

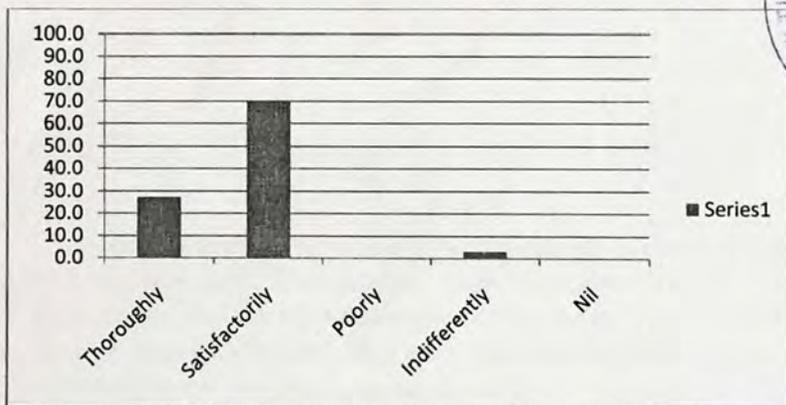
TURA GOVERNMENT COLLEGE

NAAC - CRITERIA I
SURVEY ON CURRICULUM
Mathematics Department
Semester - II - 2019

ANALYSIS AND INTERPRETATION OF DATA: No. of Student-33

Q1. How much knowledge you have obtained about Geometrical Properties related to changes of Axes ?

Variable	Grade	Responds	%
Thoroughly	4	9	27.3
Satisfactorily	3	23	69.7
Poorly	2	0	0.0
Indifferently	1	1	3.0
Nil	0	0	0.0



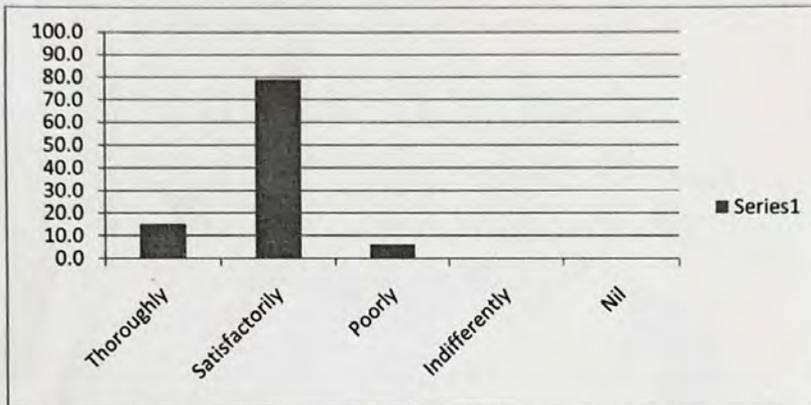
The above table shows that 27.3% of the students agreed that the teacher have taught the topic thoroughly. It is noticed that 69.7% of the students are satisfied with the topic taught to them and only 3.0 % have expressed that the topic taught to them were indiffernt. However there are no students who have responded that the teacher's teaching to them were poor or they don't understand at all.

Therefore, it may be noticed that majority of the students have understood thoroughly the explanation of the topic given by the teacher and very few were not able to understand the topic taught to them clearly.



Q2. How much knowledge you have obtained about General conic and its geometrical properties?

Variable	Grade	Responds	%
Thoroughly	4	5	15.2
Satisfactorily	3	26	78.8
Poorly	2	2	6.0
Indifferently	1	0	0.0
Nil	0	0	0.0

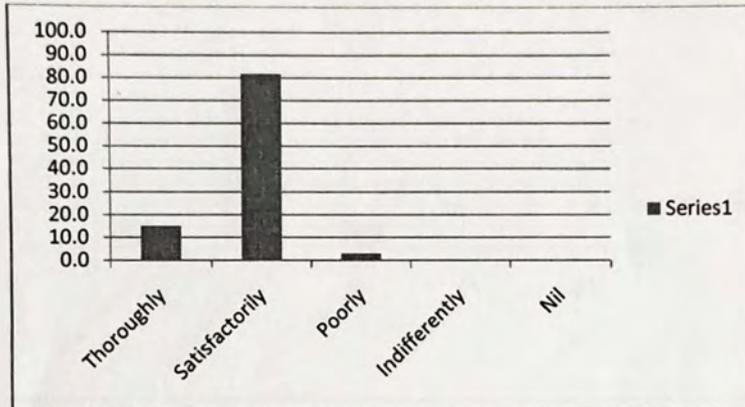


The above table shows that 15.2% of the students agreed that the teacher have taught the topic thoroughly. It is noticed that 78.8% of the students are satisfied with the topic taught to them and only 6.0 % have expressed that the topic taught to them were poor. However there are no students who have responded that the teacher's teaching to them were indifferent or they don't understand at all.

