 | F2 | F3 | F4 | F5 | F6 | Average Rating |
| 1 | 0 | 1 | 1 | 1 | 2 | 0 | |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 3 | 0 | 0 | 0 | 0 | 1 | 0 | 5 |
| 4 | 19 | 17 | 20 | 17 | 22 | 18 | |
| 5 | 47 | 48 | 45 | 48 | 41 | 48 | |
| Average Rating | 5 | 5 | 5 | 5 | 5 | 5 | |
| No. of Participants in the survey | 66 | 66 | 66 | 66 | 66 | 66 | |
| % of teachers satisfied | 100 | 98 | 98 | 98 | 97 | 100 | |
| % of teachers dissatisfied | 0 | 2 | 2 | 2 | 3 | 0 | |

## EXAMINATION & EVALUATION

The examination and evaluation process at University is rigorous and conducive to the development of its students.

1. F7: The course/ programme of studies carries sufficient number of optional papers.
2. F8: Tests and examinations are conducted well in time with proper coverage of all units in the syllabus.

Out of 66 respondents, 98% faculty members agreed that the examinations are conducted well on time and covers the entire syllabus. The same percentage of faculty members opined that courses have ample number of optional papers.

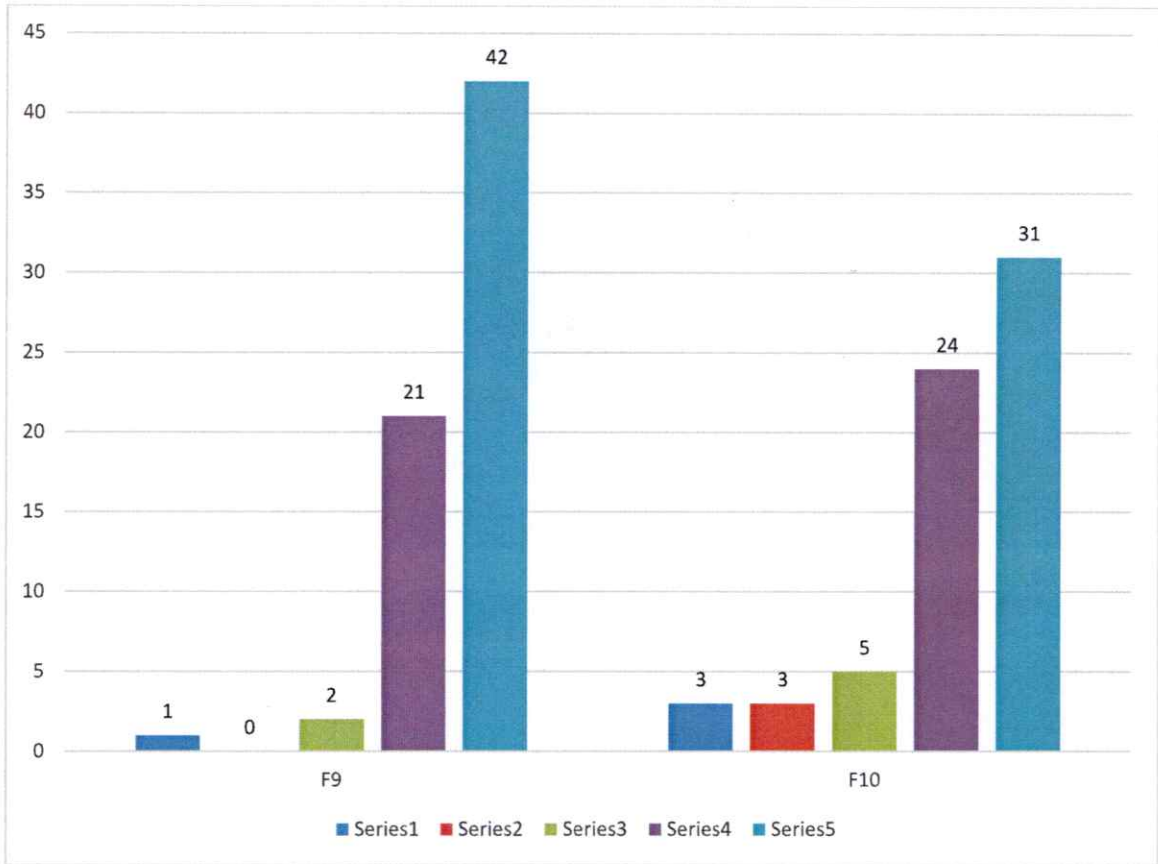| EXAMINATION & EVALUATION | | | |
|---|---|---|---|
| | F7 | F8 | Average Rating |
| 1 | 1 | 1 | |
| 2 | 0 | 0 | |
| 3 | 1 | 1 | 5 |
| 4 | 24 | 15 | |
| 5 | 40 | 49 | |
| Average Rating | 5 | 5 | |
| No. of Participants in the survey | 66 | 66 | |
| % of teachers satisfied | 98 | 98 | |
| % of teachers dissatisfied | 2 | 2 | |



5

## FACILITIES

The University also believes that basic amenities like hygienic washrooms, a neat personal space to work, and reading room are essential to a teacher.

