Department of Mathematics and Statistics
Project done by 1st year B. Sc Mathematics Students
Report

The Covid – 19 pandemic had affected people all over the world mentally, physically, socially and economically. Students of all age groups were primary victims for this especially the lower grades. Their IQ and EQ levels drastically subsided as online classes were not as effective as the usual face to face classes. This situation was analyzed by 43 2nd year B. Sc Mathematics students by seeking the help of parents of the students of AMLP Parambil Bazar School. So, to tackle this, the 1st year students gave guidance and training to the students of the school to improve their IQ and EQ. IQ analysis were done after the training and compared with previous test results also.

Objectives:

- To improve IQ levels of lower grade students which were affected by the Covid – 19 pandemic.
- To analyze the percentage improvement after the students helped the school children.
- To develop and improve the thinking and interacting capacities of the both School and College students.

Methodology:-

The 40 students were divided into 3 groups and each group were assigned below average students of Grade 1, Grade 2 and Grade 3 to train, help and prepare them for the IQ tests. The students went to the School and after training the children, they conducted IQ tests. The School students answered those questions and on the basis of the marks obtained, our students prepared bar charts and analyzed the scores obtained before the training and after the training.

Outcomes:-

- The Project gave an understanding on how pandemic affected students could be helped to improve their situation.
- The 1st year B. Sc Mathematics students had to become more socially committed and

responsible to do this project.

- They could understand the real life application of the course in their curriculum"Introductory Statistics" which made them keen to study more of the subject.
- It inculcated a thought to help out all the pandemic affected population.

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Minutes of the Department meeting held on 09/07/2021

Agenda

1. Statistics and Population day celebrations
2. Commencement of Certificate course on LaTeX.
3. International Webinar 'Poorv'.
4. R and D Unit project presentation by alumnae.
5. Project for 2nd year UG students
6. Project for 1st year UG students.

1. <u>Statistics and Population day celebrations:-</u>

   It was decided to club the National statistics day and Word Population day celebrationsand conduct a program by the mid of July with an intercollegiate quiz competition on the current SDG which is SDG 2: Zero Hunger.

2. <u>Commencement of Certificate course on LaTeX:-</u>

   Taking into account the difficulty faced by the students in typing Maths formulas and symbols using word or excel, we decided to provide Certificate course on LaTeX programming to all the students of the department.

3. <u>International Webinar 'Poorv':-</u>

   The department clubbing with the Department of History decided to conduct a webinar with the alumnae of the Maths department as resource person before the end of July.

4. <u>R and D Unit project presentation by alumnae:-</u>

   Two best projects of the UG as well as PG 2021 pass outs were selected and they were asked to present it to their juniors so that the present students would have an idea about the making of the project.
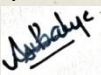
5. <u>Project for 2nd year UG students:-</u>

   In the wake of the pandemic all the students started to become inactive. So, to make them socially responsible, the department decided to ask them prepare IQ tests and circulate it to the Grade 1, Grade 2 and Grade 3 students of a nearby school, the AMLP Parambil Bazar School.

6. <u>Project for1st year UG students:-</u>

   After the 2nd year students analyses the IQ levels of the school students, the 1st year students would be sent to the school to guide and teach the below average students and improve their IQ levels

   Ms. Aiswarya Paul

   Ms. Anupama P.

   Dr. Nitha Niralda P. C.

