**Analysis of feedbacks of students of Semester- II, M.Sc. Chemistry, 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 field as 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: Frequencies of grades given by students for course curriculum

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Grade | Research Methodology | Physical Chemistry | Organic Chemistry | Inorganic Chemistry | Analytical Chemistry | Review of Literature |
| A | 25 | 18 | 9 | 4 | 8 | 14 |
| G | 315 | 275 | 56 | 93 | 95 | 126 |
| E | 798 | 699 | 346 | 373 | 348 | 396 |
| O | 766 | 471 | 365 | 306 | 325 | 318 |
| Total | 1904 | 1463 | 776 | 776 | 776 | 854 |

Table 2: Percentage of grades given by students for course curriculum

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Grade | Research Methodology | Physical Chemistry | Organic Chemistry | Inorganic Chemistry | Analytical Chemistry | Review of Literature |
| A | 1 | 1 | 1 | 1 | 1 | 2 |
| G | 17 | 19 | 7 | 12 | 12 | 15 |
| E | 42 | 48 | 45 | 48 | 45 | 46 |
| O | 40 | 32 | 47 | 39 | 42 | 37 |
| Total | 100 | 100 | 100 | 100 | 100 | 100 |

 Fig. 1: Graphical representation of grades given to course curriculum by students

**Course Curriculum Feedback: Reserch Methodology**

* 42**%** of the students have rated course curriculum of Research Methodology as outstanding
* 40% of the students have rated course curriculum of Research Methodology as Excellent
* 17% of the students have rated course curriculum of Research Methodology as good
* 1% of the students have rated course curriculum of Research Methodology as average

**Course Curriculum Feedback: Physical Chemistry**

* 48**%** of the students have rated course curriculum of Physical Chemistry as Excellent
* 32**%** of the students have rated course curriculum of Physical Chemistry as outstanding
* 19**%** of the students have rated course curriculum of Physical Chemistry as good
* 1% of the students have rated course curriculum of Physical Chemistry as average

**Course Curriculum Feedback: Organic Chemistry**

* 45**%** of the students have rated course curriculum of Organic Chemistry as Excellent
* 47**%** of the students have rated course curriculum of Organic Chemistry as outstanding
* 7% of the students have rated course curriculum of Organic Chemistry as good
* 1% of the students have rated course curriculum of Organic Chemistry as average

**Course Curriculum Feedback: Inorganic Chemistry**

* 48**%** of the students have rated course curriculum of Inorganic Chemistry as Excellent
* 39**%** of the students have rated course curriculum of Inorganic Chemistry as outstanding
* 12% of the students have rated course curriculum of Inorganic Chemistry as good
* 1% of the students have rated course curriculum of Inorganic Chemistry as average

**Course Curriculum Feedback: Analytical Chemistry**

* 45**%** of the students have rated course curriculum of Analytical Chemistry as Excellent
* 42**%** of the students have rated course curriculum of Analytical Chemistry as outstanding
* 12**%** of the students have rated course curriculum of Analytical Chemistry as good
* 1% of the students have rated course curriculum of Analytical Chemistry as average

**Course Curriculum Feedback: Review of Literature**

* 46**%** of the students have rated course curriculum of Review of Literature as Excellent
* 37**%** of the students have rated course curriculum of Review of Literature as outstanding
* 15% of the students have rated course curriculum of Review of Literature as good
* 2% of the students have rated course curriculum of Review of Literature 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 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 given by students of teachers in tabular and graphical form as follows**:

Table 3: Frequencies of grades given by students for performance of teachers

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Grade | Research Methodology | Physical Chemistry | Organic Chemistry | Inorganic Chemistry | Analytical Chemistry | Review of Literature |
| A | 33 | 44 | 5 | 21 | 0 | 5 |
| G | 283 | 382 | 150 | 139 | 63 | 145 |
| E | 1314 | 1128 | 576 | 583 | 220 | 433 |
| O | 1286 | 1050 | 433 | 336 | 173 | 545 |
| Total | 2916 | 2604 | 1164 | 1079 | 456 | 1128 |

Table 4: Percentage of grades given by students for performance of teachers

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Grade | Research Methodology | Physical Chemistry | Organic Chemistry | Inorganic Chemistry | Analytical Chemistry | Review of Literature |
| A | 1 | 2 | 0 | 2 | 0 | 0 |
| G | 10 | 15 | 13 | 13 | 14 | 13 |
| E | 45 | 43 | 49 | 54 | 48 | 38 |
| O | 44 | 40 | 37 | 31 | 38 | 48 |
| Total | 100 | 100 | 100 | 100 | 100 | 100 |

Fig. 2 : Graphical representation of grades given to teachers by students

**Teacher’s Feedback: Reserch Methodology**

* 44**%** of the students have rated performance of teacher of Research Methodology as outstanding
* 45% of the students have rated performance of teacher of Research Methodology as Excellent
* 10% of the students have rated performance of teacher of Research Methodology as good
* 1% of the students have rated performance of teacher of Research Methodology as average

**Teacher’s Feedback: Physical Chemistry**

* 43**%** of the students have rated performance of teacher of Physical Chemistry as Excellent
* 40**%** of the students have rated performance of teacher of Physical Chemistry as outstanding
* 15**%** of the students have rated performance of teacher of Physical Chemistry as good
* 2% of the students have rated performance of teacher of Physical Chemistry as average

**Teacher’s Feedback: Organic Chemistry**

* 49**%** of the students have rated performance of teacher of Organic Chemistry as Excellent
* 37**%** of the students have rated performance of teacher of Organic Chemistry as outstanding
* 13% of the students have rated performance of teacher of Organic Chemistry as good
* 0% of the students have rated performance of teacher of Organic Chemistry as average