1.  F9: Infrastructural facilities, such as teacher's rooms/carrels, class rooms, reading rooms and toilets are available in the Department.
2.  F10: Staff canteen is available at the faculty level.

| FACILITIES | | | |
|---|---|---|---|
| | **F9** | **F10** | **Average Rating** |
| **1** | 1 | 3 | |
| **2** | 0 | 3 | |
| **3** | 2 | 5 | 4 |
| **4** | 21 | 24 | |
| **5** | 42 | 31 | |
| Average Rating | 5 | 4 | |
| No. of Participants in the survey | 66 | 66 | |
| % of teachers satisfied | 98 | 91 | |
| % of teachers dissatisfied | 2 | 9 | |

While 98% of the faculty members were found satisfied with various facilities and infrastructure meant for them; about 9% of the faculty members felt the need of a dedicated canteen at the department level.
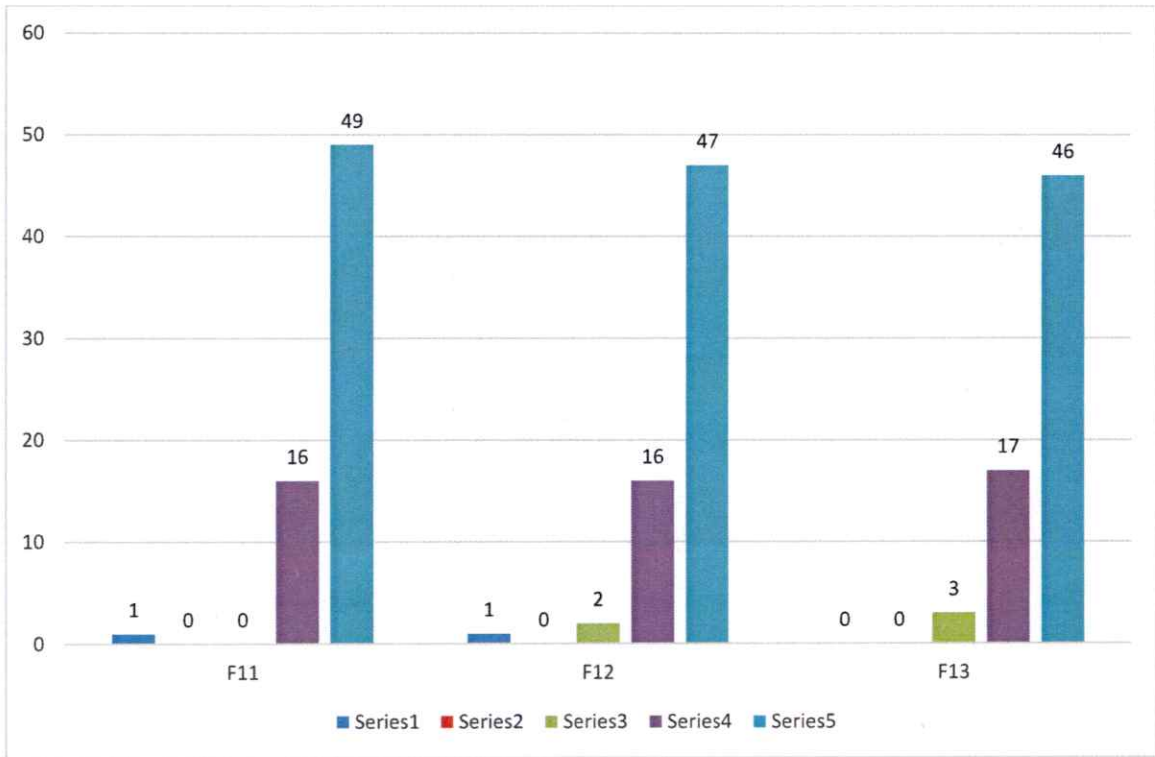
## COURSE CONTENT & BOOKS

Availability of reference material, books and other forms of literature is important not only for students but teachers too. The performance on course content and books was measured through following 3 factors:

1. F11: Course content is followed by corresponding reference materials.
2. F12: Sufficient number of prescribed books is available in the library.
3. F13: The books prescribed/ listed as reference materials are relevant, updated appropriate.

98% of the respondents agreed that the course content is followed by relevant reference material. 98% of the respondents reflected their contentment with the availability of books in the library. Most of the respondents found the books, relevant and updated.

| COURSE CONTENT & BOOKS | | | | |
|---|---|---|---|---|
| | F11 | F12 | F13 | Average Rating |
| 1 | 1 | 1 | 0 | |
| 2 | 0 | 0 | 0 | |
| 3 | 0 | 2 | 3 | 5 |
| 4 | 16 | 16 | 17 | |
| 5 | 49 | 47 | 46 | |
| Average Rating | 5 | 5 | 5 | |
| No. of Participants in the survey | 66 | 66 | 66 | |
| % of teachers satisfied | 98 | 98 | 100 | |
| % of teachers dissatisfied | 2 | 2 | 0 | |

8

## FREEDOM

Freedom to bring novelty at work place, including in curriculum and pedagogy sans any reservations help an academician unleash his true potential. It not only benefits the academia but also enrich the experience of all the stake holders.
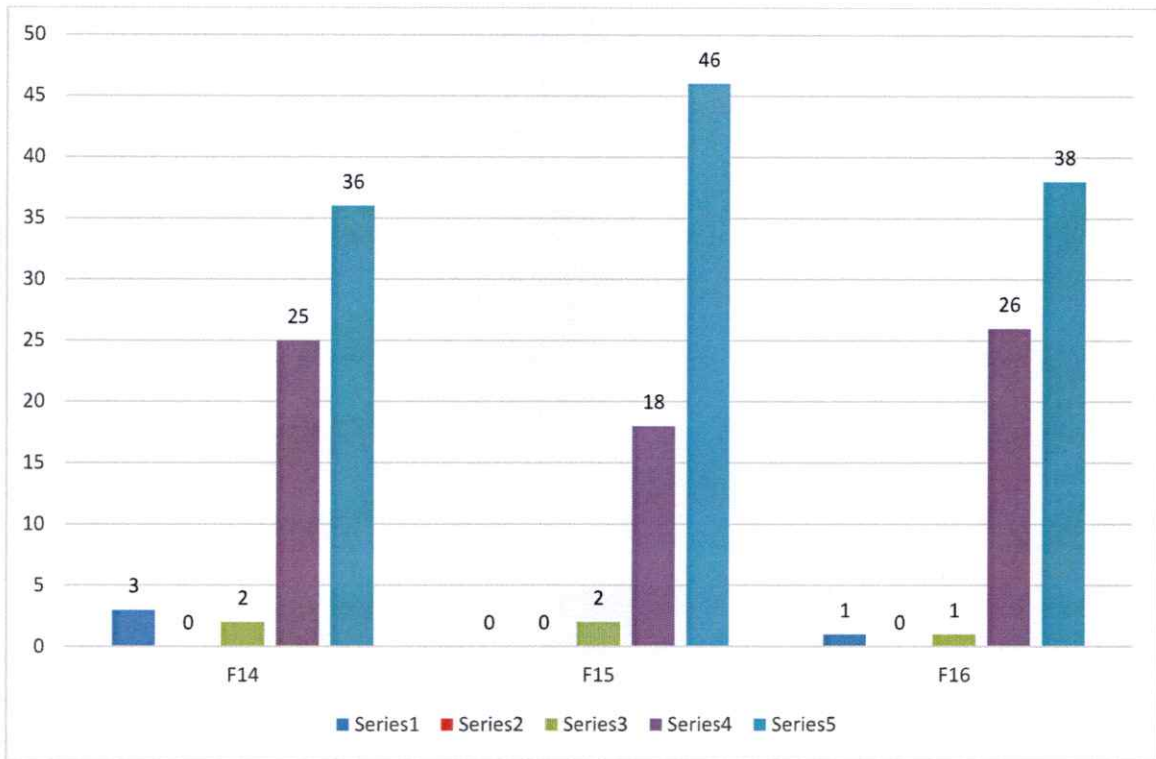
To measure performance in this area, responses were sought on the following factors –

