**Analysis of feedbacks of students of Semester-IV, Statistics, 2017-2018**

**Analysis of feedbacks of students about 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

The students graded the about course curriculum as follows:

Table 1: Subject wise Percentage of grades given by students for course curriculum

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Grades** | **Multivariate Analysis** | | **Actuarial Statistics** | | **Industrial Statistics-II** | | **Operations Research-II** | |
| Freq. | % | Freq. | % | Freq. |  | Freq. | % |
| A | 28 | 15 | 39 | 21 | 26 | 15 | 47 | 26 |
| G | 90 | 49 | 94 | 51 | 101 | 57 | 96 | 52 |
| E | 57 | 31 | 47 | 26 | 39 | 22 | 37 | 20 |
| O | 9 | 5 | 4 | 2 | 10 | 6 | 4 | 2 |
| Total | 184 | 100 | 184 | 100 | 176 | 100 | 184 | 100 |

**Multivariate Analysis**

* 5% of the students have rated course curriculum of Multivariate Analysis as outstanding
* 31% of the students have rated course curriculum of Multivariate Analysis as Excellent
* 49% of the students have rated course curriculum of Multivariate Analysis as good
* 15%of the students have rated course curriculum of Multivariate Analysis as average

**Actuarial Statistics**

* 2%of the students have rated course curriculum of Actuarial Statistics as outstanding
* 26**%** of the students have rated course curriculum of Actuarial Statistics as Excellent
* 51**%** of the students have rated course curriculum of Actuarial Statistics as good
* 21%of the students have rated course curriculum of Actuarial Statistics as average

**Industrial Statistics-II**

* 6%of the students have rated course curriculum of Industrial Statistics-II as outstanding
* 22**%** of the students have rated course curriculum of Industrial Statistics-II as Excellent
* 57% of the students have rated course curriculum of Industrial Statistics-II as good
* 15% of the students have rated course curriculum of Industrial Statistics-II as average

**Operations Research-II**

* 2%of the students have rated course curriculum of Operations Research-II as outstanding
* 20**%** of the students have rated course curriculum of Operations Research-II as Excellent
* 52% of the students have rated course curriculum of Operations Research-II as good
* 26% of the students have rated course curriculum of Operations Research-II as average

**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 classuse of ICT tools, fair evaluation, punctuality, overall effectiveness, communicationclarity 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

Table 2: Percentage of grades given by students for performance of teachers

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Grades** | **Multivariate Analysis** | | **Actuarial Statistics** | | **Industrial Statistics-II** | | **Operations Research-II** | |
| Freq. | % | Freq. | % | Freq. |  | Freq. | % |
| A | 32 | 12 | 82 | 30 | 28 | 11 | 62 | 22 |
| G | 89 | 32 | 149 | 54 | 144 | 55 | 157 | 57 |
| E | 127 | 46 | 37 | 13 | 76 | 29 | 51 | 18 |
| O | 28 | 10 | 8 | 3 | 16 | 6 | 6 | 2 |
| Total | 276 | 100 | 276 | 100 | 264 | 100 | 276 | 100 |

**Dr. C. D. Sonar**

* 10% of the students have rated performance of Dr. C. D. Sonar as outstanding
* 46% of the students have rated performance of Dr. C. D. Sonar as Excellent
* 32% of the students have rated performance of Dr. C. D. Sonar as good
* 12% of the students have rated performance of Dr. C. D. Sonar as average

**Dr. A. Y. Tayade**

* 3% of the students have rated performance of Dr. A. Y. Tayade as outstanding
* 13**%** of the students have rated performance of Dr. A. Y. Tayade as Excellent
* 54% of the students have rated performance of Dr. A. Y. Tayade as good
* 30% of the students have rated performance of Dr. A. Y. Tayade as average

**Dr. O. S. Jadhav**

* 6%of the students have rated performance of Dr. O. S. Jadhav as outstanding
* 29% of the students have rated performance of Dr. O. S. Jadhav as Excellent
* 55% of the students have rated performance of Dr. O. S. Jadhav as good
* 11% of the students have rated performance of Dr. O. S. Jadhav as average

**Dr. A. Y. Tayade**

* 2% of the students have rated performance of Dr. A. Y. Tayade as outstanding
* 18% of the students have rated performance of Dr. A. Y. Tayade as Excellent
* 57% of the students have rated performance of Dr. A. Y. Tayade as good
* 22% of the students have rated performance of Dr. A. Y. Tayade as average