**Teacher’s Feedback: Inorganic Chemistry**

* 54**%** of the students have rated performance of teacher of Inorganic Chemistry as Excellent
* 31**%** of the students have rated performance of teacher of Inorganic Chemistry as outstanding
* 13% of the students have rated performance of teacher of Inorganic Chemistry as good
* 2% of the students have rated performance of teacher of Inorganic Chemistry as average

**Teacher’s Feedback: Analytical Chemistry**

* 48**%** of the students have rated performance of teacher of Analytical Chemistry as Excellent
* 38**%** of the students have rated performance of teacher of Analytical Chemistry as outstanding
* 14**%** of the students have rated performance of teacher of Analytical Chemistry as good
* 0% of the students have rated performance of teacher of Analytical Chemistry as average

**Teacher’s Feedback: Review of Literature**

* 38**%** of the students have rated performance of teacher of Review of Literature as Excellent
* 48**%** of the students have rated performance of teacher of Review of Literature as outstanding
* 13% of the students have rated performance of teacher of Review of Literature as good
* 0% of the students have rated performance of teacher of Review of Literature 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 practicals were conducted

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

A-Average

G-Good

E-Excellent

O-Outstanding

Table 5: Subject wise frequency of grades given by students for project/seminar/assignments

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Grade | Research Methodology | Physical Chemistry | Organic Chemistry | Inorganic Chemistry | Analytical Chemistry | Review of Literature |
| A | 12 | 6 | 3 | 1 | 3 | 7 |
| G | 159 | 126 | 25 | 51 | 43 | 64 |
| E | 412 | 359 | 171 | 212 | 178 | 204 |
| O | 369 | 241 | 189 | 124 | 164 | 153 |
| Total | 952 | 732 | 388 | 388 | 388 | 428 |

Table 6: Subject wise percentage of grades given by students for project/seminar/assignments

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Grade | Research Methodology | Physical Chemistry | Organic Chemistry | Inorganic Chemistry | Analytical Chemistry | Review of Literature |
| A | 1 | 1 | 1 | 0 | 1 | 2 |
| G | 17 | 17 | 6 | 13 | 11 | 15 |
| E | 43 | 49 | 44 | 55 | 46 | 48 |
| O | 39 | 33 | 49 | 32 | 42 | 36 |
| Total | 100 | 100 | 100 | 100 | 100 | 100 |

 Fig. 3: Graphical representation of grades given by students for project/seminar/assignments

**Research Methodology**

* 43**%** of the students have rated Project/seminar/assignments of Analytical Chemistry as Excellent
* 39**%** of the students have rated Project/seminar/assignments of Analytical Chemistry as outstanding
* 17% of the students have rated Project/seminar/assignments of Analytical Chemistry as good
* 1% of the students have rated Project/seminar/assignments of Analytical Chemistry as average

**Physical Chemistry**

* 49**%** of the students have rated Project/seminar/assignments of Physical Chemistry as Excellent
* 33% of the students have rated Project/seminar/assignments of Physical Chemistry as outstanding
* 17% of the students have rated Project/seminar/assignments of Physical Chemistry as good
* 1% of the students have rated Project/seminar/assignments of Physical Chemistry as average

**Inorganic Chemistry**

* 55**%** of the students have rated Project/seminar/assignments of Inorganic Chemistry as Excellent
* 32**%** of the students have rated Project/seminar/assignments of Inorganic Chemistry as outstanding
* 13% of the students have rated Project/seminar/assignments of Inorganic Chemistry as good
* None of the students have rated Project/seminar/assignments of Inorganic Chemistry as average

**Organic Chemistry**

* 50**%** of the students have rated Project/seminar/assignments of Organic Chemistry as Excellent
* 50**%** of the students have rated Project/seminar/assignments of Organic Chemistry as outstanding
* None of the students have rated Project/seminar/assignments of Organic Chemistry as good
* None of the students have rated Project/seminar/assignments of Organic Chemistry as average

**Analytical Chemistry**

* 46**%** of the students have rated Project/seminar/assignments of Analytical Chemistry as Excellent
* 42**%** of the students have rated Project/seminar/assignments of Analytical Chemistry as outstanding
* 11% of the students have rated Project/seminar/assignments of Analytical Chemistry as good
* 1% of the students have rated Project/seminar/assignments of Analytical Chemistry as average

**Review of Literature**

* 48**%** of the students have rated Project/seminar/assignments of Review of Literature as Excellent
* 36% of the students have rated Project/seminar/assignments of Review of Literature as outstanding
* 15**%** of the students have rated Project/seminar/assignments of Review of Literature as good
* 2% of the students have rated Project/seminar/assignments of Review of Literature as average

**Criterion 5: Infrastructure**

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

 Table 5: Infrastructure feedback summary

|  |  |  |
| --- | --- | --- |
| Grade | Frequency | Percent |
| A | 188 | 18 |
| G | 225 | 22 |
| E | 393 | 38 |
| O | 216 | 21 |
| Total | 1022 | 100 |

* 38**%** of the students have rated Infrastructure facilities in the department as Excellent
* 21**%** of the students have rated Infrastructure facilities in the department as outstanding
* 22% of the students have rated Infrastructure facilities in the department as good
* 18% of the students have rated Infrastructure facilities in the department as average

**Analysis of feedbacks of students of 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 | 48 | 52 |
| VII | 80 | 20 |
| VIII | 78 | 22 |
| IX | 68 | 32 |
| X | 62 | 32 |

* **93**% of the students wish to have counseling by the teachers / experts for their personal or academic problem.
* **98**% 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 have more industrial/ field visits.
* **99**% of the students finds a positive change in department activities in this semester.
* **99**% of the students of the students would like to be actively associated with alumni association