1. F14: I have the freedom to propose, modify, suggest and incorporate new topics in the syllabus.
2. F15: I have the freedom to adopt new techniques/strategies of teaching such as seminar presentations, group discussions and learners' participation.
3. F16: I have the freedom to adopt/adapt new techniques/strategies of testing and assessment of students.

5% of teachers felt that they have little freedom in proposing any amendments to the syllabus.

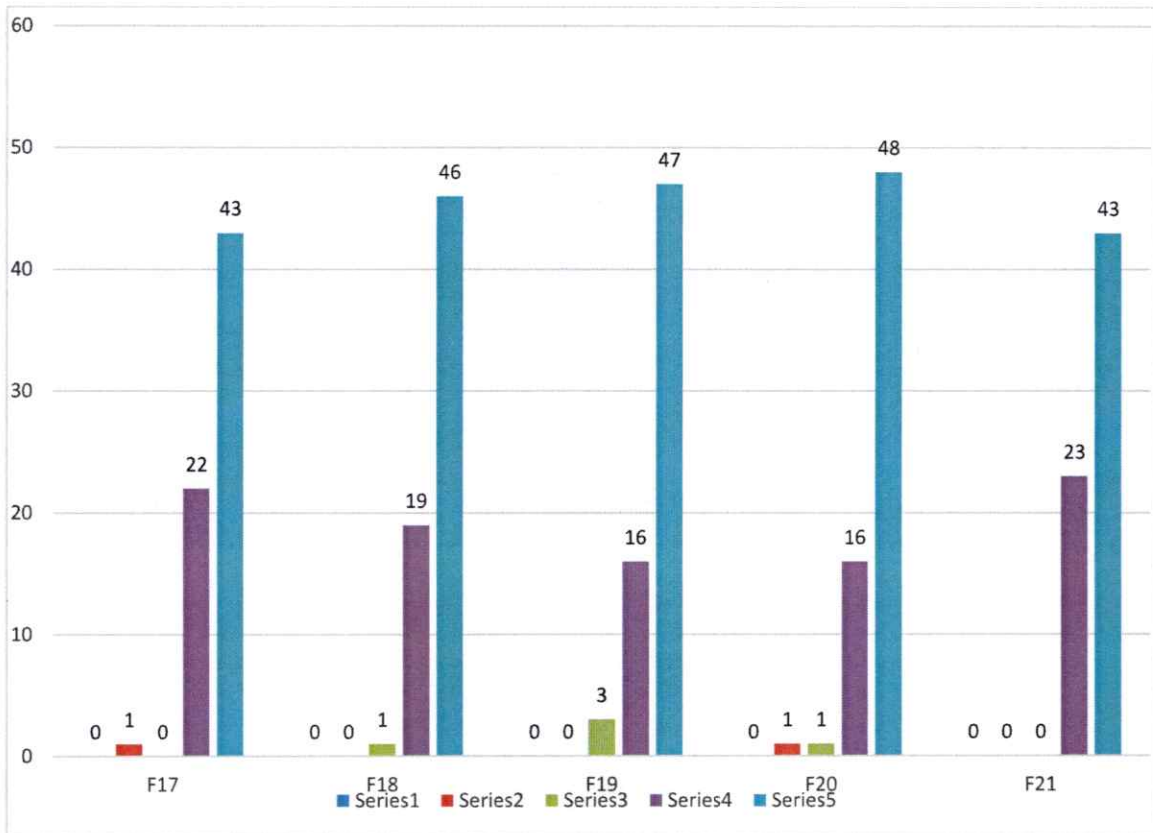| FREEDOM | | | | |
|---|---|---|---|---|
| | F14 | F15 | F16 | Average Rating |
| 1 | 3 | 0 | 1 | |
| 2 | 0 | 0 | 0 | |
| 3 | 2 | 2 | 1 | 5 |
| 4 | 25 | 18 | 26 | |
| 5 | 36 | 46 | 38 | |
| Average Rating | 4 | 5 | 5 | |
| No. of Participants in the survey | 66 | 66 | 66 | |
| % of teachers satisfied | 95 | 100 | 98 | |
| % of teachers dissatisfied | 5 | 0 | 2 | |

## FRIENDLY & FAVOURABLE ENVIRONMENT

A friendly environment and favorable policies help faculty delivering their best. To measure the performance in this area, responses from faculty members were sought on the following factors –

1. F17: The environment in the department is conducive to teaching and research.
2. F18: The administration is teacher friendly.
3. F19: The University provides adequate and smooth support for projects and research facilities.
4. F20: The University provides adequate funding and support to faculty members for upgrading their skills and qualifications.
5. F21: Provisions for professional development are non-discriminatory and fair.

