**Analysis of feedbacks of students of Semester- II, M.Sc. Nanotechnology, 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 | IC 100 | NAN0 111 | NANO 112 | NANO 113 | NANO 114 | NANO 115  | NANO 116  | NANO 117 |
| Average | 13 | 15 | 12 | 8 | 6 | 16 | 14 | 17 |
| Good | 14 | 14 | 12 | 8 | 22 | 14 | 18 | 14 |
| Excellent | 4 | 2 | 5 | 7 | 4 | 0 | 0 | 1 |
| Outstanding | 1 | 1 | 3 | 9 | 0 | 2 | 0 | 0 |
| Total | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |

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

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Grade | IC 100 | NAN0 111 | NANO 112 | NANO 113 | NANO 114 | NANO 115  | NANO 116  | NANO 117 |
| Average | 41 | 47 | 38 | 25 | 19 | 50 | 44 | 53 |
| Good | 44 | 44 | 38 | 25 | 69 | 44 | 56 | 44 |
| Excellent | 13 | 6 | 16 | 22 | 13 | 0 | 0 | 3 |
| Outstanding | 3 | 3 | 9 | 28 | 0 | 6 | 0 | 0 |
| Total | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

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

**Course Curriculum Feedback: Reserch Methodology**

* 3**%** of the students have rated course curriculum of IC 100 as outstanding
* 13% of the students have rated course curriculum of IC 100 as Excellent
* 44% of the students have rated course curriculum of IC 100 as good
* 41% of the students have rated course curriculum of IC 100 as average

**Course Curriculum Feedback: NANO 111**

* 3**%** of the students have rated course curriculum of NANO 112 as Excellent
* 6**%** of the students have rated course curriculum of NANO 112 as outstanding
* 44**%** of the students have rated course curriculum of NANO 112 as good
* 47% of the students have rated course curriculum of NANO 112 as average

**Course Curriculum Feedback: NANO 112**

* 9**%** of the students have rated course curriculum of NANO 112 as Excellent
* 16**%** of the students have rated course curriculum of NANO 112 as outstanding
* 38**%** of the students have rated course curriculum of NANO 112 as good
* 38% of the students have rated course curriculum of NANO 112 as average

**Course Curriculum Feedback: NANO 113**

* 22**%** of the students have rated course curriculum of NANO 113 as Excellent
* 28**%** of the students have rated course curriculum of NANO 113 as outstanding
* 25% of the students have rated course curriculum of NANO 113 as good
* 25% of the students have rated course curriculum of NANO 113 as average

**Course Curriculum Feedback: NANO 114**

* 0**%** of the students have rated course curriculum of NANO 114 as Excellent
* 13**%** of the students have rated course curriculum of NANO 114 as outstanding
* 69% of the students have rated course curriculum of NANO 114 as good
* 19% of the students have rated course curriculum of NANO 114 as average

**Course Curriculum Feedback: NANO 115**

* 0**%** of the students have rated course curriculum of NANO 115 as Excellent
* 6**%** of the students have rated course curriculum of NANO 115 as outstanding
* 44% of the students have rated course curriculum of NANO 115 as good
* 50% of the students have rated course curriculum of NANO 115 as average

**Course Curriculum Feedback: NANO 116**

* None of the students have rated course curriculum of NANO 116 as Excellent
* None of the students have rated course curriculum of NANO 116 as outstanding
* 56 % of the students have rated course curriculum of NANO 116 as good
* 44% of the students have rated course curriculum of NANO 116 as average

**Course Curriculum Feedback: NANO 117**

* **3%** of the students have rated course curriculum of NANO 117 as Excellent
* 0**%** of the students have rated course curriculum of NANO 117 as outstanding
* 44% of the students have rated course curriculum of NANO 117 as good
* 53% of the students have rated course curriculum of NANO 117 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 | IC 100 | NAN 0111 | NANO 112 | NANO 113 | NANO 114 | NANO 115  | NANO 116  | NANO 117 |
| A | 15 | 13 | 14 | 11 | 12 | 9 | 13 | 19 |
| G  | 25 | 23 | 22 | 18 | 28 | 27 | 24 | 21 |
| E | 7 | 10 | 9 | 14 | 6 | 6 | 8 | 4 |
| O | 1 | 2 | 3 | 5 | 2 | 6 | 3 | 4 |
| Total | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |

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

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Grade | IC 100 | NAN 0111 | NANO 112 | NANO 113 | NANO 114 | NANO 115  | NANO 116  | NANO 117 |
| Average | 31 | 27 | 29 | 23 | 25 | 19 | 27 | 40 |
| Good | 52 | 48 | 46 | 38 | 58 | 56 | 50 | 44 |
| Excellent | 15 | 21 | 19 | 29 | 13 | 13 | 17 | 8 |
| Outstanding | 2 | 4 | 6 | 10 | 4 | 13 | 6 | 8 |
| Total | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

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

**Teacher’s Feedback:IC 100**

* 15**%** of the students have rated performance of teacher of IC 100 as outstanding
* 2% of the students have rated performance of teacher of IC 100 as Excellent
* 52% of the students have rated performance of teacher of IC 100 as good
* 31% of the students have rated performance of teacher of IC 100 as average

**Teacher’s Feedback: NANO 111**

* 4**%** of the students have rated performance of teacher of NANO 111 as Excellent
* 21**%** of the students have rated performance of teacher of NANO 111 as outstanding
* 48**%** of the students have rated performance of teacher of NANO 111 as good
* 27% of the students have rated performance of teacher of NANO 111 as average