List of students who participated in the Project

I YEAR MATHEMATICS 2021-22

Sl No	Name
1	AISWARYA V C
2	AJANYA V S
3	AKSHARA P A
4	AMINA FARHA M K
5	AMRUTHA VIJITH T
6	ANAGHA SHAJITH P
7	ANAMIKA S
9	ANENA P P
10	ANUSHA K
11	ARATHI KRISHNA K C
12	ASWATHY C T
13	AVANTHIKA S ANAND
14	AYSHA SHAMLA T T
15	DEVIKA PRADEESH
16	FASEENA
17	FATHIMA AFRA T N
18	FATHIMA BATHOOL K
19	FATHIMA NUSFA SRANGINTAKAM
20	GOPIKA AJITH
21	GOPIKA M
22	GOPIKA P
23	HENNA JOHN
24	JAHANA SHERIN I K
25	MARIYAM K M
26	NANDANA NAMBIYATH
27	NANDANA S
28	NITA ANN THOMAS
29	NIVEDHITHA VINOD
30	NOORA ASHRAF K P
31	PARVATHY P
32	POOJA PRAKASH

33	RABA E K
34	RANA FATHIMA P
35	RIYA RUKKIYA P T
36	RUSHDA NAJEEB M V
37	SNEHA KRISHNAN K
38	SWALIHA JINANA
39	THEJALAKSHMI E T
40	VISMAYA N

PROVIDENCE WOMEN'S COLLEGE

DEPARTMENT OF MATHEMATICS & STATISTICS

IQ TEST-GRADE 1 (AMLP PARAMBIL BAZAR SCHOOL)

1. Which of the following does not make 45?
   a) 40+50
   b) 20+25
   c) 25+25
   d) 10+35

2. When 0 is added to 100 what is the answer?
   a)0
   b)100
   c)1
   d)10

3. What is the double of 9 ?
   a)99
   b) 18
   C)90
   d)10

4. Which of the following is true?
   a)15+5=15
   b)15-0=15

5. I am between 1 and 5. I'm morethan 2 and less than 4. Who am I ?
   a)5
   b)3
   c)2
   d)1

6. How do you write this number using digit?

   "TWELVE"
   a)21
   b)12
   c)00
   d)11

7. Is this number of fish even or odd?

8. How many flowers are there in all?

16	18	14	15
a.	b.	c.	d.

9. Find the missing number?

1,____,3,4,5

a)6
b)7
c)1
d)2

10. Which geometrical shape is this?

Circle   Triangle   Square

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IQ TEST - Grade 2 (AMLP PARAMBIL BAZAR SCHOOL)

1. Which of the following is a odd number?

   a) 22   b) 84   c) 11

2. 1 week = _days

   a) 3   b) 6   c) 7

3. What time will be 2 hours after 10 O'Clock?

   a) 11 O'clock b) 1 O'clock   c) 12 O'clock

4. ___ comes just before 413.

   a) 414 b) 412 c) 411

5. Three hundred and one can be written as ___.

   a) 31 b) 3001 c) 301

6. There are 4 apples in each basket. How many apples will be there in 5 baskets?

   a) 4   b) 20 c) 10

7. What time does the clock show?

8. Jane bought 60 cherries. She put 6 cherries in each packet. How many packets did she use?

   a) 10   b) 6   c) 5

9. 10+43+34 =

   a) 77 b) 87 c) 67

10 . Which of the following are correctly matched?

   a) One hundred and thirty - 113

   b) Two hundred and twenty two - 220

   c) five hundred and sixty five - 556

   d) Three hundred and thirty three - 333.

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IQ TEST - GRADE 3 (AMLP PARAMBIL BAZAR SCHOOL)

1.Which number should come next in this pattern:8,16,32,?

   A.76   B.64

   C.24   D.66

2.Which of these numbers is not a prime?

   A.89   B.127

   C.297   D.313

3.How many corners are there in a cube?

   A.4   B.6

   C.8   D.10

4.Give the place value of 6 in the number 361,489.

   A.60   B.600

   C.6,000   D.60,000

5. Take 2,000. Now add 140 to it. Take away 30, and add another 80. Now add 440. Finally, take away 16. What's your final total?

   A.2,541   B.2,544

   C.2,614   D.2,644

6.Your sock drawer has 24 white socks and 24 blue socks in it. How many times will you need to reach inside the drawer and take out a sock to guarantee a matching pair?