| FRIENDLY & FAVOURABLE ENVIRONMENT | | | | | | |
|---|---|---|---|---|---|---|
| | F17 | F18 | F19 | F20 | F21 | Average Rating |
| 1 | 0 | 0 | 0 | 0 | 0 | |
| 2 | 1 | 0 | 0 | 1 | 0 | |
| 3 | 0 | 1 | 3 | 1 | 0 | 5 |
| 4 | 22 | 19 | 16 | 16 | 23 | |
| 5 | 43 | 46 | 47 | 48 | 43 | |
| Average Rating | 5 | 5 | 5 | 5 | 5 | |
| No. of Participants in the survey | 66 | 66 | 66 | 66 | 66 | |
| % of teachers satisfied | 98 | 100 | 100 | 98 | 100 | |
| % of teachers dissatisfied | 2 | 0 | 0 | 2 | 0 | |

Most of the faculty members agreed that the environment at the University and its policies are very conducive for teaching and undertaking research projects. Most of the respondents agreed that the support they get from the administration has enabled them to perform their duties in a better manner.

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# ALUMNI FEEDBACK REPORT
# SCHOOL OF SCIENCES
# 2022-23

# RESEARCH METHODOLOGY

**Data Type:**                   Primary

**Data Collection Tool:**    Survey (Online)

**Sample Size:**            35

**Sample Frame:**         Individuals who have been student at IFTM University in School of Sciences

**Sampling:**                Non-Probability (Convenience Sampling)

**Questionnaire:**        5-point Likert scale (with 5 being most satisfied and 1 being least satisfied)

* Scale with 5 points viz. *excellent, very good, good, average and poor* is interpreted and presented as satisfied and dissatisfied.

** Responses excellent, very good and good are interpreted as *satisfied respondent* and responses average and poor are interpreted as dissatisfied.

Alumni of any institute or a university are the true reflections of the quality of services rendered there. They are the ones having the complete experience, and their suggestions are evenhanded and valuable.

To learn about any possible need for improvement, the University tries to connect with its alumni every year. An online survey is administered to get their feedback, improve its functioning and fix any shortcoming if found.

The survey attempted to capture the satisfaction level of alumni in reference to the following 4 areas viz.

1. University Facilities & Overall Infrastructure
2. Grievances, Facilities & Academic Initiatives
3. Educational Objectives of the Program
4. Feedback about Training & Placement Cell

Performance in these areas gets measured through responses given to specific questions (factors) in the questionnaire (Alumni Feedback Survey). In 2022-23, responses could be elicited from 35 alumni from School of Sciences.
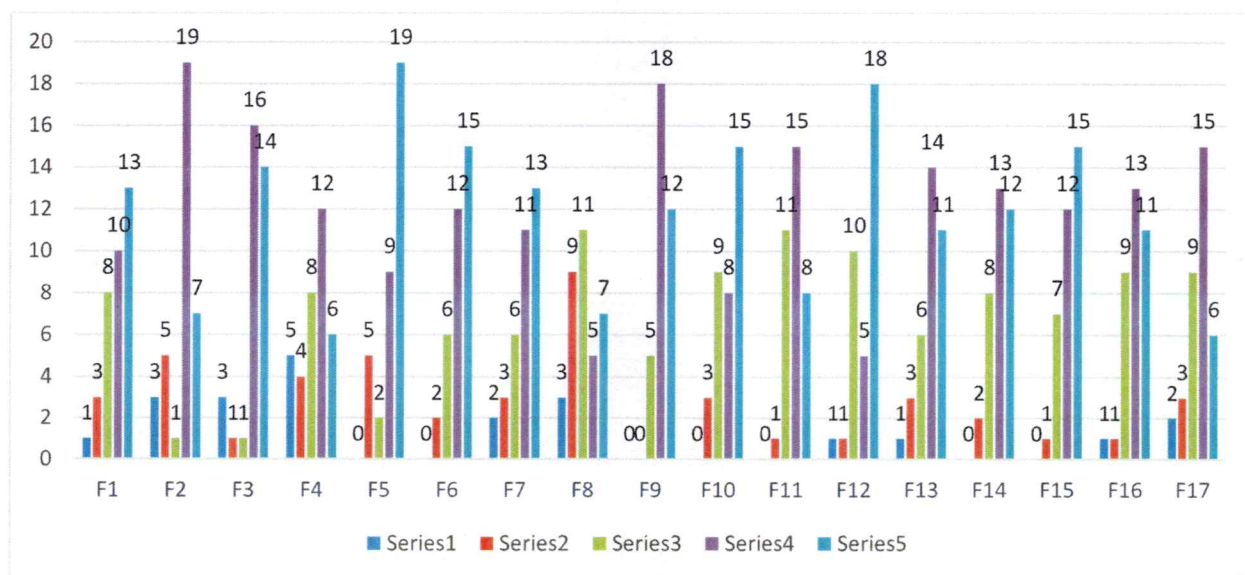
**University Facilities & Overall Infrastructure:**

To evaluate the performance on this parameter, questions were asked in reference to 17 factors viz.

1. F1: Admission Procedure
2. F2: Fee structure
3. F3: Environment
4. F4: Infrastructure & Lab facilities
5. F5: Faculty
6. F6: Project Guidance
7. F7: Quality of support material
8. F8: Training & Placement
9. F9: Library
10. F10: Canteen Facilities
11. F11: Hostel Facilities
12. F12: Overall Rating of the University
13. F13: Alumni Association/Network of Old Friends
14. F14: Caliber of students passing out of this University
15. F15: Professional courses and their suitability to the Industry
16. F16: Learning experience in terms of their relevance to the real life application
17. F17: Significance of the course(s) that you learnt in relation to your current job

Out of 35 respondents, 34% of the respondents voiced their dissatisfaction with the assistance they got from Training and Placement Cell. 26% shared their dissatisfaction with the state of laboratories and other related infrastructure. Fee was also seen as a concern by 23% of the repondents.