Therefore, it may be noticed that majority of the students have understood thoroughly the explanation of the topic given by the teacher and very few were not able to understand the topic taught to them clearly.

Q3. How much knowledge you have obtained about Polar Equation of conics.?

Variable	Grade	Responds	%
Thoroughly	4	5	15.2
Satisfactorily	3	27	81.8
Poorly	2	1	3.0
Indifferently	1	0	0.0
Nil	0	0	0.0

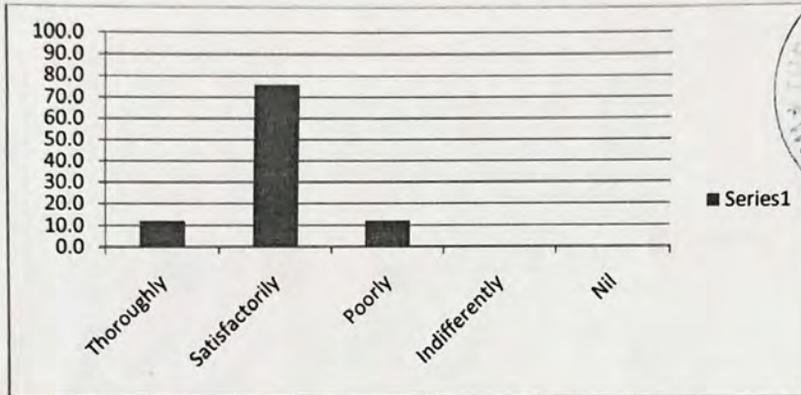


The above table shows that 15.2% of the students agreed that the teacher have taught the topic thoroughly. It is noticed that 81.8% of the students are satisfied with the topic taught to them and only 3.0 % have expressed that the topic taught to them were poor. However there are no students who have responded that the teacher's teaching to them were indifferent or they don't understand at all.

Therefore, it may be noticed that majority of the students have understood thoroughly the explanation of the topic given by the teacher and very few were not able to understand the topic taught to them clearly.

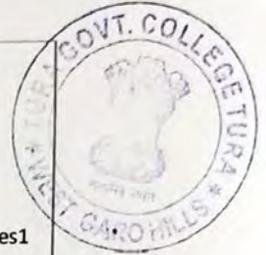
Q4. How much knowledge you have obtained about space coordinates of conics.?

Variable	Grade	Responds	%
Thoroughly	4	4	12.1
Satisfactorily	3	25	75.8
Poorly	2	4	12.1
Indifferently	1	0	0.0
Nil	0	0	0.0



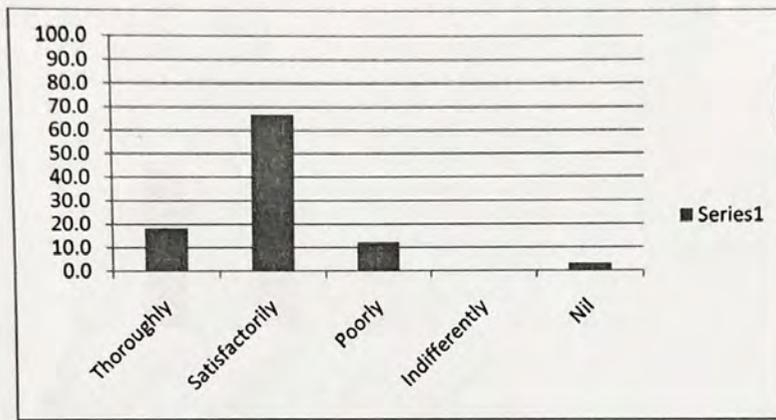
The above table shows that 12.1% of the students agreed that the teacher have taught the topic thoroughly. It is noticed that 75.8% of the students are satisfied with the topic taught to them and only 12.1 % have expressed that the topic taught to them were poor. However there are no students who have responded that the teacher's teaching to them were indifferent or they don't understand at all.

Therefore, it may be noticed that majority of the students have understood thoroughly the explanation of the topic given by the teacher and very few were not able to understand the topic taught to them clearly.



Q5. How much knowledge you have obtained about Equation of straight lines in space and its properties.?

