**Analysis of feedbacks of students of Semester- I of M.Sc. Environmental Scienceabout course curriculum.**

In part I students have given the feedback about different aspects of course curriculum such as

1. The course objectives and outcomes were clearly defined, identified
2. Length: Course material were of appropriate length
3. Relevance: Course material were relevant
4. Quality: Course material were of high quality and up to date
5. Organization: Material was well organized
6. The course provides useful inputs
7. The course provides focus on skill development/ employability/ entrepreneurship
8. The course updates understanding in this fieldas per their satisfaction in 4 levels:
9. Average
10. Good
11. Excellent
12. Outstanding

In Semester students have four subjects as given below:

**11953**

**11970**

**12014**

**12015**

**12025**

**12041**

**12049**

**11953: please insert title**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 35 | 31 |
| G | 37 | 33 |
| E | 31 | 28 |
| O | 9 | 8 |
| Total | 112 | 100 |

**11970 please insert title**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 26 | 25 |
| G | 34 | 33 |
| E | 29 | 28 |
| O | 15 | 14 |
| Total | 104 | 100 |

**12014 please insert title**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 24 | 23 |
| G | 37 | 36 |
| E | 25 | 24 |
| O | 18 | 17 |
| Total | 104 | 100 |

**12015 please insert title**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 11 | 46 |
| G | 3 | 13 |
| E | 7 | 29 |
| O | 3 | 13 |
| Total | 24 | 100 |

**12025 please insert title**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 20 | 19 |
| G | 33 | 32 |
| E | 32 | 31 |
| O | 19 | 18 |
| Total | 104 | 100 |

**12041 please insert title**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 28 | 27 |
| G | 28 | 27 |
| E | 38 | 37 |
| O | 10 | 10 |
| Total | 104 | 100 |

**12049 please insert title**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 28 | 29 |
| G | 25 | 26 |
| E | 30 | 31 |
| O | 13 | 14 |
| Total | 96 | 100 |

* **11953**: From the above cluster diagram, it is observed that,total 36% of the students have rated course curriculum as Excellent and Outstanding.
* **11970**: From the above cluster diagram, it is observed that, total 42% of the students have rated course curriculum of as Excellent and Outstanding.
* **12014**: From the above cluster diagram, it is observed that, total 41% of the students have rated course curriculum as Excellent and Outstanding.
* **12015**: From the above cluster diagram, it is observed that, total 42% of the students have rated the course curriculum of Excellent and Outstanding.
* **12025**: From the above cluster diagram, it is observed that, total 49% of the students have rated the course curriculum of Excellent and Outstanding.
* **12041**: From the above cluster diagram, it is observed that, total 46% of the students have rated the course curriculum of Excellent and Outstanding.
* **12049**: From the above cluster diagram, it is observed that, total 45% of the students have rated the course curriculum of Excellent and Outstanding.
* Hence certain changes are required as per feedback of students.

**Analysis of students feedback about teachers**

In the second part the students have given their feedback about different characteristics of teachers about preparedness for each class, use of ICT tools, fair evaluation, punctuality, overall effectiveness, communication, clarity of concepts, listening skills and time management as per student satisfaction level students have rated in 4 levels:

A-Average

G-Good

E-Excellent

O-Outstanding

**The feedback of students is presented in tabular and graphical form as follows**:

**Teacher1 :Advanced Molecular Biology**

**11953 please insert title**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 17 | 35 |
| G | 7 | 15 |
| E | 16 | 33 |
| O | 8 | 17 |
| Total | 48 | 100 |

**11970 please insert title**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 46 | 29 |
| G | 59 | 38 |
| E | 31 | 20 |
| O | 20 | 13 |
| Total | 156 | 100 |

**12014 please insert title**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 34 | 22 |
| G | 73 | 47 |
| E | 37 | 24 |
| O | 12 | 8 |
| Total | 156 | 100 |

**12015 please insert title**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 18 | 50 |
| G | 7 | 19 |
| E | 10 | 28 |
| O | 1 | 3 |
| Total | 36 | 100 |

**12025**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 23 | 15 |
| G | 35 | 22 |
| E | 59 | 38 |
| O | 39 | 25 |
| Total | 156 | 100 |

