**Analysis of feedbacks of students of Semester- III, Chem. Tech.**

**Analysis of feedbacks of students of Semester- III, Chem. Tech. 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 field

As per their satisfaction in 4 levels:

1. Average
2. Good
3. Excellent
4. Outstanding

**Consolidated Representation and Inference: -**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Grade** | **Food Chemistry-I** | **Physiopharmacology-I** | **Basic Electricals & Electronics Engineering** | **Process Calculation** | **Basic Electricals & Electronics Engineering** | **Engineering Mathematics-III** | **Medicinal Chemistry-I** | **Fluid Mechanics** | **Food Microbiology** |
| **A** | 0 | 3 | 2 | 17 | 0 | 0 | 0 | 8 | 1 |
| **G** | 47 | 63 | 50 | 53 | 38 | 13 | 28 | 54 | 56 |
| **E** | 47 | 30 | 43 | 27 | 50 | 50 | 50 | 28 | 38 |
| **O** | 7 | 5 | 5 | 3 | 13 | 38 | 22 | 10 | 6 |

From the above cluster diagram, it is observed that,

Course Curriculum Feedback: Food Chemistry-I

* + **0%**of the students have rated course curriculum of Food Chemistry-I as Average.
  + **47%**of the students have rated course curriculum of Food Chemistry-I as Good.
  + **47%**of the students have rated course curriculum of Food Chemistry-Ias Excellent.
  + **7%**of the students have rated course curriculum of Food Chemistry-Ias Outstanding.

Course Curriculum Feedback: Physiopharmacology-I

* + **3%**of the students have rated course curriculum of Physiopharmacology-I as Average.
  + **63%**of the students have rated course curriculum of Physiopharmacology-Ias Good.
  + **30%**of the students have rated course curriculum of Physiopharmacology-Ias Excellent.
  + **5%**of the students have rated course curriculum of Physiopharmacology-Ias Outstanding.
* Course Curriculum Feedback: Basic Electricals & Electronics Engineering
  + **2%**of the students have rated course curriculum of Basic Electricals & Electronics Engineeringas Average.
  + **50%**of the students have rated course curriculum of Basic Electricals & Electronics Engineering as Good.
  + **43%**of the students have rated course curriculum of Basic Electricals & Electronics Engineering as Excellent.
  + **5%**of the students have rated course curriculum of Basic Electricals & Electronics Engineering as Outstanding.
* Course Curriculum Feedback: Process Calculation
  + **17%**of the students have rated course curriculum of Process Calculation as Average.
  + **53%**of the students have rated course curriculum of Process Calculationas Good.
  + **27%**of the students have rated course curriculum of Process Calculationas Excellent.
  + **3%**of the students have rated course curriculum of Process Calculationas Outstanding.
* Course Curriculum Feedback: Basic Electricals & Electronics Engineering
  + **0%**of the students have rated course curriculum of Basic Electricals & Electronics Engineering as Average.
  + **38%**of the students have rated course curriculum of Basic Electricals & Electronics Engineeringas Good.
  + **50%**of the students have rated course curriculum of Basic Electricals & Electronics Engineering as Excellent.
  + **13%**of the students have rated course curriculum of Basic Electricals & Electronics Engineeringas Outstanding.
* Course Curriculum Feedback: Engineering Mathematics-III
  + **0%**of the students have rated course curriculum of Engineering Mathematics-III as Average.
  + **13%**of the students have rated course curriculum of Engineering Mathematics-III as Good.
  + **50%**of the students have rated course curriculum of Engineering Mathematics-III as Excellent.
  + **38%**of the students have rated course curriculum of Engineering Mathematics-III as Outstanding.
* Course Curriculum Feedback: Medicinal Chemistry-I
  + **0%**of the students have rated course curriculum of Medicinal Chemistry-I as Average.
  + **28%**of the students have rated course curriculum of Medicinal Chemistry-I as Good.
  + **50%**of the students have rated course curriculum of Medicinal Chemistry-I as Excellent.
  + **22%**of the students have rated course curriculum of Medicinal Chemistry-I as Outstanding.
* Course Curriculum Feedback: Fluid Mechanics
  + **8%**of the students have rated course curriculum of Fluid Mechanics as Average.
  + **54%**of the students have rated course curriculum of Fluid Mechanicsas Good.
  + **28%**of the students have rated course curriculum of Fluid Mechanicsas Excellent.
  + **10%**of the students have rated course curriculum of Fluid Mechanicsas Outstanding.
* Course Curriculum Feedback: Food Microbiology
  + **1%**of the students have rated course curriculum of Food Microbiology as Average.
  + **56%**of the students have rated course curriculum of Food Microbiologyas Good.
  + **38%**of the students have rated course curriculum of Food Microbiologyas Excellent.
  + **6%**of the students have rated course curriculum of Food Microbiologyas Outstanding.