Variable	Grade	Responds	%
Thoroughly	4	6	18.2
Satisfactorily	3	22	66.7
Poorly	2	4	12.1
Indifferently	1	0	0.0
Nil	0	1	3.0

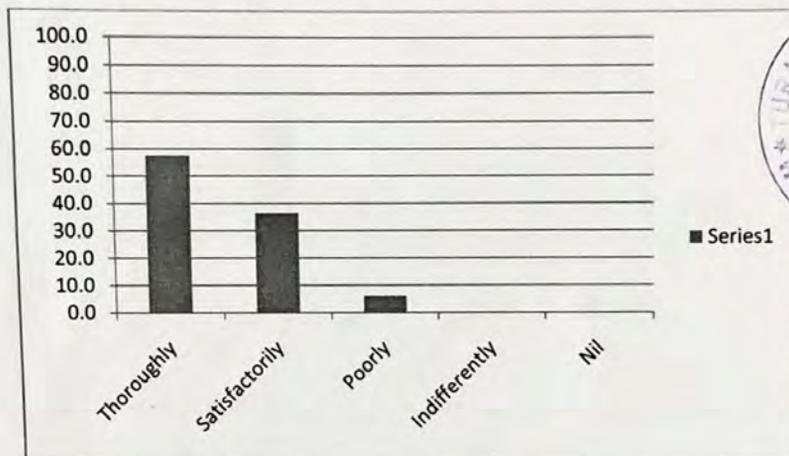


The above table shows that 15.2% of the students agreed that the teacher have taught the topic thoroughly. It is noticed that 78.8% of the students are satisfied with the topic taught to them , only 6.0 % have expressed that the topic taught to them were poor and 3% have expressed that they do not understand at all . However there are no students who have responded that the teacher's teaching to them were indifferent.

Therefore, it may be noticed that majority of the students have understood thoroughly the explanation of the topic given by the teacher and very few were not able to understand the topic taught to them clearly.

Q6. How much knowledge you have obtained about Equations and properties of Sphere, Cone and cylinder.?

Variable	Grade	Responds	%
Thoroughly	4	19	57.6
Satisfactorily	3	12	36.4
Poorly	2	2	6.0
Indifferently	1	0	0.0
Nil	0	0	0.0

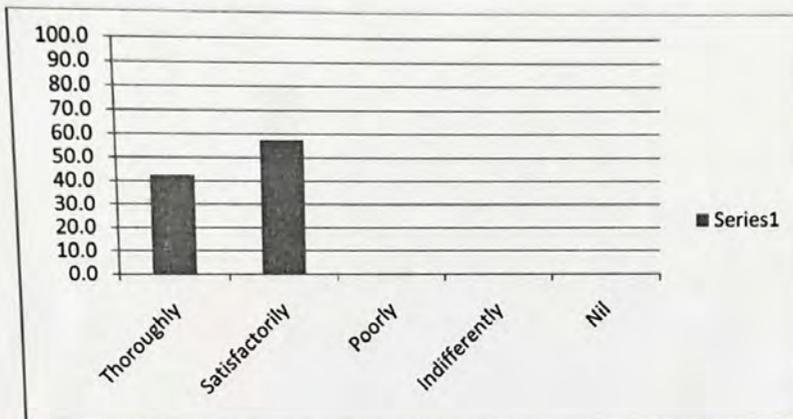


The above table shows that 57.6% of the students agreed that the teacher have taught the topic thoroughly. It is noticed that 36.4% of the students are satisfied with the topic taught to them and only 6.0 % have expressed that the topic taught to them were poor. However there are no students who have responded that the teacher's teaching to them were indifferent or they don't understand at all.

Therefore, it may be noticed that majority of the students have understood thoroughly the explanation of the topic given by the teacher and very few were not able to understand the topic taught to them clearly.

Q7. How much knowledge you have obtained about Properties and applications of vector product.?

Variable	Grade	Responds	%
Thoroughly	4	14	42.4
Satisfactorily	3	19	57.6
Poorly	2	0	0.0
Indifferently	1	0	0.0
Nil	0	0	0.0

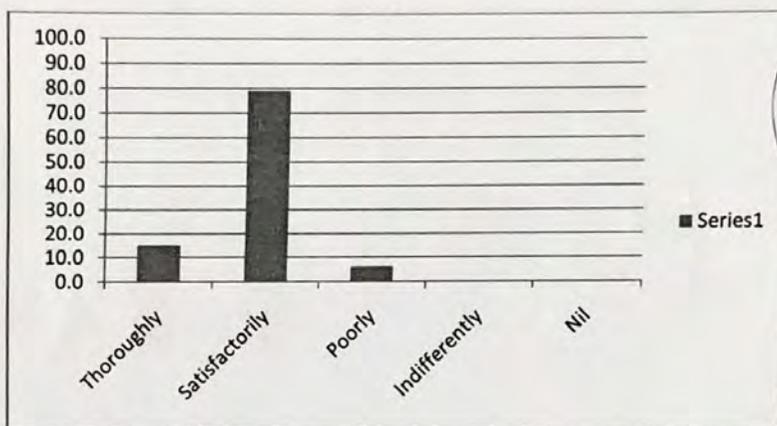


The above table shows that 42.4% of the students agreed that the teacher have taught the topic thoroughly. It is noticed that 57.6% of the students are satisfied with the topic taught to them. However there are no students who have responded that the teacher's teaching to them were poor, indifferent or they don't understand at all.