**12041 please insert title**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 45 | 29 |
| G | 48 | 31 |
| E | 48 | 31 |
| O | 15 | 10 |
| Total | 156 | 100 |

**12049 please insert title**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 38 | 26 |
| G | 42 | 29 |
| E | 46 | 32 |
| O | 18 | 13 |
| Total | 144 | 100 |

* From the above cluster diagram, it is observed that, total **50%** of the students have rated the overall effectiveness of Teacher of **Paper ID 11953** as excellent and outstanding where as **50%** students rated the effectiveness as average and good.
* From the above cluster diagram, it is observed that, total **33%** of the students have rated the overall effectiveness of Teacher of **Paper ID 11970**as excellent and outstanding where as **67%** students rated the effectiveness as average and good.
* From the above cluster diagram, it is observed that, total **31%** of the students have rated the overall effectiveness of Teacher of **Paper ID 12014**as excellentand outstanding where as **69%** students rated the effectiveness as average and good.
* From the above cluster diagram, it is observed that, total **31%** of the students have rated the overall effectiveness of Teacher of **Paper ID 12015** as excellent and outstanding where as **69%** students rated the effectiveness as average and good.
* From the above cluster diagram, it is observed that, total **63%** of the students have rated the overall effectiveness of Teacher of **Paper ID 12025**as excellent and outstanding where as **37%** students rated the effectiveness as average and good.
* From the above cluster diagram, it is observed that, total **40%** of the students have rated the overall effectiveness of Teacher of **Paper ID 12041** as excellent and outstanding where as **60%** students rated the effectiveness as average and good.
* From the above cluster diagram, it is observed that, total **45%** of the students have rated the overall effectiveness of Teacher of **Paper ID 12049**as excellentand outstanding where as **55%** students rated the effectiveness as average and good.

**Analysis of feedbacks of students of Semester- IV of M.Sc. Statistics about Projects/Seminars/ Home assignments/ Tutorials:**

In part III students have given the feedback about Projects/Seminars/ Home assignments/ Tutorials as:

1. Project / Seminar topics are new and interesting
2. Learnt a lot from doing the project / Seminar? Home Assignment
3. The assignment was regularly given and checked
4. Sufficient number of practicals were conducted

as per student satisfaction level students have rated in 4 levels:

A-Average

G-Good

E-Excellent

O-Outstanding

**11953**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 17 | 30 |
| G | 15 | 27 |
| E | 17 | 30 |
| O | 7 | 13 |
| Total | 56 | 100 |

**11970**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 13 | 25 |
| G | 23 | 44 |
| E | 12 | 23 |
| O | 4 | 8 |
| Total | 52 | 100 |

**12014**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 13 | 25 |
| G | 24 | 46 |
| E | 11 | 21 |
| O | 4 | 8 |
| Total | 52 | 100 |

**12015**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 3 | 25 |
| G | 3 | 25 |
| E | 3 | 25 |
| O | 3 | 25 |
| Total | 12 | 100 |

**12025**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 8 | 15 |
| G | 14 | 27 |
| E | 21 | 40 |
| O | 9 | 17 |
| Total | 52 | 100 |

**12041**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 15 | 29 |
| G | 13 | 25 |
| E | 17 | 33 |
| O | 7 | 13 |
| Total | 52 | 100 |

**12049**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 12 | 25 |
| G | 15 | 31 |
| E | 17 | 35 |
| O | 4 | 8 |
| Total | 48 | 100 |

**The feedback of students about projects/ seminars/ assignments is presented in tabular and graphical form as follows**:

* From the above cluster diagram, it is observed that, **43%** of the students have rated different characteristics of seminars/ projects and assignments of**11953**as excellent and outstanding where as **57%** students rated as average and good.
* From the above cluster diagram, it is observed that, **31%** of the students have rated different characteristics of seminars/ projects and assignments of **11970**as excellent and outstanding where as **69%** students rated as average and good.
* From the above cluster diagram, it is observed that, **29%** of the students have rated different characteristics of seminars/ projects and assignments of **12014**as excellent and outstanding where as **71%** students rated as average and good.
* From the above cluster diagram, it is observed that, **50%** of the students have rated different characteristics of seminars/ projects and assignments of**12015** as excellent and outstandingwhere as **50%** students rated as average and good.
* From the above cluster diagram, it is observed that, **58%** of the students have rated different characteristics of seminars/ projects and assignments of **12025** as excellent and outstandingwhere as **42%** students rated as average and good.
* From the above cluster diagram, it is observed that, **46%** of the students have rated different characteristics of seminars/ projects and assignments of **12041**as excellent and outstandingwhere as 5**4%** students rated as average and good.
* From the above cluster diagram, it is observed that, **44%** of the students have rated different characteristics of seminars/ projects and assignments **12049** as excellent and outstanding where as **56%** students rated as average and good.