**Analysis of feedbacks of students of Semester- I 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 practical were conducted

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

A-Average

G-Good

E-Excellent

O-Outstanding

Table 3: Subject wise Percentage of grades given by students for project/seminar/assignments

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Grades** | **Multivariate Analysis** | | **Actuarial Statistics** | | **Industrial Statistics-II** | | **Operations Research-II** | |
| Freq. | % | Freq. | % | Freq. |  | Freq. | % |
| A | 10 | 11 | 18 | 20 | 13 | 15 | 22 | 24 |
| G | 43 | 48 | 53 | 58 | 52 | 59 | 50 | 54 |
| E | 31 | 34 | 20 | 22 | 16 | 18 | 19 | 21 |
| O | 6 | 7 | 1 | 1 | 7 | 8 | 1 | 1 |
| Total | 90 | 100 | 92 | 100 | 88 | 100 | 92 | 100 |

**Multivariate Analysis**

* 7%of the students have rated Project/seminar/assignments of Multivariate Analysisas outstanding
* 34**%** of the students have rated Project/seminar/assignments of Multivariate AnalysisasExcellent
* 48% of the students have rated Project/seminar/assignments of Multivariate Analysisas good
* 11%of the students have rated Project/seminar/assignments of Multivariate Analysisas average

**Actuarial Statistics**

* 1% of the students have rated Project/seminar/assignments of Actuarial Statistics as outstanding
* 22**%** of the students have rated Project/seminar/assignments of Actuarial Statistics as Excellent
* 58% of the students have rated Project/seminar/assignments of Actuarial Statistics as good
* 20% of the students have rated Project/seminar/assignments of Actuarial Statistics as average

**Industrial Statistics-II**

* 8%of the students have rated Project/seminar/assignments of Industrial Statistics-II as outstanding
* 18**%** of the students have rated Project/seminar/assignments of Industrial Statistics-II as Excellent
* 59% of the students have rated Project/seminar/assignments of Industrial Statistics-II as good
* 15% of the students have rated Project/seminar/assignments of Industrial Statistics-II as average

**Operations Research-II**

* 1%of the students have rated Project/seminar/assignments of Operations Research-II as outstanding
* 21% of the students have rated Project/seminar/assignments of Operations Research-II as Excellent
* 54% of the students have rated Project/seminar/assignments of Operations Research-II as good
* 24% of the students have rated Project/seminar/assignments of Operations Research-II as average

**Criterion 4: Overall**

**The feedback of students Overall about Subjectis presented in tabular and graphical form as follows**:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Grades** | **Multivariate Analysis** | | **Actuarial Statistics** | | **Industrial Statistics-II** | | **Operations Research-II** | |
| Freq. | % | Freq. | % | Freq. |  | Freq. | % |
| A | 3 | 4 | 9 | 13 | 5 | 8 | 14 | 20 |
| G | 30 | 43 | 38 | 55 | 39 | 59 | 36 | 52 |
| E | 34 | 49 | 20 | 29 | 19 | 29 | 17 | 25 |
| O | 2 | 3 | 2 | 3 | 3 | 5 | 2 | 3 |
| Total | 69 | 100 | 69 | 100 | 66 | 100 | 69 | 100 |
|  |  |  |  |  |  |  |  |  |

**Multivariate Analysis**

* 3**%** of the students have rated Overall about Multivariate Analysis as outstanding
* 49% of the students have rated Overall about Multivariate Analysis as Excellent
* 43% of the students have rated Overall about Multivariate Analysis as good
* 4% of the students have rated Overall about Multivariate Analysis as average

**Actuarial Statistics**

* 3% of the students have rated Overall about Actuarial Statistics as outstanding
* 29% of the students have rated Overall about Actuarial Statistics as Excellent
* 55% of the students have rated Overall about Actuarial Statistics as good
* 13% of the students have rated Overall about of Actuarial Statistics as average

**Industrial Statistics-II**

* 5**%** of the students have rated Overall about Industrial Statistics-II as outstanding
* 29% of the students have rated Overall about Industrial Statistics-II as Excellent
* 59% of the students have rated Overall about Industrial Statistics-II as good
* 8% of the students have rated Overall about Industrial Statistics-IIas average

**Operations Research-II**

* 3% of the students have rated Overall about Operations Research-II as outstanding
* 25% of the students have rated Overall about Operations Research-II as Excellent
* 52% of the students have rated Overall about Operations Research-II as good
* 20% of the students have rated Overall about Operations Research-II as average