| College: **Science** | Department: **Mathematics** | Program: **B.Sc. (Mathematics)** |

(A) Student Learning Outcome- Assessment Results

Code
MUP17

Learning Student Outcome Code: **a1**

On successful completion of this programme, students should be able to use **mathematical steps toward solving several problems**
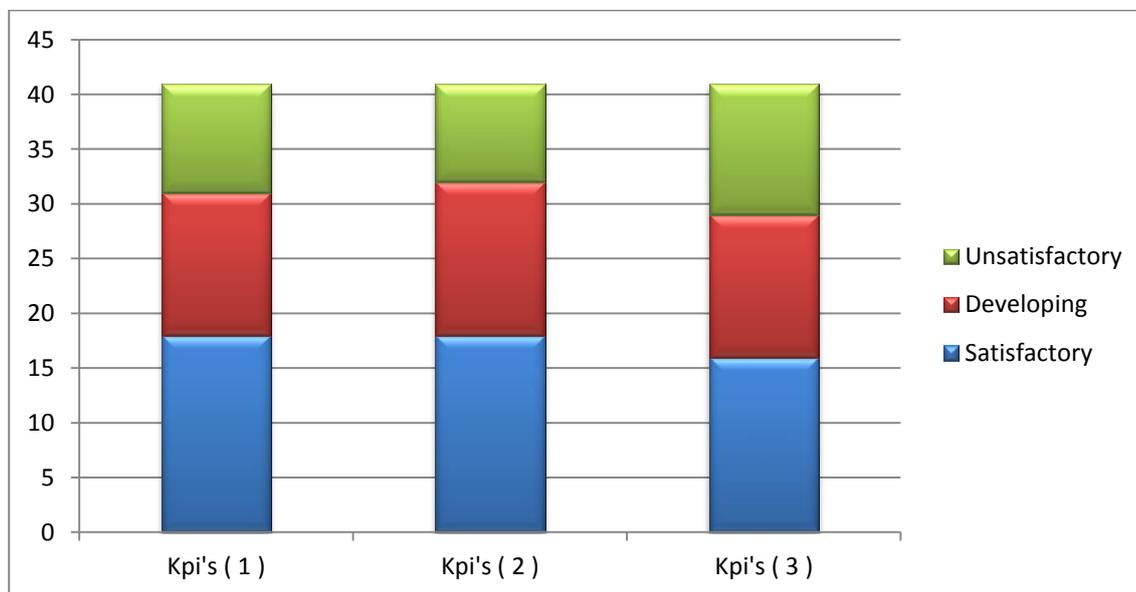
Course Number and Semester: (**Math402 +Math202+Math241+Math411) – 361**

Number of Students: **41**

		Rubric		
		Satisfactory	**Developing**	**Unsatisfactory**
KPIs	KPI (1)	**(18)**	**(13)**	**(10)**
	KPI (2)	**(18)**	**(14)**	**(9)**
	KPI (3)	**(16)**	**(13)**	**(12)**