      A.Two   B.Three

      C.Four   D.Eight

7.How many total squares are there on a standard chess board?

      A.32   B.64

      C.128   D.204

8.What is the value of X ?

      $7*9-3*4+10=X?$

      A.60   B.61

      C.62   D.63

9.Tom's room has a cabinet with eight shelves. There are 5 books on each shelf. How many books are there in this cabinet?

      A.5   B.25

      C.35   D.40

10.Daphne has 16 flowers. Eve's flowers are half the Daphne. How many flowers does Eve have?

      A.22   B.12

      C.8   D.9

Grade 1

Sl.NO:	Name	Scores before guidance	Scores after guidance
1	Anaika V.K	2	5
2	Aysha Zalla	3	6
3	Dhyan	4	5
4	Fathima Nidha K	3	7
5	Fathima Sana V.K	4	3
6	Fiza Fathima	2	4
7	Hima A	1	4
8	Muhammed Anshad	4	5
9	Muhammed Irfan	3	2
10	Muhammed Zain V	3	5
11	Nada Mehrin	2	7
12	Shivadha	4	6
13	Sreepad S	3	2
14	Amaya	4	8
15	Aneesh	3	5
16	Aradhya A	2	5
17	Aysha Sana P.P.	3	4
18	Dakshakasi C.M	4	6
19	Niranjana K.	2	7
20	Aysha V.P	3	5
21	Adidev K.M	3	4
22	Devadath K	2	6

23.	Fathima Shada	4	3
24.	Filza Fathima V	3	2
25.	Muhammed Sherif K	2	3
26.	Nashwa M.P	3	5

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Grade - 2

Sl No.	Name	Score before guidance	Score after guidance
1	Aadi Rayan A S	2	5
2	Aaryan T·P	3	7
3	Anha Fathima A·C	4	4
	Aradhya S R		
4	Ayisha Sanha A·C	4	3
5	Muhammed Habeeb CT	2	2
6	Muhammed Aldin Mishab N	2	4
7	Muhammed Hadih K	4	6
8	Muhammed Naisam P·V	4	3
9	Muhammed Rayan M K	3	6
10	Nafa Sherin N V	3	7
11	Sriya Lakshmi T N	4	9
12	Amina Riya P V	3	6
13	Fathima Rinsha K P	3	5
14	Aaliyah Mariyam N P	3	4
15	Aisha Nashwa	2	3
16	Ajwad Lezin Ali K	4	6
17	Amarnad T	4	7
18	Deekshith P M	4	3
19	Filza Mehareen K P	3	4
20	Karthik K	3	6