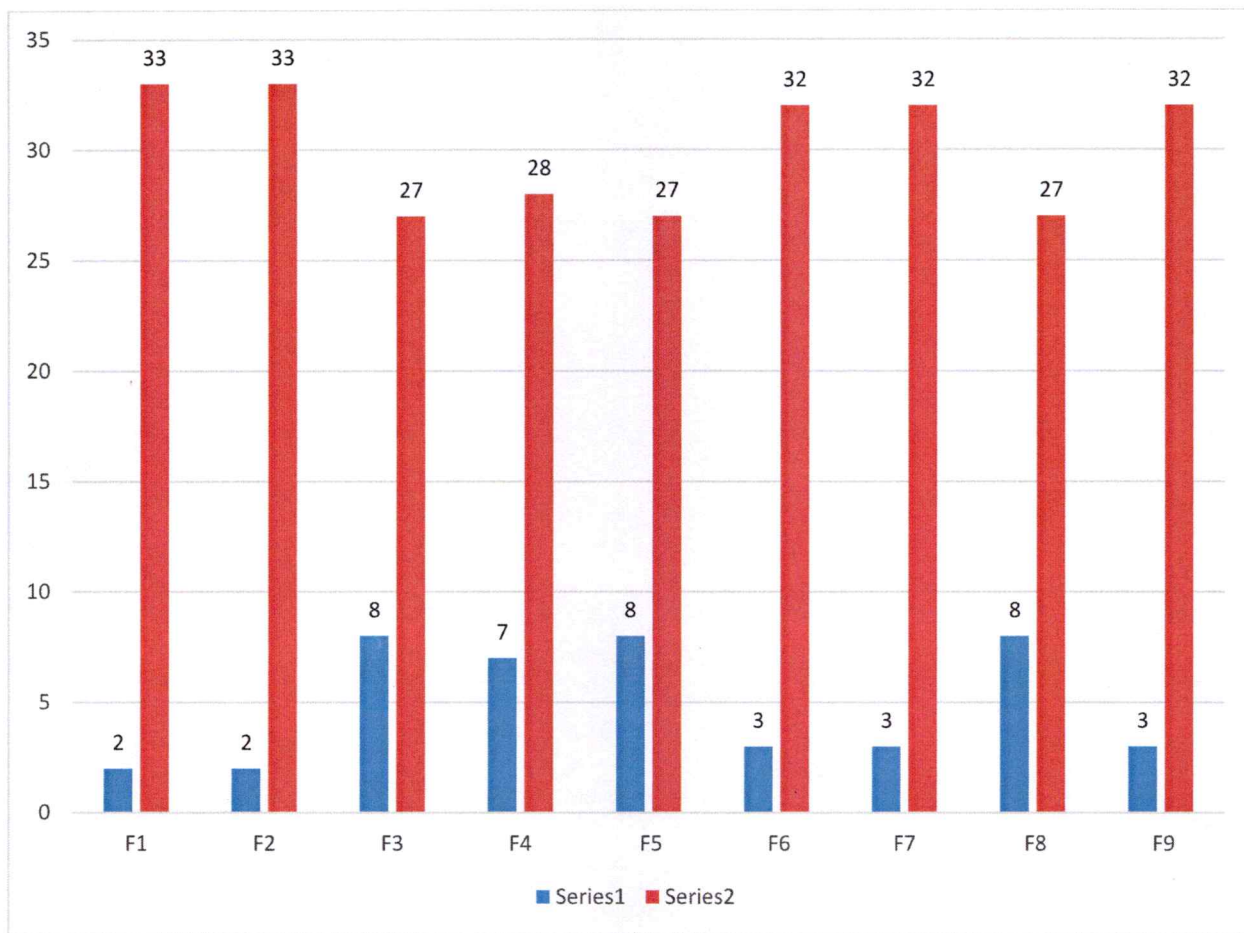| | Poor | Average | Good | Very Good | Excellent | Total Responses | Satisfied Percentage | Not Satisfied Percentage |
|---|---|---|---|---|---|---|---|---|
| F1 | 1 | 3 | 8 | 10 | 13 | 35 | 89 | 11 |
| F2 | 3 | 5 | 1 | 19 | 7 | 35 | 77 | 23 |
| F3 | 3 | 1 | 1 | 16 | 14 | 35 | 89 | 11 |
| F4 | 5 | 4 | 8 | 12 | 6 | 35 | 74 | 26 |
| F5 | 0 | 5 | 2 | 9 | 19 | 35 | 86 | 14 |
| F6 | 0 | 2 | 6 | 12 | 15 | 35 | 94 | 6 |
| F7 | 2 | 3 | 6 | 11 | 13 | 35 | 86 | 14 |
| F8 | 3 | 9 | 11 | 5 | 7 | 35 | 66 | 34 |
| F9 | 0 | 0 | 5 | 18 | 12 | 35 | 100 | 0 |
| F10 | 0 | 3 | 9 | 8 | 15 | 35 | 91 | 9 |
| F11 | 0 | 1 | 11 | 15 | 8 | 35 | 97 | 3 |
| F12 | 1 | 1 | 10 | 5 | 18 | 35 | 94 | 6 |
| F13 | 1 | 3 | 6 | 14 | 11 | 35 | 89 | 11 |
| F14 | 0 | 2 | 8 | 13 | 12 | 35 | 94 | 6 |
| F15 | 0 | 1 | 7 | 12 | 15 | 35 | 97 | 3 |
| F16 | 1 | 1 | 9 | 13 | 11 | 35 | 94 | 6 |
| F17 | 2 | 3 | 9 | 15 | 6 | 35 | 86 | 14 |

**Grievances, Facilities & Academic Initiatives:**

Responses were also sought to capture the opinion of alumni about the different aspects of the University including handling of grievances, adequacy of various facilities and academic initiatives being taken by the University. The factors / questions are as follows:

1. F1: Do you feel proud to be associated with IFTM University as an Alumnus?
2. F2: Would you like to join the Department/School Alumni Association?
3. F3: Have you participated in any Alumni meet as of now (organized by your parent department?
4. F4: Are you willing to contribute to the development of the Department/School?
5. F5: Were your grievances properly handled at the Department/School/University? [As a student]
6. F6: Were your grievances properly handled at the Department/School/University? [As an Alumnus]
7. F7: Have you obtained sufficient know-how (both in theory and practice) at IFTMU?
8. F8: Is the education imparted at IFTMU useful and relevant in your present job?
9. F9: Were the Head of the Department & Teachers cooperative?

| | No | Yes | Grand Total | Agreed Percentage | Disagreed Percentage |
|---|---|---|---|---|---|
| F1 | 2 | 33 | 35 | 94 | 6 |
| F2 | 2 | 33 | 35 | 94 | 6 |
| F3 | 8 | 27 | 35 | 77 | 23 |
| F4 | 7 | 28 | 35 | 80 | 20 |
| F5 | 8 | 27 | 35 | 77 | 23 |
| F6 | 3 | 32 | 35 | 91 | 9 |
| F7 | 3 | 32 | 35 | 91 | 9 |
| F8 | 8 | 27 | 35 | 77 | 23 |
| F9 | 3 | 32 | 35 | 91 | 9 |

23% of the respondents shared that they did not get to participate in any alumni meet. The same percentage of respondents were also apprehensive about the grievance redressal mechanism at the department. 23% respondents opined that the education imparted (curriculum) at the department is not helping them much in their present area of work.
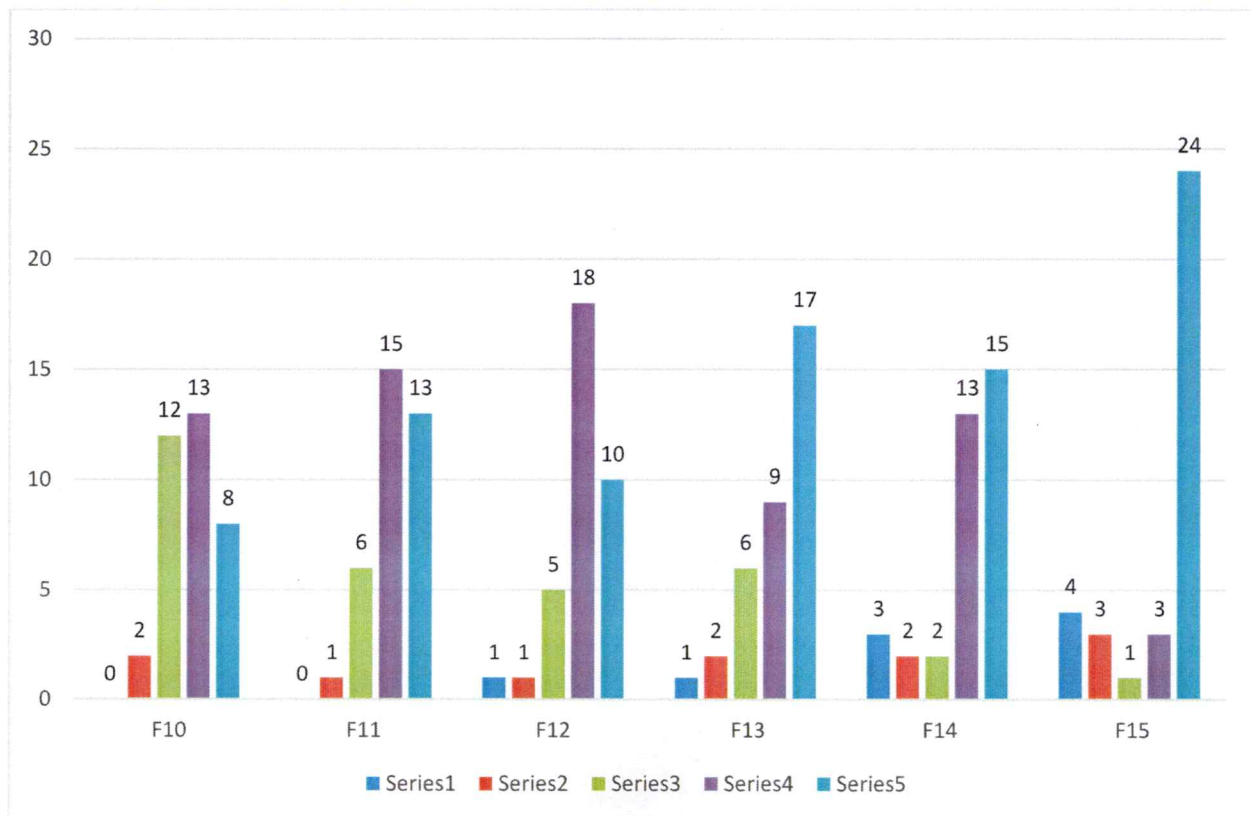
10. F10: Laboratories &Equipment's facilities
11. F11: Library/Seminar/Reading Room
12. F12: Computer Facilities
13. F13: Internet & Wi-Fi
14. F14: Sports and Cultural
15. F15: Classrooms