(41) Student Number

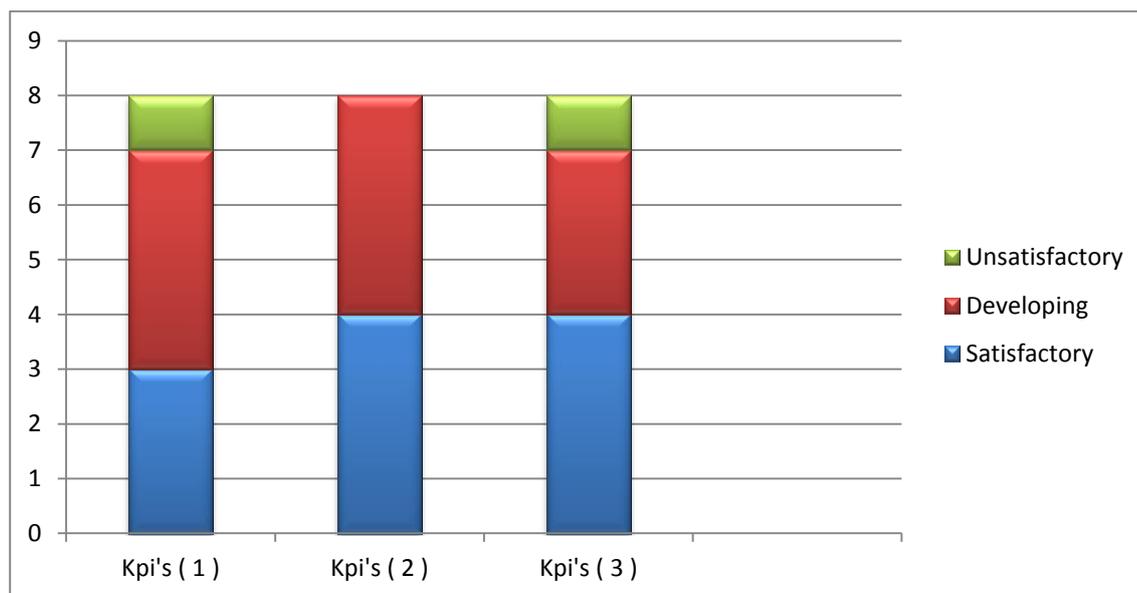**Example**

Learning Student Outcome Code: **a2**
On successful completion of this programme, students should be able to **recall**
and reproduce fundamentals and concepts of general sciences
Course Number and Semester: **(Math321+Pmth127) – 361**
Number of Students: **8**

		Rubric		
		Satisfactory	**Developing**	**Unsatisfactory**
KPIs	**KPI (1)**	**(3)**	**(4)**	**(1)**
	KPI (2)	**(4)**	**(4)**	**(0)**
	KPI (3)	**(4)**	**(3)**	**(1)**

(8) Student Number

Learning Student Outcome Code: **a3** (Continue to acquire and outline mathematical and statistical knowledge and skills appropriate to professional activities)
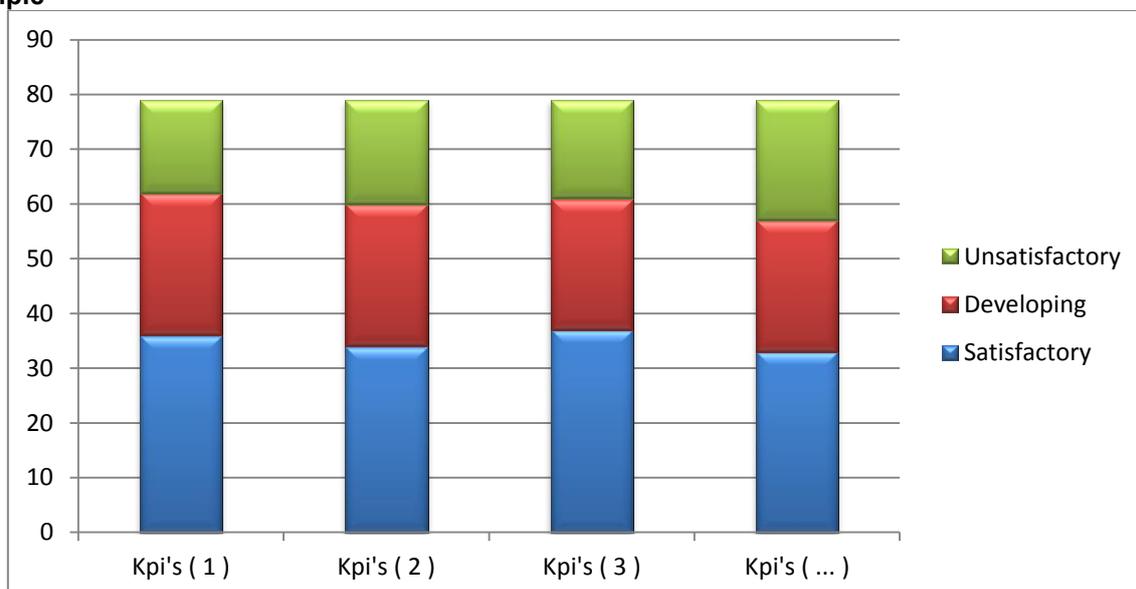
Course Number and Semester: (**Math344+Math271+ Math201) – (1435_S1)**