**Teacher’s Feedback: NANO 112**

* 6**%** of the students have rated performance of teacher of NANO 112 as Excellent
* 19**%** of the students have rated performance of teacher of NANO 112 as outstanding
* 46**%** of the students have rated performance of teacher of NANO 112 as good
* 29% of the students have rated performance of teacher of NANO 112 as average

**Teacher’s Feedback: NANO 113**

* 10**%** of the students have rated performance of teacher of NANO 113 as Excellent
* 29**%** of the students have rated performance of teacher of NANO 113 as outstanding
* 38% of the students have rated performance of teacher of NANO 113 as good
* 23% of the students have rated performance of teacher of NANO 113 as average

**Teacher’s Feedback: NANO 114**

* 4**%** of the students have rated performance of teacher of NANO 114 as Excellent
* 13**%** of the students have rated performance of teacher of NANO 114 as outstanding
* 58**%** of the students have rated performance of teacher of NANO 114 as good
* 25% of the students have rated performance of teacher of NANO 114 as average

**Teacher’s Feedback: NANO 115**

* 13**%** of the students have rated performance of teacher of NANO 115 as Excellent
* 13**%** of the students have rated performance of teacher of NANO 115 as outstanding
* 56% of the students have rated performance of teacher of NANO 115 as good
* 19% of the students have rated performance of teacher of NANO 115 as average

**Teacher’s Feedback: NANO 116**

* 6**%** of the students have rated performance of teacher of NANO 116 as Excellent
* 17**%** of the students have rated performance of teacher of NANO 116 as outstanding
* 50% of the students have rated performance of teacher of NANO 116 as good
* 27% of the students have rated performance of teacher of NANO 116 as average

**Teacher’s Feedback: NANO 117**

* 8**%** of the students have rated performance of teacher of NANO 117 as Excellent
* 8**%** of the students have rated performance of teacher of NANO 117 as outstanding
* 44% of the students have rated performance of teacher of NANO 117 as good
* 40% of the students have rated performance of teacher of NANO 117 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 | IC 100 | NAN 0111 | NANO 112 | NANO 113 | NANO 114 | NANO 115  | NANO 116  | NANO 117 |
| A | 4 | 4 | 6 | 5 | 2 | 5 | 8 | 4 |
| G  | 4 | 5 | 5 | 3 | 7 | 3 | 3 | 6 |
| E | 1 | 2 | 2 | 3 | 4 | 2 | 3 | 3 |
| O | 3 | 3 | 1 | 3 | 1 | 4 | 0 | 1 |
| Total | 12 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |

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

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Grade | IC 100 | NAN 0111 | NANO 112 | NANO 113 | NANO 114 | NANO 115  | NANO 116  | NANO 117 |
| Average | 33 | 29 | 43 | 36 | 14 | 36 | 57 | 29 |
| Good | 33 | 36 | 36 | 21 | 50 | 21 | 21 | 43 |
| Excellent | 8 | 14 | 14 | 21 | 29 | 14 | 21 | 21 |
| Outstanding | 25 | 21 | 7 | 21 | 7 | 29 | 0 | 7 |
| Total | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

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

**IC 100**

* 8**%** of the students have rated Project/seminar/assignments of IC100 as Excellent
* 25**%** of the students have rated Project/seminar/assignments of IC100 as outstanding
* 33% of the students have rated Project/seminar/assignments of IC100 as good
* 33% of the students have rated Project/seminar/assignments of IC100 as average

**IC 111**

* 14**%** of the students have rated Project/seminar/assignments of NANO 111 as Excellent
* 21**%** of the students have rated Project/seminar/assignments of NANO 111 as outstanding
* 36% of the students have rated Project/seminar/assignments of NANO 111 as good
* 29% of the students have rated Project/seminar/assignments of NANO 111 as average

**NANO 112**

* 14**%** of the students have rated Project/seminar/assignments of NANO 112 as Excellent
* 7% of the students have rated Project/seminar/assignments of NANO 112 as outstanding
* 36% of the students have rated Project/seminar/assignments of NANO 112 as good
* 43% of the students have rated Project/seminar/assignments of NANO 112 as average

**NANO 113**

* 21**%** of the students have rated Project/seminar/assignments of NANO 113 as Excellent
* 21**%** of the students have rated Project/seminar/assignments of NANO 113 as outstanding
* 21% of the students have rated Project/seminar/assignments of NANO 113 as good
* 36% of the students have rated Project/seminar/assignments of NANO 113 as average

**NANO 114**

* 29**%** of the students have rated Project/seminar/assignments of NANO 114 as Excellent
* 7**%** of the students have rated Project/seminar/assignments of NANO 114 as outstanding
* 50% of the students have rated Project/seminar/assignments of NANO 114 as good
* 14% of the students have rated Project/seminar/assignments of NANO 114 as average

**NANO 115**

* 14**%** of the students have rated Project/seminar/assignments of NANO 115 as Excellent
* 29% of the students have rated Project/seminar/assignments of NANO 115 as outstanding
* 21**%** of the students have rated Project/seminar/assignments of NANO 115 as good
* 36% of the students have rated Project/seminar/assignments of NANO 115 as average

**NANO 116**

* 14**%** of the students have rated Project/seminar/assignments of NANO 116 as Excellent
* 29% of the students have rated Project/seminar/assignments of NANO 116 as outstanding
* 21**%** of the students have rated Project/seminar/assignments of NANO 116 as good
* 36% of the students have rated Project/seminar/assignments of NANO 116 as average

**NANO 117**

* 21**%** of the students have rated Project/seminar/assignments of NANO 117 as Excellent
* 7% of the students have rated Project/seminar/assignments of NANO 117 as outstanding
* 43**%** of the students have rated Project/seminar/assignments of NANO 117 as good
* 29% of the students have rated Project/seminar/assignments of NANO 117 as average