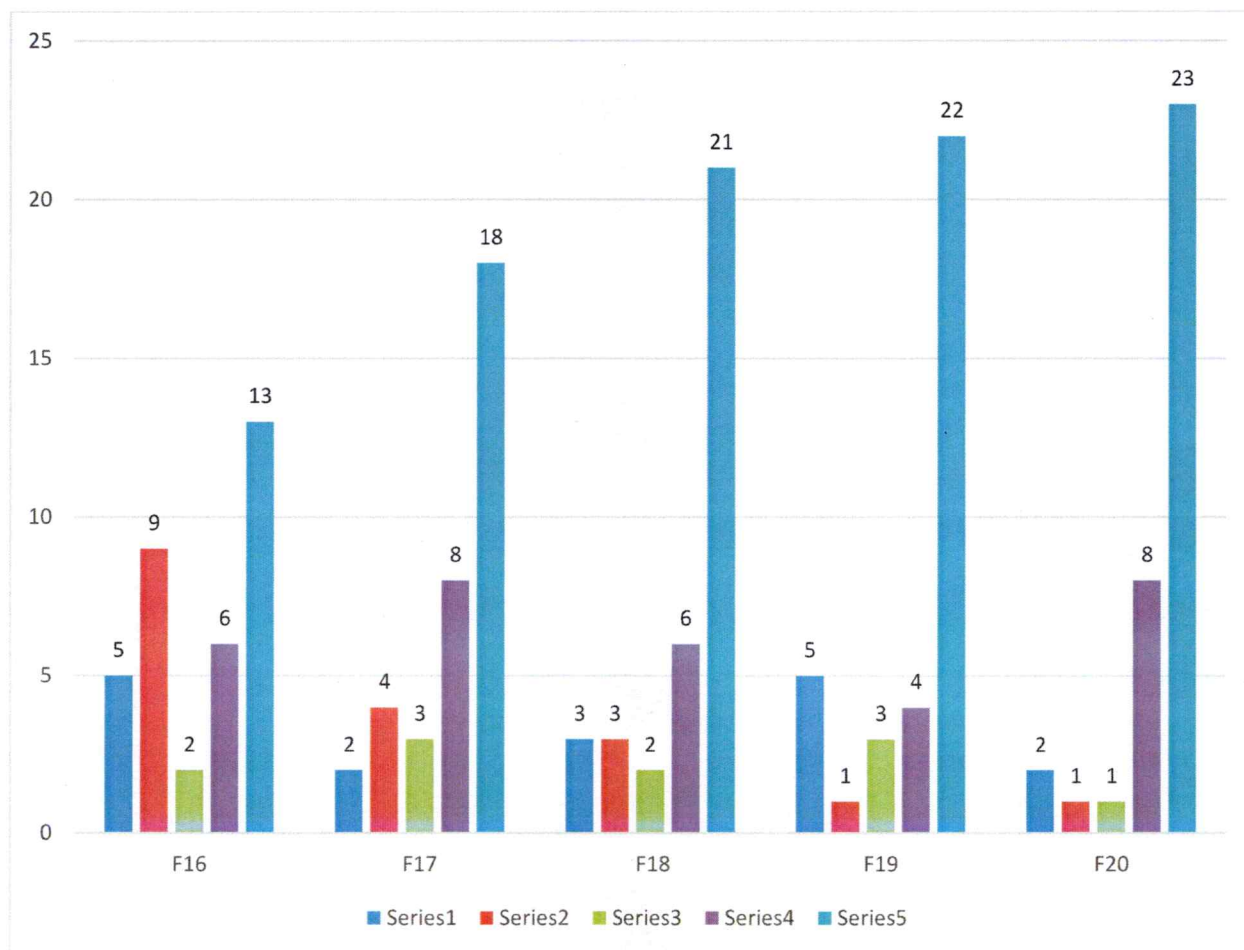|  | Poor | Average | Good | Very Good | Excellent | Grand Total | Satisfied Percentage | Not Satisfied Percentage |
|---|---|---|---|---|---|---|---|---|
| F10 | 0 | 2 | 12 | 13 | 8 | 35 | 94 | 6 |
| F11 | 0 | 1 | 6 | 15 | 13 | 35 | 97 | 3 |
| F12 | 1 | 1 | 5 | 18 | 10 | 35 | 94 | 6 |
| F13 | 1 | 2 | 6 | 9 | 17 | 35 | 91 | 9 |
| F14 | 3 | 2 | 2 | 13 | 15 | 35 | 86 | 14 |
| F15 | 4 | 3 | 1 | 3 | 24 | 35 | 80 | 20 |

20% of the responding alumni shared their dissatisfaction with the classrooms and its infrastructure.

16. F16: Industry Oriented Projects (if applicable)
17. F17: Seminars & Workshop
18. F18: Guest Lectures
19. F19: Special Training Classes for bridging Industry/Academic gap
20. F20: Student Development Activities organized by the University

|  | Poor | Average | Good | Very Good | Excellent | Grand Total | Satisfied % | Not Satisfied % |
|---|---|---|---|---|---|---|---|---|
| F16 | 5 | 9 | 2 | 6 | 13 | 35 | 60 | 40 |
| F17 | 2 | 4 | 3 | 8 | 18 | 35 | 83 | 17 |
| F18 | 3 | 3 | 2 | 6 | 21 | 35 | 83 | 17 |
| F19 | 5 | 1 | 3 | 4 | 22 | 35 | 83 | 17 |
| F20 | 2 | 1 | 1 | 8 | 23 | 35 | 91 | 9 |

17% of the respondents shared their dissatisfaction with the seminar, workshop and guest lectures organized by the department. The special training classes conducted for them were also seen as below par by 17% of the responding alumni.
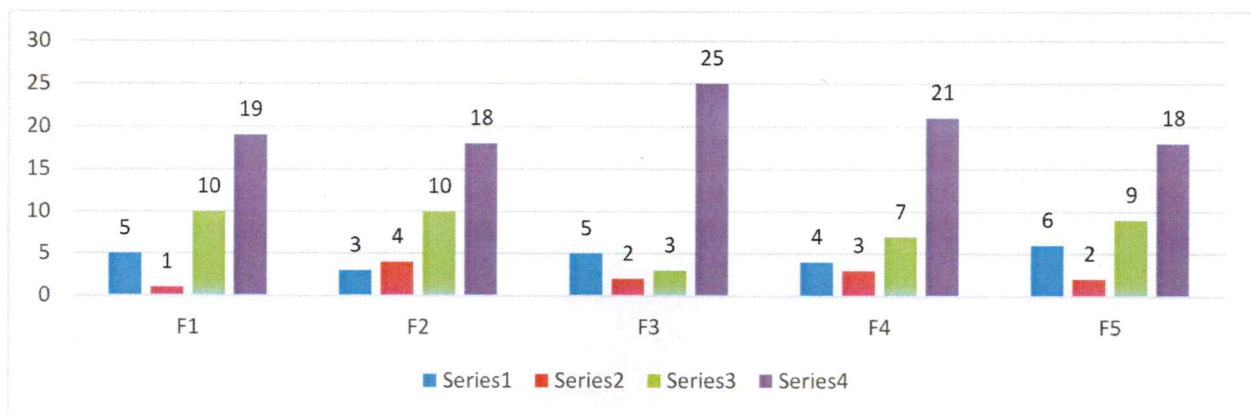
**Regarding Program Educational Objectives:**

To evaluate the performance on this parameter, questions were asked in reference to 5 factors viz.