Number of Students:**79 Students**

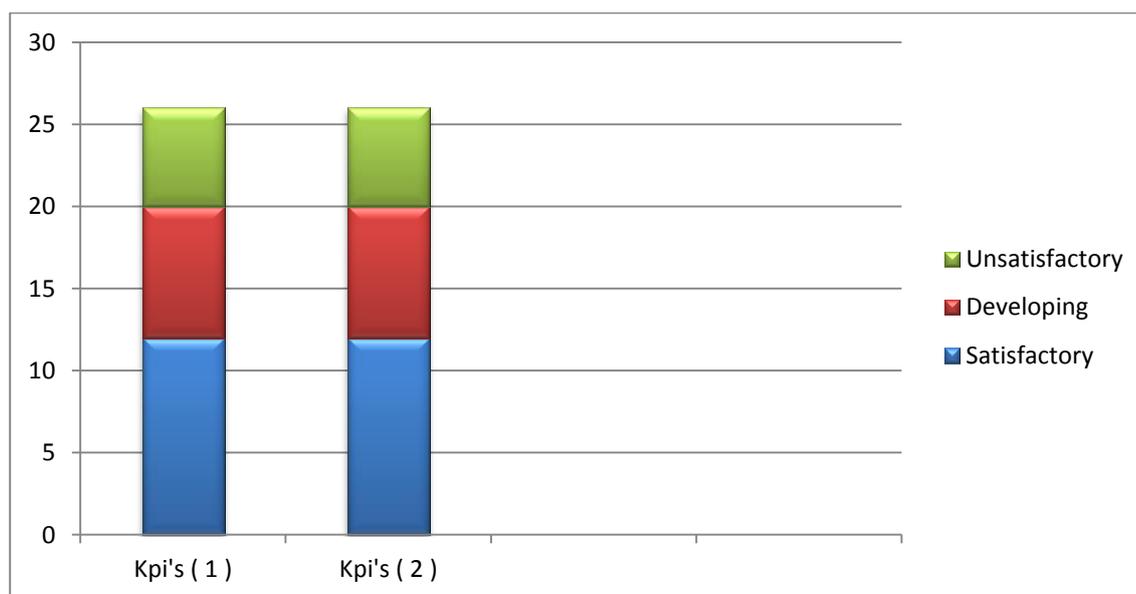|		Rubric		
		Satisfactory	**Developing**	**Unsatisfactory**
KPIs	KPI (1)	**(36)**	**(26)**	**(17)**
	KPI (2)	**(34)**	**(26)**	**(19)**
	KPI (3)	**(37)**	**(24)**	**(18)**
	KPI (4)	**(33)**	**(24)**	**(22)**

(**79) Student Number**

Example

Learning Student Outcome Code: **(b1)**
 On successful completion of this programme, students should be able to
Construct mathematical arguments and proofs and **apply** the underlying unifying
structures of mathematics
Course Number and Semester: **(Pmth112+Math381)** –
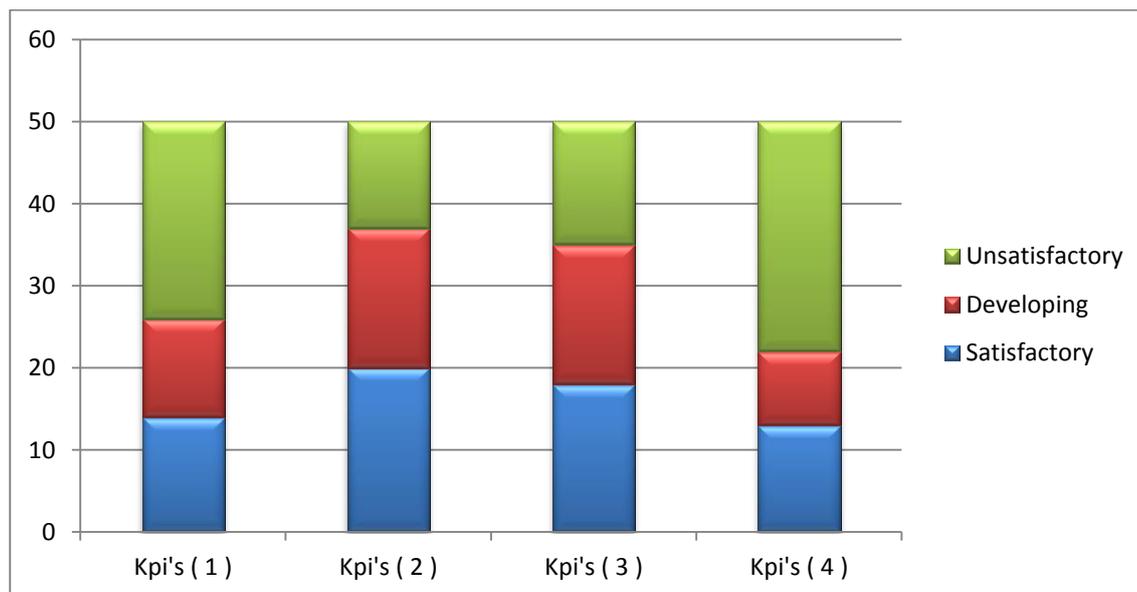Number of Students: **26 Students**