**The feedback of students about projects/ seminars/ assignments is presented in tabular and graphical form as follows**:

**Analysis of feedbacks of students of Semester- I of Environmental Science about criterion IV**

In part IV students have given overall feedback about 3 different aspects as follows:

1. I enjoyed the seminar, project, tutorials, home assignments.
2. I would recommend the course to others
3. Class environment was student friendly

**Overall 1 :11953**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 13 | 31 |
| G | 12 | 29 |
| E | 13 | 31 |
| O | 4 | 10 |
| Total | 42 | 100 |

**Overall 2 :11970**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 13 | 33 |
| G | 13 | 33 |
| E | 9 | 23 |
| O | 4 | 10 |
| Total | 39 | 100 |

**Overall 3 :12014**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 10 | 26 |
| G | 20 | 51 |
| E | 6 | 15 |
| O | 3 | 8 |
| Total | 39 | 100 |

**Overall 4 :12015**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 4 | 44 |
| G | 5 | 56 |
| E | 0 | 0 |
| O | 0 | 0 |
| Total | 9 | 100 |

**Overall 5 :12025**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 6 | 15 |
| G | 11 | 28 |
| E | 12 | 31 |
| O | 10 | 26 |
| Total | 39 | 100 |

**Overall 6 :12041**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 8 | 21 |
| G | 10 | 26 |
| E | 18 | 46 |
| O | 3 | 8 |
| Total | 39 | 100 |

**Overall 6 :12049**

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 5 | 14 |
| G | 14 | 39 |
| E | 13 | 36 |
| O | 4 | 11 |
| Total | 36 | 100 |

**Paper ID 11953 Overall review :**

* **40**% of the studentsmarked excellent & outstanding for the seminar, project, tutorials, home assignments&**60** % as Good & Average.

**Paper ID 11970 Overall review :**

* **33**% of the studentsmarked excellent & outstanding for the seminar, project, tutorials, home assignments&**67** % as Good & Average.

**Paper ID 12014 Overall review :**

* **23**% of the studentsmarked excellent & outstanding for the seminar, project, tutorials, home assignments&**77** % as Good & Average.

**Paper ID 12015 Overall review :**

* **0**% of the studentsmarked excellent & outstanding for the seminar, project, tutorials, home assignments&**100** % as Good & Average.

**Paper ID 12025 Overall review :**

* **57**% of the studentsmarked excellent & outstanding for the seminar, project, tutorials, home assignments&**43** % as Good & Average.

**Paper ID 12041 Overall review :**

* **54**% of the studentsmarked excellent & outstanding for the seminar, project, tutorials, home assignments&**46** % as Good & Average.

**Paper ID 12049 Overall review :**

* **47**% of the studentsmarked excellent & outstanding for the seminar, project, tutorials, home assignments&**53** % as Good & Average.

**Analysis of feedbacks of students of Semester- IV of M.Sc. Statistics about criterion VI, VII, VIII, IX and X**

In part VI, VII, VIII, IX and X the students have to give feedback as yes or no of single question

The summary of students feedback is summarized in the following table:

|  |  |  |
| --- | --- | --- |
| Feedback about Criterion | Yes  (%) | No  (%) |
| VI | 94 | 06 |
| VII | 97 | 03 |
| VIII | 97 | 03 |
| IX | 86 | 14 |
| X | 92 | 08 |

* **94**% of the students wish to have counseling by the teachers / experts for their personal or academic problem
* **97**% of the students of the students wish to have classes in soft skill and personality development
* **97**% of the students of the students wish to havemore industrial/ field visits
* **86**% of the students finds a positive change in department activities in this semester
* **92**% of the students of the students would like to be actively associated with alumni association