**Criteria 2.**

**Analysis of student’s 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

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Grade** | **Food Chemistry-I** | **Physiopharmacology-I** | **Basic Electricals & Electronics Engineering** | **Process Calculation** | **Engineering Mathematics-III** | **Basic Electricals & Electronics Engineering** | **Medicinal Chemistry-I** | **Fluid Mechanics** | **Food Microbiology** |
| **A** | 17 | 7 | 17 | 1 | 3 | 0 | 10 | 2 | 5 |
| **G** | 23 | 32 | 54 | 35 | 68 | 78 | 40 | 59 | 45 |
| **E** | 53 | 52 | 24 | 59 | 13 | 14 | 50 | 35 | 33 |
| **O** | 8 | 10 | 5 | 5 | 17 | 8 | 0 | 4 | 17 |

* Teachers feedback: Food Chemistry-I
  + **17%**of the students have rated course curriculum of Food Chemistry-I as Average.
  + **23%**of the students have rated course curriculum of Food Chemistry-I as Good.
  + **53%**of the students have rated course curriculum of Food Chemistry-I as Excellent.
  + **8%**of the students have rated course curriculum of Food Chemistry-I as Outstanding.
* Teachers feedback: Physiopharmacology-I
  + **7%**of the students have rated course curriculum of Physiopharmacology-I as Average.
  + **32%**of the students have rated course curriculum of Physiopharmacology-I as Good.
  + **52%**of the students have rated course curriculum of Physiopharmacology-I as Excellent.
  + **10%**of the students have rated course curriculum of Physiopharmacology-I as Outstanding.
* Teachers feedback: Basic Electricals & Electronics Engineering
  + **17%**of the students have rated course curriculum of Basic Electricals & Electronics Engineering as Average.
  + **54%**of the students have rated course curriculum of Basic Electricals & Electronics Engineering as Good.
  + **24%**of the students have rated course curriculum of Basic Electricals & Electronics Engineering as Excellent.
  + **5%**of the students have rated course curriculum of Basic Electricals & Electronics Engineering as Outstanding.
* Teachers feedback: Process Calculation
  + **1%**of the students have rated course curriculum of Process Calculation as Average.
  + **35%**of the students have rated course curriculum of Process Calculation as Good.
  + **59%**of the students have rated course curriculum of Process Calculation as Excellent.
  + **5%**of the students have rated course curriculum of Process Calculation as Outstanding.
* Teachers feedback: Engineering Mathematics-III
  + **3%**of the students have rated course curriculum of Engineering Mathematics-III as Average.
  + **68%**of the students have rated course curriculum of Engineering Mathematics-III as Good.
  + **13%**of the students have rated course curriculum of Engineering Mathematics-III as Excellent.
  + **17%**of the students have rated course curriculum of Engineering Mathematics-III as Outstanding.
* Teachers feedback: Basic Electricals & Electronics Engineering
  + **0%**of the students have rated course curriculum of Basic Electricals & Electronics Engineering as Average.
  + **78%**of the students have rated course curriculum of Basic Electricals & Electronics Engineering as Good.
  + **14%**of the students have rated course curriculum of Basic Electricals & Electronics Engineering as Excellent.
  + **8%**of the students have rated course curriculum of Basic Electricals & Electronics Engineering as Outstanding.
* Teachers feedback: Engineering Mathematics-III
  + **6%**of the students have rated course curriculum of Engineering Mathematics-III as Average.
  + **47%**of the students have rated course curriculum of Engineering Mathematics-III as Good.
  + **29%**of the students have rated course curriculum of Engineering Mathematics-III as Excellent.
  + **18%**of the students have rated course curriculum of Engineering Mathematics-III as Outstanding.
* Teachers feedback: Medicinal Chemistry-I
  + **10%**of the students have rated course curriculum of Medicinal Chemistry-I as Average.
  + **40%**of the students have rated course curriculum of Medicinal Chemistry-I as Good.
  + **50%**of the students have rated course curriculum of Medicinal Chemistry-I as Excellent.
  + **0%**of the students have rated course curriculum of Medicinal Chemistry-I as Outstanding.
* Teachers feedback: Fluid Mechanics
  + **2%**of the students have rated course curriculum of Fluid Mechanics as Average.
  + **59%**of the students have rated course curriculum of Fluid Mechanics as Good.
  + **35%**of the students have rated course curriculum of Fluid Mechanics as Excellent.
  + **4%**of the students have rated course curriculum of Fluid Mechanics as Outstanding.
* Teachers feedback: Food Microbiology
  + **5%**of the students have rated course curriculum of Food Microbiology as Average.
  + **45%**of the students have rated course curriculum of Food Microbiology as Good.
  + **33%**of the students have rated course curriculum of Food Microbiology as Excellent.
  + **17%**of the students have rated course curriculum of Food Microbiology as Outstanding.