21	Muhammed Roshan A·N	3	7
22	Nafla Mehrin N P	2	4
23.	Nazih Raihan K	4	4

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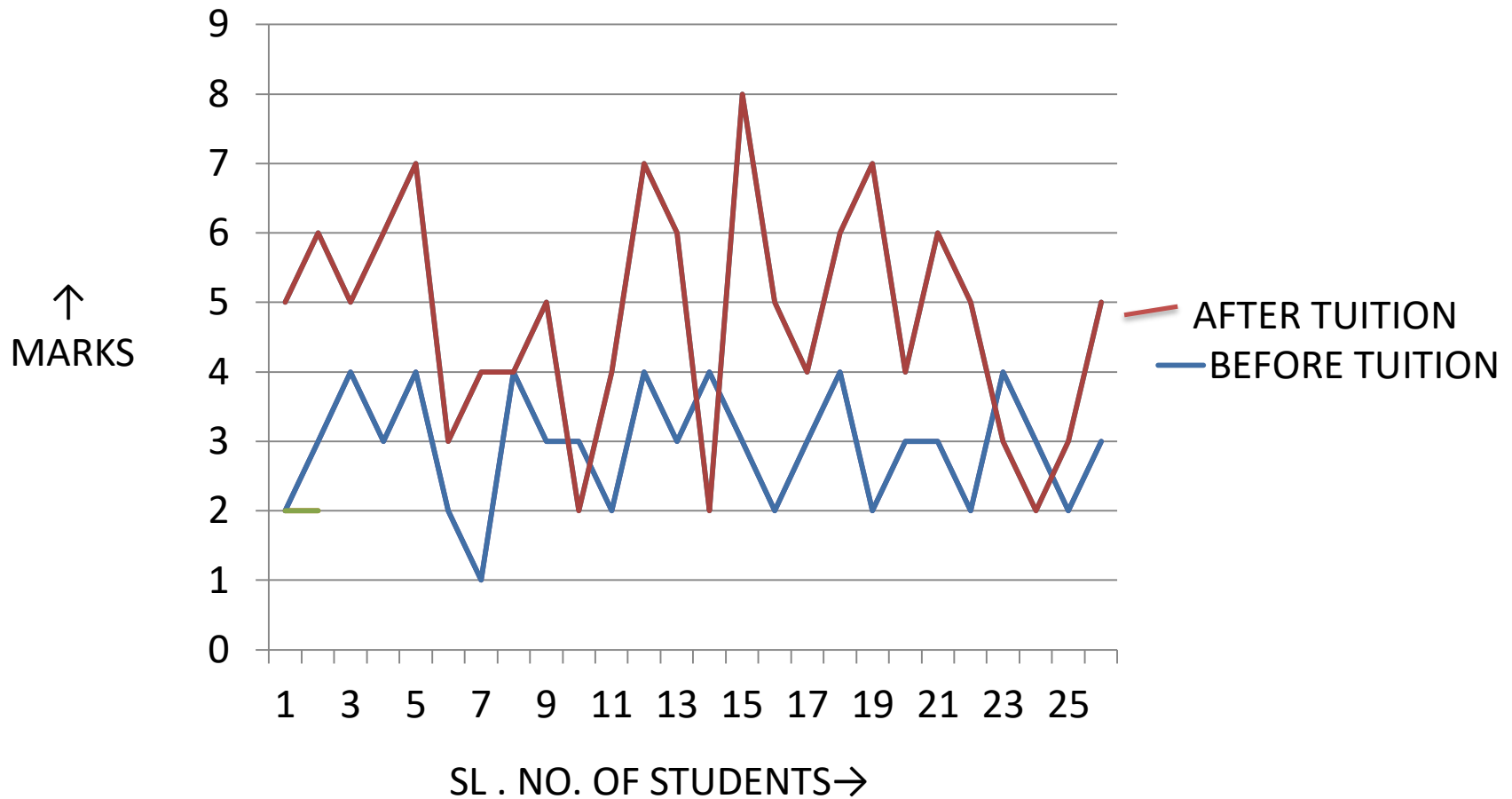H.O.D of Mathematics
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Grade 3