		Rubric		
		Satisfactory	**Developing**	**Unsatisfactory**
KPIs	KPI (1)	**(12)**	**(8)**	**(6)**
	KPI (2)	**(12)**	**(8)**	**(6)**

Learning Student Outcome Code: **b2 (Continue to acquire and outline mathematical and statistical knowledge and skills appropriate to professional activities)**

Course Number and Semester **(Math 423+Math204+Stat201) -**
Number of Students: **50**

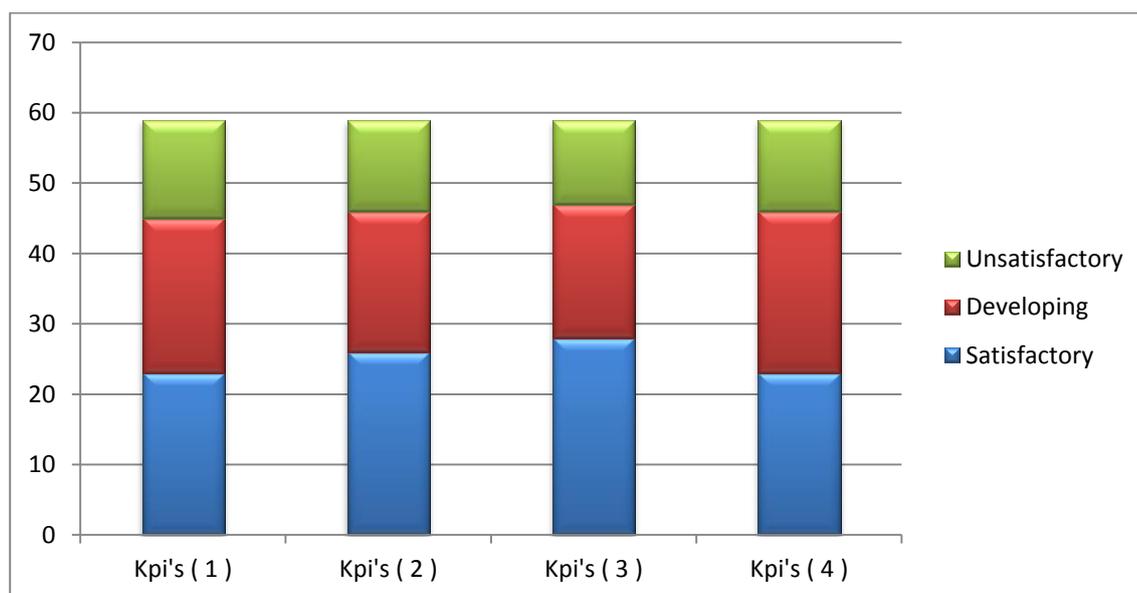|		Rubric		
		Satisfactory	**Developing**	**Unsatisfactory**
KPIs	**KPI (1)**	**(14)**	**(12)**	**(24)**
	KPI (2)	**(20)**	**(17)**	**(13)**
	KPI (3)	**(18)**	**(17)**	**(15)**
	KPI (4)	**(13)**	**(9)**	**(28)**

Learning Student Outcome Code: **c1**
On successful completion of this programme, students should be able to
demonstrate the work independently and within a team
Course Number and Semester: **(Math 203+Math471+Math472+Math351)–**
Number of Students: **59**

		Rubric		
		Satisfactory	**Developing**	**Unsatisfactory**
KPIs	**KPI (1)**	**(23)**	**(22)**	**(14)**
	KPI (2)	**(26)**	**(20)**	**(13)**
	KPI (3)	**(28)**	**(19)**	**(12)**
	KPI (4)	**(23)**	**(23)**	**(13)**