Therefore, it may be noticed that majority of the students have understood thoroughly the explanation of the topic given by the teacher and very few were not able to understand the topic taught to them clearly.

Q8. How much knowledge you have obtained about Properties and geometrical application of vector valued functions.?

Variable	Grade	Responds	%
Thoroughly	4	5	15.2
Satisfactorily	3	26	78.8
Poorly	2	2	6.0
Indifferently	1	0	0.0
Nil	0	0	0.0

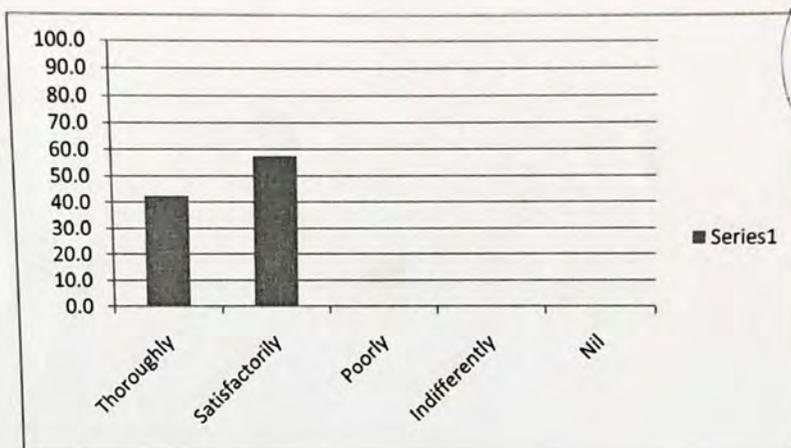


The above table shows that 15.2% of the students agreed that the teacher have taught the topic thoroughly. It is noticed that 78.8% of the students are satisfied with the topic taught to them and only 6.0 % have expressed that the topic taught to them were poor. However there are no students who have responded that the teacher's teaching to them were indifferent or they don't understand at all.

Therefore, it may be noticed that majority of the students have understood thoroughly the explanation of the topic given by the teacher and very few were not able to understand the topic taught to them clearly.

09. How much knowledge you have obtained about vector properties related to velocity and acceleration..?

Variable	Grade	Responds	%
Thoroughly	4	14	42.4
Satisfactorily	3	19	57.6
Poorly	2	0	0.0
Indifferently	1	0	0.0
Nil	0	0	0.0

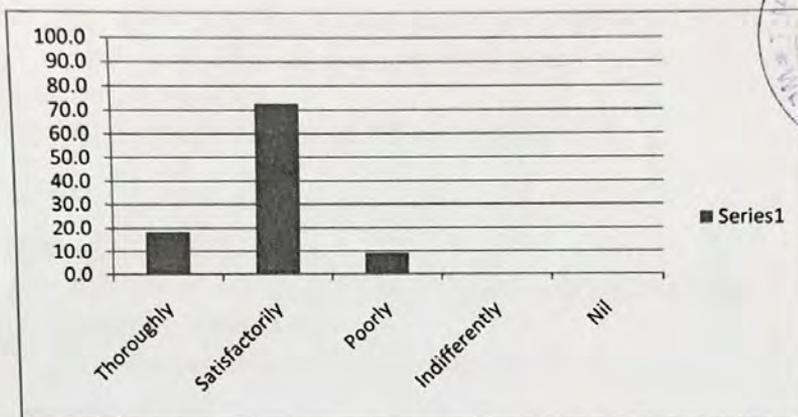


The above table shows that 42.4% of the students agreed that the teacher have taught the topic thoroughly. It is noticed that 57.6% of the students are satisfied with the topic taught to them. However there are no students who have responded that the teacher's teaching to them were poor, indifferent or they don't understand at all.

Therefore, it may be noticed that majority of the students have understood thoroughly the explanation of the topic given by the teacher and very few were not able to understand the topic taught to them clearly.

Q10. How much knowledge you have obtained about Derivative properties of a vector and a scalar valued function?

Variable	Grade	Responds	%
Thoroughly	4	6	18.2
Satisfactorily	3	24	72.7
Poorly	2	3	9.0
Indifferently	1	0	0.0
Nil	0	0	0.0



The above table shows that 18.2% of the students agreed that the teacher have taught the topic thoroughly. It is noticed that 72.7% of the students are satisfied with the topic taught to them and only 9.0 % have expressed that the topic taught to them were poor. However there are no students who have responded that the teacher's teaching to them were indifferent or they don't understand at all.