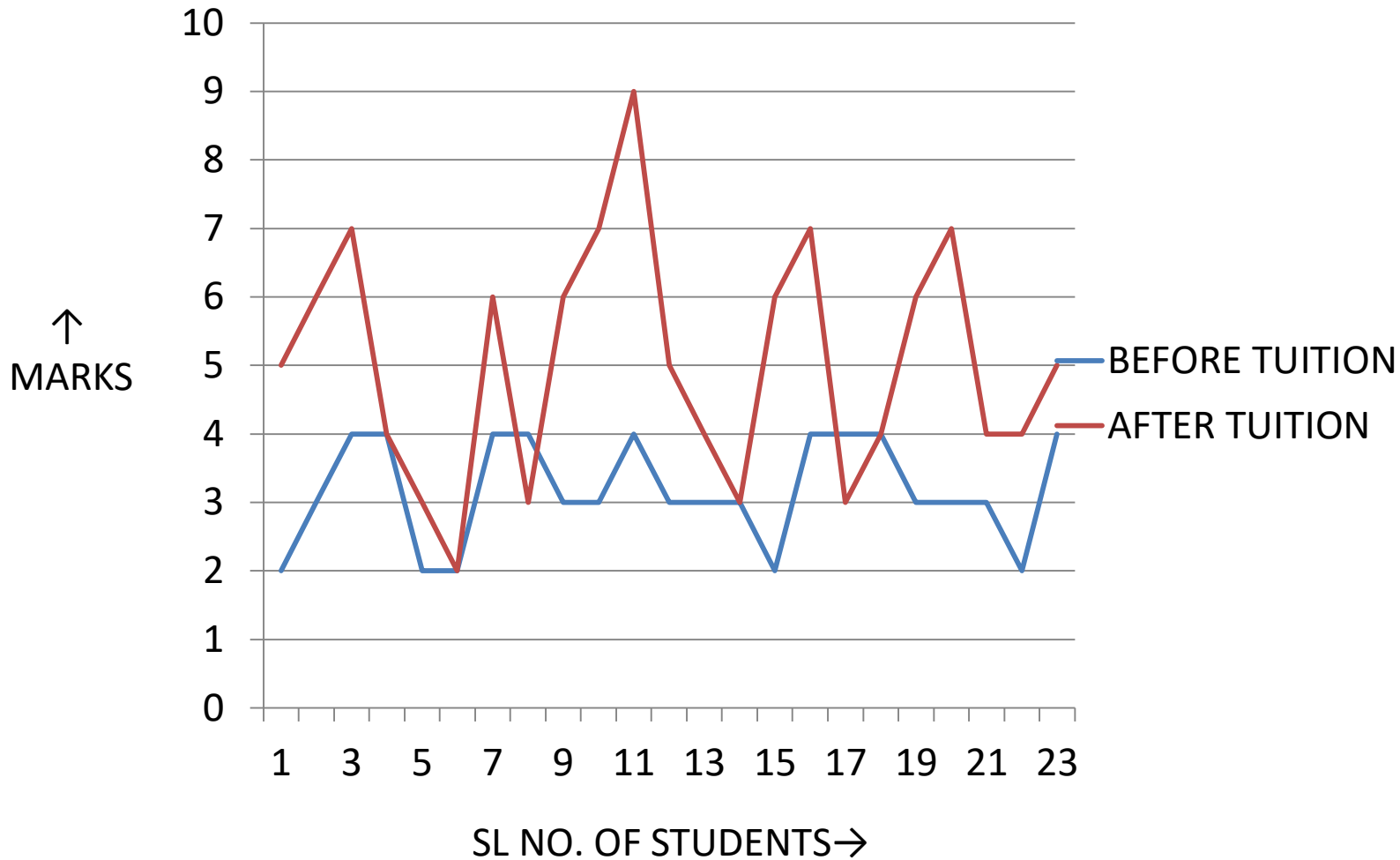| S.No	Name	Score before guidance	Score after guidance
1.	Ashmi Surya	3	5
2.	Ayisha Misri	2	4
3.	Hanna Mariyam A	4	6
4.	Hawasha Hasmin N	2	6
5.	Mithra Kaliani P	3	7
6.	Muhammed Midhlaj T P	2	3
7.	Muhammed Nishal C	3	3
8.	Nived M	4	5
9.	Punnya K	4	8
10	Aragha T. N	3	6
11	Man Dev P T	4	3
12	Muhammed Hamiz N.V	4	4
13	Muhammed Hilal	3	7
14.	Muhammed Shafeeq PM	3	2
15.	Aby Leo Androws	4	5
16	Al-Ameen M	4	7
17	Hadhi Ramzan K V	4	4
18	Hanan Zakeena V	3	8
19.	Ismath Mariyam K	2	2
20.	Muhammed Ihzan CP	4	7

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IQ LEVEL COMPARISON OF GRADE 3 AFTER AND BEFORE TUITION