**Criteria 3.**

**Analysis of feedbacks of students of Semester- IIIrdof Chem Tech. 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’s were conducted

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

A-Average

G-Good

E-Excellent

O-Outstanding

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

Subject wise percentage of grades given by students for project/seminar/assignments

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Grade** | **Food Chemistry-I** | **Physiopharmacology-I** | **Basic Electricals & Electronics Engineering** | **Process Calculation** | **Engineering Mathematics-III** | **Basic Electricals & Electronics Engineering** | **Medicinal Chemistry-I** | **Fluid Mechanics** | **Food Microbiology** |
| **A** | 23 | 10 | 17 | 4 | 3 | 0 | 19 | 6 | 5 |
| **G** | 30 | 45 | 56 | 29 | 65 | 67 | 50 | 58 | 66 |
| **E** | 43 | 35 | 25 | 60 | 18 | 33 | 31 | 31 | 18 |
| **O** | 5 | 10 | 2 | 6 | 15 | 0 | 0 | 6 | 11 |

From the above cluster diagram, it is observed that,

* **Projects/ seminars/ assignments Feedback**: Food Chemistry-I
  + **23%**of the students have rated project/seminar/assignments of Food Chemistry-I as Average.
  + **30%**of the students have rated project/seminar/assignments of Food Chemistry-I as Good.
  + **43%**of the students have rated project/seminar/assignments of Food Chemistry-I as Excellent.
  + **5%**of the students have rated project/seminar/assignments of Food Chemistry-I as Outstanding.
* **Projects/ seminars/ assignments Feedback**: Physiopharmacology-I
  + **10%**of the students have rated project/seminar/assignments of Physiopharmacology-I as Average.
  + **45%**of the students have rated project/seminar/assignments of Physiopharmacology-I as Good.
  + **35%**of the students have rated project/seminar/assignments of Physiopharmacology-I as Excellent.
  + **10%**of the students have rated project/seminar/assignments of Physiopharmacology-I as Outstanding.
* **Projects/seminars/ assignments Feedback**: Basic Electricals & Electronics Engineering
  + **17%**of the students have rated project/seminar/assignments of Basic Electricals & Electronics Engineering as Average.
  + **56%**of the students have rated project/seminar/assignments of Basic Electricals & Electronics Engineering as Good.
  + **25%**of the students have rated project/seminar/assignments of Basic Electricals & Electronics Engineering as Excellent.
  + **2%**of the students have rated project/seminar/assignments of Basic Electricals & Electronics Engineering as Outstanding.
* **Projects/ seminars/ assignments Feedback**: Process Calculation
  + **4%**of the students have rated project/seminar/assignments of Process Calculation as Average.
  + **29%**of the students have rated project/seminar/assignments of Process Calculation as Good.
  + **60%**of the students have rated project/seminar/assignments of Process Calculation as Excellent.
  + **6%**of the students have rated project/seminar/assignments of Process Calculation as Outstanding.
* **Projects/ seminars/ assignments Feedback**: Engineering Mathematics-III
  + **3%**of the students have rated project/seminar/assignments of Engineering Mathematics-III as Average.
  + **65%**of the students have rated project/seminar/assignments of Engineering Mathematics-III as Good.
  + **18%**of the students have rated project/seminar/assignments of Engineering Mathematics-III as Excellent.
  + **15%**of the students have rated project/seminar/assignments of Engineering Mathematics-III as Outstanding.
* **Projects/ seminars/ assignments Feedback**: Basic Electricals & Electronics Engineering
  + **0%**of the students have rated project/seminar/assignments of Basic Electricals & Electronics Engineering as Average.
  + **67%**of the students have rated project/seminar/assignments of Basic Electricals & Electronics Engineering as Good.
  + **33%**of the students have rated project/seminar/assignments of Basic Electricals & Electronics Engineering as Excellent.
  + **0%**of the students have rated project/seminar/assignments of Basic Electricals & Electronics Engineering as Outstanding.
* **Projects/ seminars/ assignments Feedback**: Medicinal Chemistry-I
  + **19%**of the students have rated project/seminar/assignments of Medicinal Chemistry-I as Average.
  + **50%**of the students have rated project/seminar/assignments of Medicinal Chemistry-I as Good.
  + **31%**of the students have rated project/seminar/assignments of Medicinal Chemistry-I as Excellent.
  + **0%**of the students have rated project/seminar/assignments of Medicinal Chemistry-I as Outstanding.
* **Projects/ seminars/ assignments Feedback**: Fluid Mechanics
  + **6%**of the students have rated project/seminar/assignments of Fluid Mechanics as Average.
  + **58%**of the students have rated project/seminar/assignments of Fluid Mechanics as Good.
  + **31%**of the students have rated project/seminar/assignments of Fluid Mechanics as Excellent.
  + **6%**of the students have rated project/seminar/assignments of Fluid Mechanics as Outstanding.
* **Projects/ seminars/ assignments Feedback**: Food Microbiology
  + **5%**of the students have rated project/seminar/assignments of Food Microbiology as Average.
  + **66%**of the students have rated project/seminar/assignments of Food Microbiology as Good.
  + **18%**of the students have rated project/seminar/assignments of Food Microbiology as Excellent.
  + **11%**of the students have rated project/seminar/assignments of Food Microbiology as Outstanding.