Therefore, it may be noticed that majority of the students have understood thoroughly the explanation of the topic given by the teacher and very few were not able to understand the topic taught to them clearly.



Findings:-

The above analyses have yielded some significant findings. In responses given by the students the overall findings have been presented below:

- *Out of 33 respondents, it was found that 75-90% of the students have given highly positive answers. This shows that they have clearly understood with the subjects taught to them.*
- *It was also found that large number of Students was highly satisfied with the teaching methodology.*
- *Very few students of about 15% are not satisfied with the curriculum taught to them. This shows that they are yet to fully understand the curriculum provided to them. This maybe because of low attendance where they have attended only 30-40% of the total attendance. It may also be because of lack of responses and attentiveness in the class.*
- *No Students responded negatively towards any questions.*

Action Taken:

- *Remedial classes are provided.*
- *Encourage them to study by giving home assignments and class test.*
- *Strict attendance is maintained.*
- *Giving time for students outside classes whenever they are in need.*



Teachers Feedback:

Teachers are quite satisfied with the student's response but wish that the student develop good study habit for good academic performance. ICT class room and computer laboratory is required for effective classroom teaching. Teachers are also satisfied to some extent with the curriculum provided. Teachers can also review their performance in order to make the class interesting and motivate students to learn.

Summary:

From the survey on curriculum feedback conducted for II Semester class, it was found that the curriculum imparted has helped the students gain knowledge of the different topics of Geometry and Vector Calculus. The methods of teaching and learning implemented are quite effective for the students. It is observed that the curriculum provided lies within their capacity to understand since majority of the students are able to respond positively to the questionnaire.


Principal
Jura Govt. College, Tura

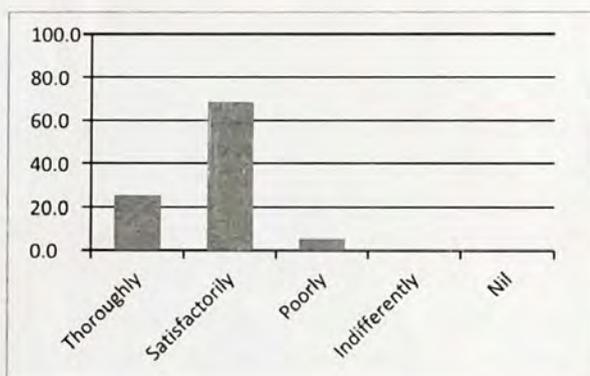
TURA GOVERNMENT COLLEGE

NAAC - CRITERIA I
SURVEY ON CURRICULUM
Mathematics Department
Semester IV 2019
No. of Student - 35

ANALYSIS AND INTERPRETATION OF DATA:

Q1. How much knowledge you have obtained about Properties of parallelogram of forces, Coplanar forces, Parallel forces, Triangle of forces?

Variable	Grade	No. of respond	%
Thoroughly	4	9	25.7
Satisfactorily	3	24	68.6
Poorly	2	2	5.7
Indifferently	1	0	0.0
Nil	0	0	0.0



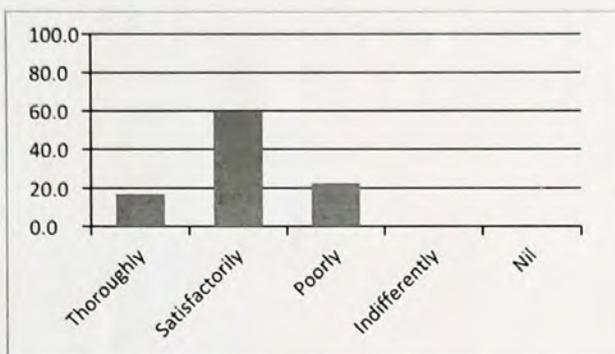
The above table shows that 25.7% of the students agreed that the teacher have taught the topic thoroughly. It is noticed that 68.6% of the students are satisfied with the topic taught to them and only 5.7 % have expressed that the topic taught to them were poor. However there are no students who have responded that the teacher's teaching to them were indifferent or they don't understand at all.

Therefore, it may be noticed that majority of the students have understood thoroughly the explanation of the topic given by the teacher and very few were not able to understand the topic taught to them clearly.



Q2. How much knowledge you have obtained about geometrical application of Moment of a force and Couples?