1. F1: Preparation: To educate students for graduate and postgraduate programs and to help them succeed in their chosen/ related fields.
2. F2: Core Competence: To provide students with sound knowledge in their chosen area.
3. F3: Breadth: To train students with knowledge relating to an array of professional fields undertaken so as to comprehend, analyze, design, and create innovative products and find solutions to improve the quality of life
4. F4: Professionalism: To create professionally superior and ethically strong global manpower and to uphold moral values. With effective communication skills, teamwork skills, multidisciplinary approach, and an ability to improve the quality of life.
5. F5: Learning Environment: To create an intellectual environment for research and development aware of emerging technologies leading to continual learning needed for a successful professional career, to create a center of excellence develop technocrats and business leaders.

|  | Very Little | Quite a Bit | Some Extent | Very Much | Total Responses | Satisfied Percentage | Not Satisfied Percentage |
|---|---|---|---|---|---|---|---|
| F1 | 5 | 1 | 10 | 19 | 35 | 86 | 14 |
| F2 | 3 | 4 | 10 | 18 | 35 | 91 | 9 |
| F3 | 5 | 2 | 3 | 25 | 35 | 86 | 14 |
| F4 | 4 | 3 | 7 | 21 | 35 | 89 | 11 |
| F5 | 6 | 2 | 9 | 18 | 35 | 83 | 17 |

17% of the respondents opined that the university should put in more efforts to create an environment conducive for learning, research and development.
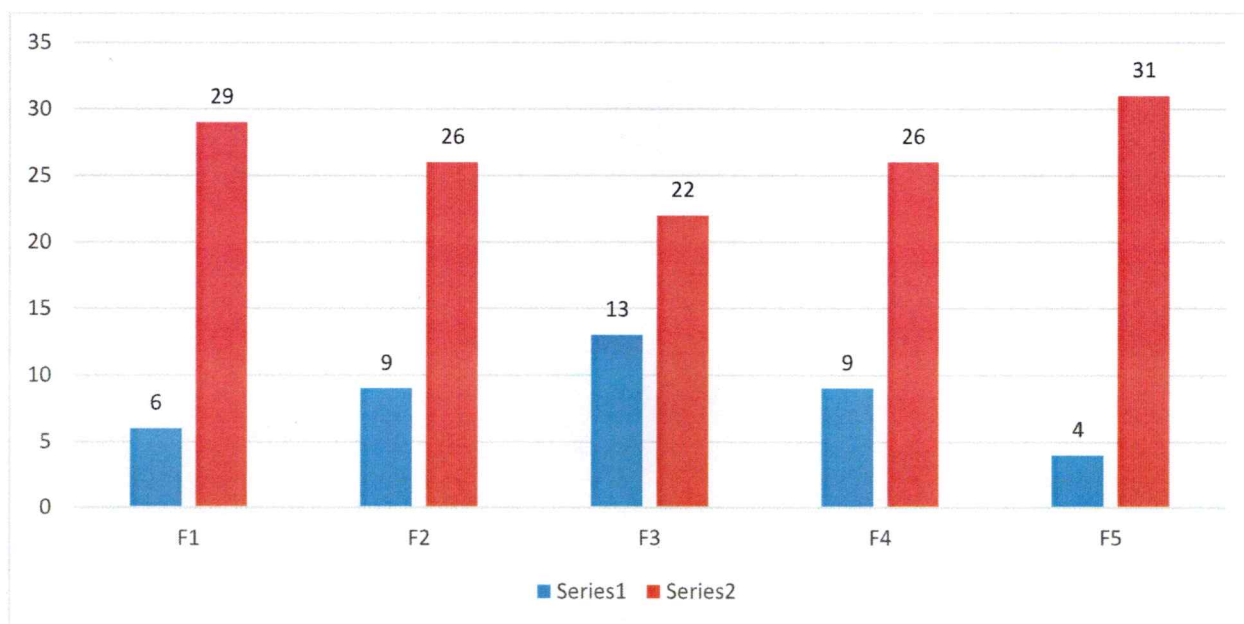
**Feedback about Training & Placement Cell:**

1. F1: Has the Training & Placement (T&P) Cell provided ample on campus placement opportunities?
2. F2: Has the Placement Cell provided sufficient off campus placement opportunities?
3. F3: Did you ever avail Career counseling and guidance for higher studies from Placement Cell?
4. F4: If you are invited to deliver a Guest Lecture/a Special Talk/a Motivational Session for your juniors, will you be interested?
5. F5: Do you receive communications from the University/parent department through Mails/ Calls/SMS etc?

| | No | Yes | Grand Total | Agreed Percentage | Disagreed Percentage |
|---|---|---|---|---|---|
| F1 | 6 | 29 | 35 | 83 | 17 |
| F2 | 9 | 26 | 35 | 74 | 26 |
| F3 | 13 | 22 | 35 | 63 | 37 |
| F4 | 9 | 26 | 35 | 74 | 26 |
| F5 | 4 | 31 | 35 | 89 | 11 |

37% of the respondents voiced that they did not avail any career counseling / guidance for higher education from placement cell. 26% of the respondents were not willing to engage in any guest lecture or motivational session for their alma mater.



*** LAST PAGE OF THE REPORT ***