**Criteria 4.**

**Analysis of feedbacks of students of Semester- IIIrd of Economic about Over All**

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

A-Average

G-Good

E-Excellent

O-Outstanding

**The feedback of students about Over All assignments is presented in tabular and graphical form as follows**:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Grade** | **Food Chemistry-I** | **Physiopharmacology-I** | **Basic Electricals & Electronics Engineering** | **Process Calculation** | **Engineering Mathematics-III** | **Medicinal Chemistry-I** | **Fluid Mechanics** | **Food Microbiology** |
| **A** | 15 | 0 | 15 | 0 | 7 | 0 | 0 | 0 |
| **G** | 30 | 60 | 56 | 33 | 60 | 67 | 70 | 55 |
| **E** | 52 | 33 | 23 | 61 | 17 | 33 | 30 | 36 |
| **O** | 3 | 7 | 5 | 6 | 17 | 0 | 0 | 9 |

From the above cluster diagram, it is observed that,

* **Overall: Food Chemistry-I**
  + **15%**of the students have rated overall course of Food Chemistry-I as Average.
  + **30%**of the students have rated overall course of Food Chemistry-I as Good.
  + **52%**of the students have rated overall course of Food Chemistry-I as Excellent.
  + **3%**of the students have rated overall course of Food Chemistry-I as Outstanding.

**Overall: Physiopharmacology-I**

* + **0%**of the students have rated overall course of Physiopharmacology-I as Average.
  + **60%**of the students have rated overall course of Physiopharmacology-I as Good.
  + **33%**of the students have rated overall course of Physiopharmacology-I as Excellent.
  + **7%**of the students have rated overall course of Physiopharmacology-I as Outstanding.
* **Overall:**: **Basic Electricals & Electronics Engineering**
  + **15%**of the students have rated overall course of Basic Electricals & Electronics Engineering as Average.
  + **56%**of the students have rated overall course of Basic Electricals & Electronics Engineering as Good.
  + **23%**of the students have rated overall course of Basic Electricals & Electronics Engineering as Excellent.
  + **5%**of the students have rated overall course of Basic Electricals & Electronics Engineering as Outstanding.
* **Overall:**: **Process Calculation**
  + **0%**of the students have rated overall course of Process Calculation as Average.
  + **33%**of the students have rated overall course of Process Calculation as Good.
  + **61%**of the students have rated overall course of Process Calculation as Excellent.
  + **6%**of the students have rated overall course of Process Calculation as Outstanding.
* **Overall:**: **Medicinal Chemistry-I**
  + **%**of the students have rated overall course of Medicinal Chemistry-I as Average.
  + **67%**of the students have rated overall course of Medicinal Chemistry-I as Good.
  + **33%**of the students have rated overall course of Medicinal Chemistry-I as Excellent.
  + **0%**of the students have rated overall course of Medicinal Chemistry-I as Outstanding.
* **Overall:**: **Fluid Mechanics**
  + **0%**of the students have rated overall course of Fluid Mechanics as Average.
  + **70%**of the students have rated overall course of Fluid Mechanics as Good.
  + **30%**of the students have rated overall course of Fluid Mechanics as Excellent.
  + **0%**of the students have rated overall course of Fluid Mechanics as Outstanding.
* **Overall:**: **Food Microbiology**
  + **0%**of the students have rated overall course of Food Microbiology as Average.
  + **55%**of the students have rated overall course of Food Microbiology as Good.
  + **36%**of the students have rated overall course of Food Microbiology as Excellent.
  + **9%**of the students have rated overall course of Food Microbiology as Outstanding.