Variable	Grade	No. of respond	%
Thoroughly	4	6	17.1
Satisfactorily	3	21	60.0
Poorly	2	8	22.9
Indifferently	1	0	0.0
Nil	0	0	0.0

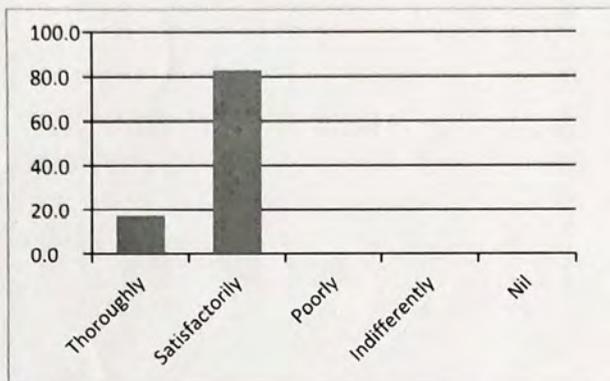


The above table shows that 17.1% of the students agreed that the teacher have taught the topic thoroughly. It is noticed that 60% of the students are satisfied with the topic taught to them and only 22.9 % have expressed that the topic taught to them were poor. However there are no students who have responded that the teacher's teaching to them were indifferent or they don't understand at all.

Therefore, it may be noticed that majority of the students have understood thoroughly the explanation of the topic given by the teacher and very few were not able to understand the topic taught to them clearly.

Q3. How much knowledge you have obtained about Reduction of coplanar forces and properties of Friction?

Variable	Grade	No. of respond	%
Thoroughly	4	6	17.1
Satisfactorily	3	29	82.9
Poorly	2	0	0.0
Indifferently	1	0	0.0
Nil	0	0	0.0

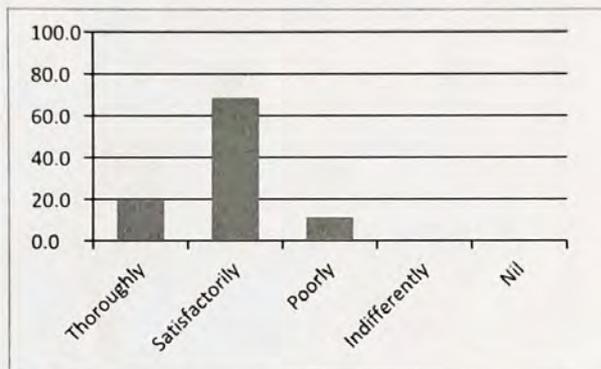


The above table shows that 17.1% of the students agreed that the teacher have taught the topic thoroughly. It is noticed that 82.9% of the students are satisfied with the topic taught to them. However there are no students who have responded that the teacher's teaching to them were poor, indifferent or they don't understand at all.

Therefore, it may be noticed that majority of the students have understood thoroughly the explanation of the topic given by the teacher and very few were not able to understand the topic taught to them clearly.

Q4. How much knowledge you have obtained about Centre of gravity?

Variable	Grade	No. of respond	%
Thoroughly	4	7	20.0
Satisfactorily	3	24	68.6
Poorly	2	4	11.4
Indifferently	1	0	0.0
Nil	0	0	0.0

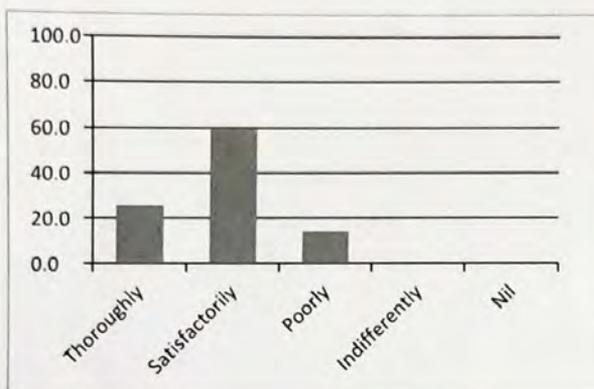


The above table shows that 20% of the students agreed that the teacher have taught the topic thoroughly. It is noticed that 68.6% of the students are satisfied with the topic taught to them and only 11.4% have expressed that the topic taught to them were poor. However there are no students who have responded that the teacher's teaching to them were indifferent or they don't understand at all.

Therefore, it may be noticed that majority of the students have understood thoroughly the explanation of the topic given by the teacher and very few were not able to understand the topic taught to them clearly.

Q5. How much knowledge you have obtained about Different properties of Rectilinear motion with variable Laws of forces?