Learning Student Outcome Code: **(c2)**

On successful completion of this programme, students should be able to<u>Illustrate</u>
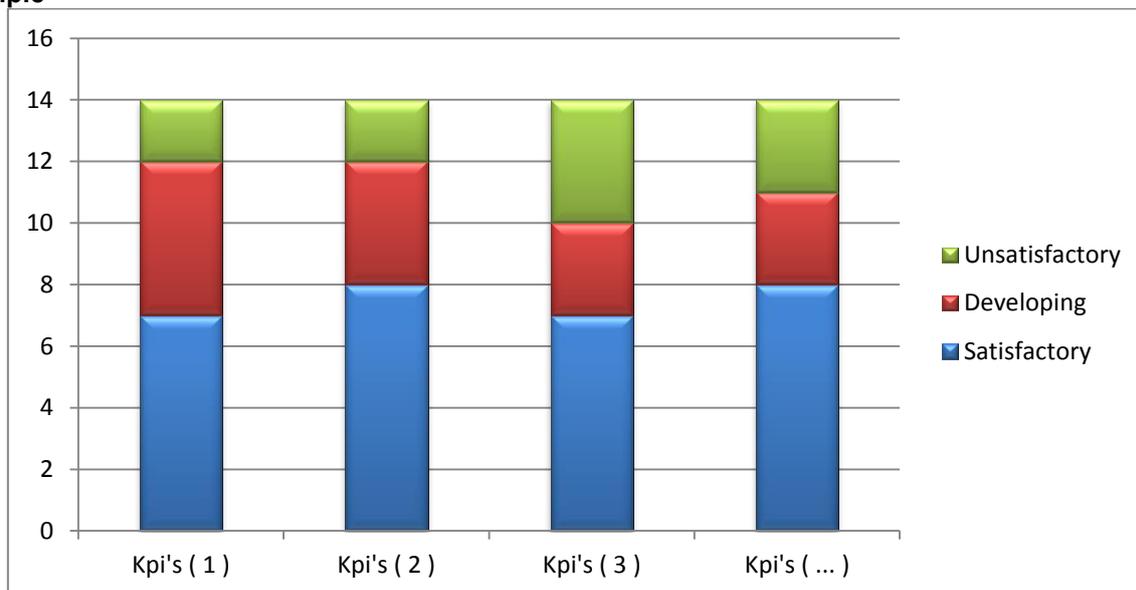and bear responsibility for different situations
Course Number and Semester: **Math483 – (1435_S1)**
Number of Students:**14 Students**

		Rubric		
		Satisfactory	**Developing**	**Unsatisfactory**
KPIs	KPI (1)	(7)	(5)	(2)
	KPI (2)	(8)	(4)	(2)
	KPI (3)	(7)	(3)	(4)
	KPI (4)	(8)	(3)	(3)

(15) Student Number

Example

Learning Student Outcome Code: **(c3) On successful completion of this programme, students should be able to<u>Analyze</u> and realize the codes of ethics and their importance**
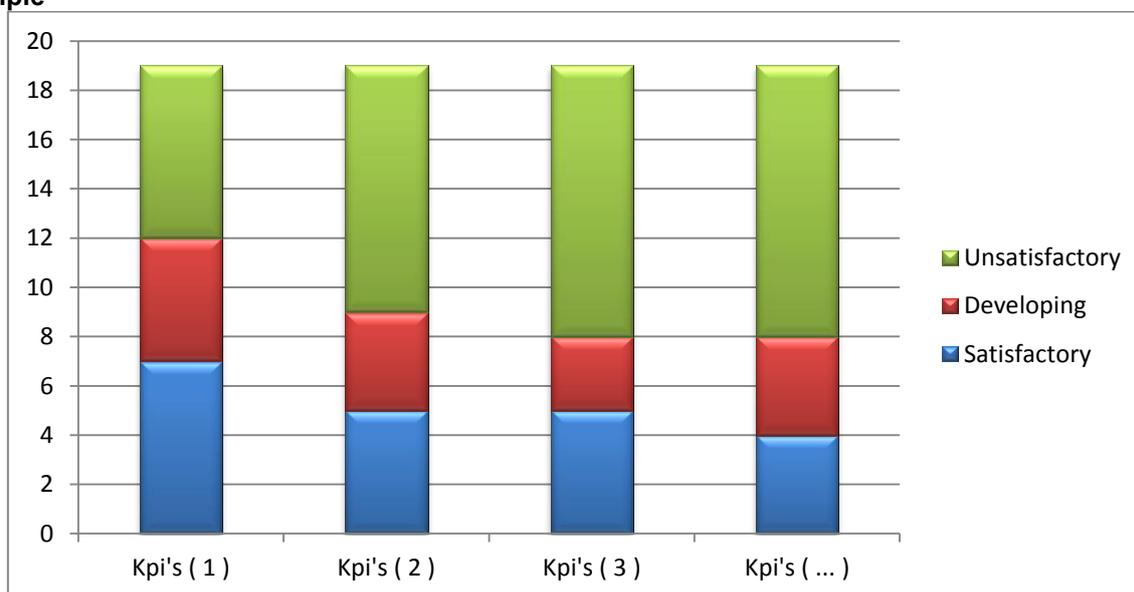
Course Number and Semester: **Math484 – (1435_S1)**