Variable	Grade	No. of respond	%
Thoroughly	4	9	25.7
Satisfactorily	3	21	60.0
Poorly	2	5	14.3
Indifferently	1	0	0.0
Nil	0	0	0.0

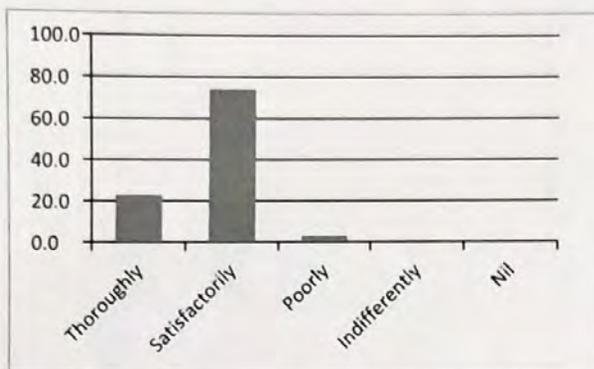


The above table shows that 25.7% of the students agreed that the teacher have taught the topic thoroughly. It is noticed that 60% of the students are satisfied with the topic taught to them and only 14.3% have expressed that the topic taught to them were poor. However there are no students who have responded that the teacher's teaching to them were indifferent or they don't understand at all.

Therefore, it may be noticed that majority of the students have understood thoroughly the explanation of the topic given by the teacher and very few were not able to understand the topic taught to them clearly.

Q6. How much knowledge you have obtained about properties of simple harmonic motion and Collision of elastic bodies?

Variable	Grade	No. of respond	%
Thoroughly	4	8	22.9
Satisfactorily	3	26	74.3
Poorly	2	1	2.9
Indifferently	1	0	0.0
Nil	0	0	0.0

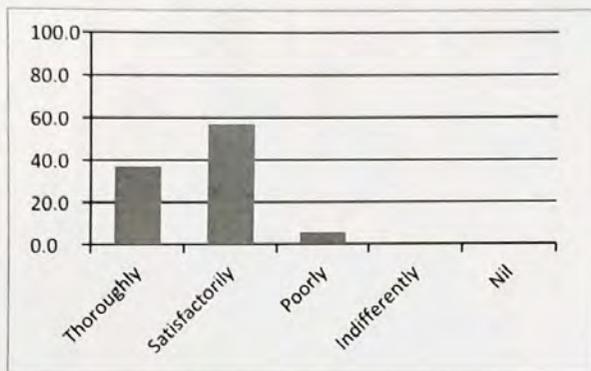


The above table shows that 22.9% of the students agreed that the teacher have taught the topic thoroughly. It is noticed that 74.3% of the students are satisfied with the topic taught to them and only 2.9 % have expressed that the topic taught to them were poor. However there are no students who have responded that the teacher's teaching to them were indifferent or they don't understand at all.

Therefore, it may be noticed that majority of the students have understood thoroughly the explanation of the topic given by the teacher and very few were not able to understand the topic taught to them clearly.

Q7. How much knowledge you have obtained about Properties and applications Projectiles?

Variable	Grade	No. of respond	%
Thoroughly	4	13	37.1
Satisfactorily	3	20	57.1
Poorly	2	2	5.7
Indifferently	1	0	0.0
Nil	0	0	0.0



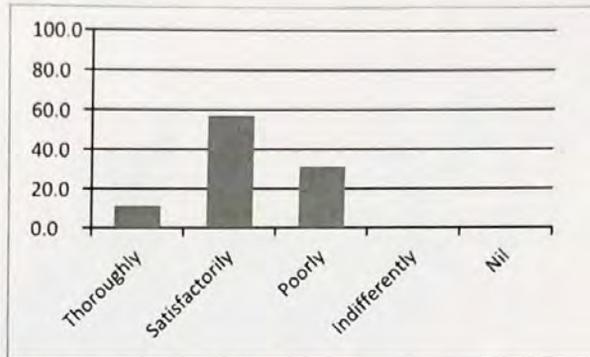
The above table shows that 37.1% of the students agreed that the teacher have taught the topic thoroughly. It is noticed that 57.1% of the students are satisfied with the topic taught to them and only 5.7 % have expressed that the topic taught to them were poor. However there are no students who have responded that the teacher's teaching to them were indifferent or they don't understand at all.

Therefore, it may be noticed that majority of the students have understood thoroughly the explanation of the topic given by the teacher and very few were not able to understand the topic taught to them clearly.

Q8. How much knowledge you have obtained about Properties

of Rectilinear motion in resisting media on a horizontal plane?

Variable	Grade	No. of respond	%
Thoroughly	4	4	11.4
Satisfactorily	3	20	57.1
Poorly	2	11	31.4
Indifferently	1	0	0.0
Nil	0	0	0.0

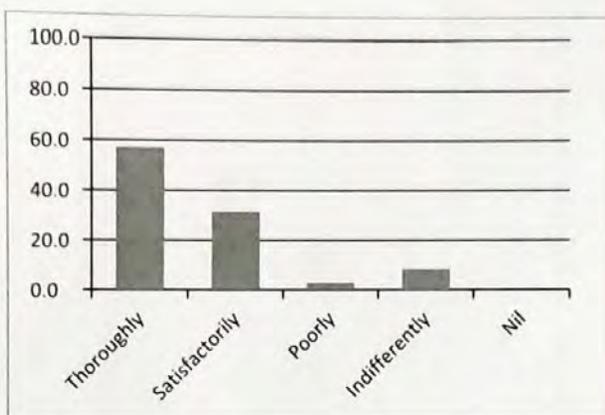


The above table shows that 11.4% of the students agreed that the teacher have taught the topic thoroughly. It is noticed that 57.1% of the students are satisfied with the topic taught to them and only 31.4 % have expressed that the topic taught to them were poor. However there are no students who have responded that the teacher's teaching to them were indifferent or they don't understand at all.

Therefore, it may be noticed that majority of the students have understood thoroughly the explanation of the topic given by the teacher and very few were not able to understand the topic taught to them clearly.

Q9. How much knowledge you have obtained about properties related to tangential and normal acceleration and radial and

<i>transversal acceleration?</i>				
<i>Variable</i>	<i>Grade</i>	<i>No. of respond</i>	<i>%</i>	
Thoroughly	4	20	57.1	
Satisfactorily	3	11	31.4	
Poorly	2	1	2.9	
Indifferently	1	3	8.6	
Nil	0	0	0.0	

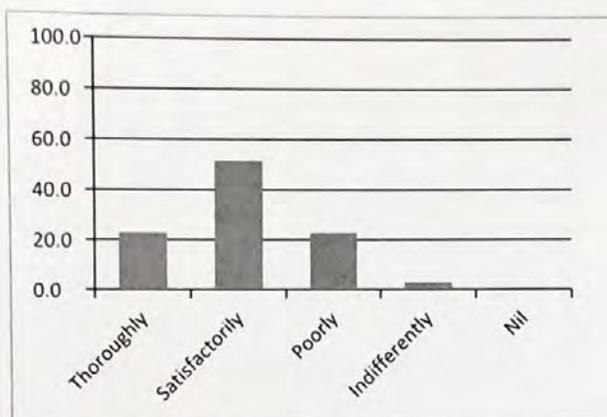


The above table shows that 57.1% of the students agreed that the teacher have taught the topic thoroughly. It is noticed that 31.4% of the students are satisfied with the topic taught to them and only 2.9% have expressed that the topic taught to them were poor and 8.6% expressed that the topic taught to them were indifferent. However there were no students who have responded that they don't understand at all.

Therefore, it may be noticed that majority of the students have understood thoroughly the explanation of the topic given by the teacher and very few were not able to understand the topic taught to them clearly.

Q10. How much knowledge you have obtained about properties of impulsive force and work done by a force?

Variable	Grade	No. of respond	%
Thoroughly	4	8	22.9
Satisfactorily	3	18	51.4
Poorly	2	8	22.9
Indifferently	1	1	2.9
Nil	0	0	0.0



The above table shows that 22.9% of the students agreed that the teacher have taught the topic thoroughly. It is noticed that 51.4% of the students are satisfied with the topic taught to them and only 22.9 % have expressed that the topic taught to them were poor and 2.9% expressed that the topic taught to them were indifferent. However there were no students who have responded that they don't understand at all.

Therefore, it may be noticed that majority of the students have understood thoroughly the explanation of the topic given by the teacher and very few were not able to understand the topic taught to them clearly.

Findings:-

The above analyses have yielded some significant findings. In responses given by the students the overall findings have been presented below:

- *Out of 35 respondents, it was found that 75-90% of the students have given highly positive answers. This shows that they have clearly understood with the subjects taught to them.*
- *It was also found that large number of Students was highly satisfied with the teaching methodology.*
- *Very few students of about 15% are not satisfied with the curriculum taught to them. This shows that they are yet to fully understand the curriculum provided to them. This maybe because of low attendance where they have attended only 30-40% of the total attendance. It may also be because of lack of responses and attentiveness in the class.*
- *No Students responded negatively towards any questions.*

Action Taken:

- *Remedial classes are provided.*
- *Encourage them to study by giving home assignments and class test.*
- *Strict attendance is maintained.*
- *Giving time for students outside classes whenever they are in need.*

Teachers Feedback:

Teachers are quite satisfied with the student's response but wish that the student develop good study habit for good academic performance. ICT class room and computer laboratory is required for effective classroom teaching. Teachers are also satisfied to some extent with the curriculum provided. Teachers can also review their performance in order to make the class interesting and motivate students to learn.

Summary:

From the survey on curriculum feedback conducted for IV Semester class, it was found that the curriculum imparted has helped the students gain knowledge of the different topics of statics and dynamics. The methods of teaching and learning implemented are quite effective for the students. It is observed that the curriculum provided lies within their capacity to understand since majority of the students are able to respond positively to the questionnaire.



[Signature]
Principal
Tura Govt. College, Tura.