Number of Students:**19 Students**

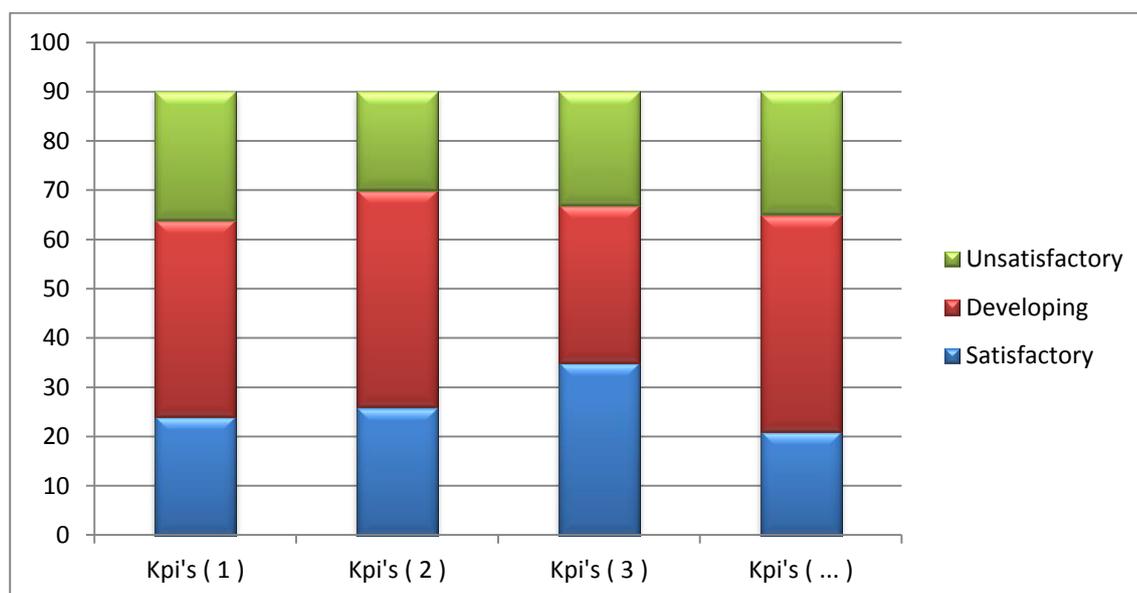|		Rubric		
		Satisfactory	**Developing**	**Unsatisfactory**
KPIs	KPI (1)	**(7)**	(5)	**(7)**
	KPI (2)	(5)	(4)	(10)
	KPI (3)	(5)	(3)	(11)
	KPI (4)	(4)	(4)	**(12)**

(15) Student Number

Example

Learning Student Outcome Code: **d1**

On successful completion of this programme, students should be able to
communicate mathematical ideas, both orally and in writing

Course Number and Semester: **(Math471+Math231+Math322+Math342+
Math482+Math443) – 351**

Number of Students: **90**

		Rubric		
		Satisfactory	**Developing**	**Unsatisfactory**
KPIs	**KPI (1)**	**(24)**	**(40)**	**(26)**
	KPI (2)	**(26)**	**(44)**	**(20)**
	KPI (3)	**(35)**	**(32)**	**(23)**
	KPI (4)	**(21)**	**(44)**	**(25)**

Learning Student Outcome Code: **(d2)**
On successful completion of this programme, students should be able to Critically **interpret** numerical and graphical data
Course Number and Semester: (**Math353+Math352**) –
Number of Students: **42 Students**

		Rubric		
		Satisfactory	**Developing**	**Unsatisfactory**
KPIs	KPI (1)	(**28**)	(**9**)	**(5)**
	KPI (2)	(**20**)	(**14**)	**(8)**
	KPI (3)	(**7**)	(**14**)	(**21**)
	KPI (4)	(**11**)	(**11**)	(**20**)