

“Education for Knowledge, Science, and Culture”
- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's
Vivekanand College, Kolhapur
(Autonomous)



KOLHAPUR (AUTONOMOUS)

Department of Statistics

Lectures conducted with the help of ICT

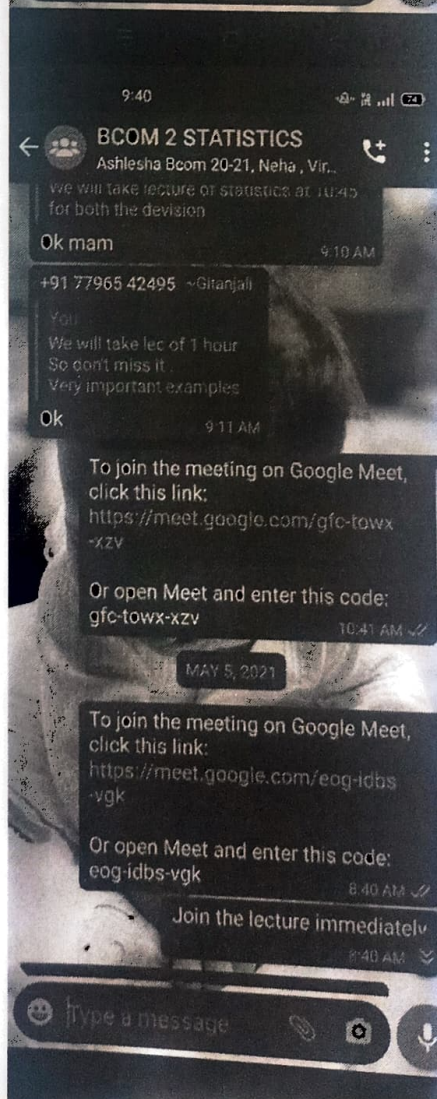
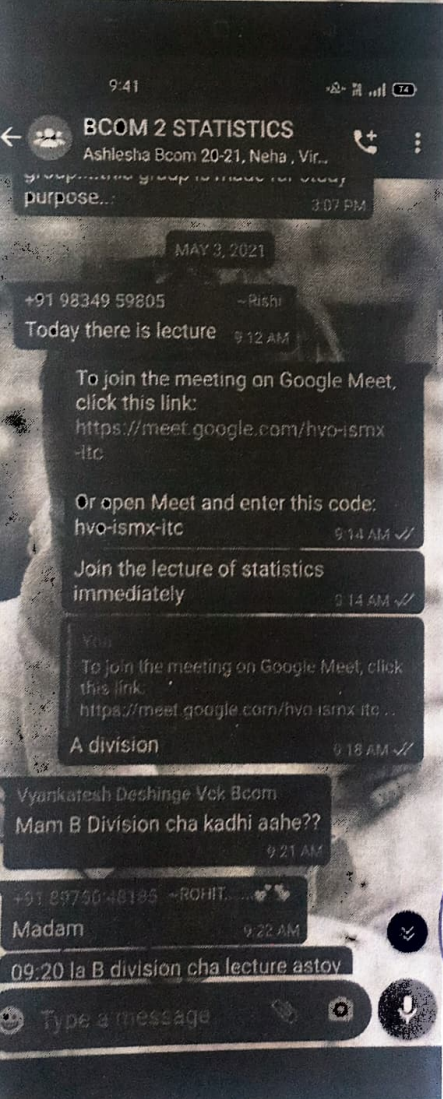
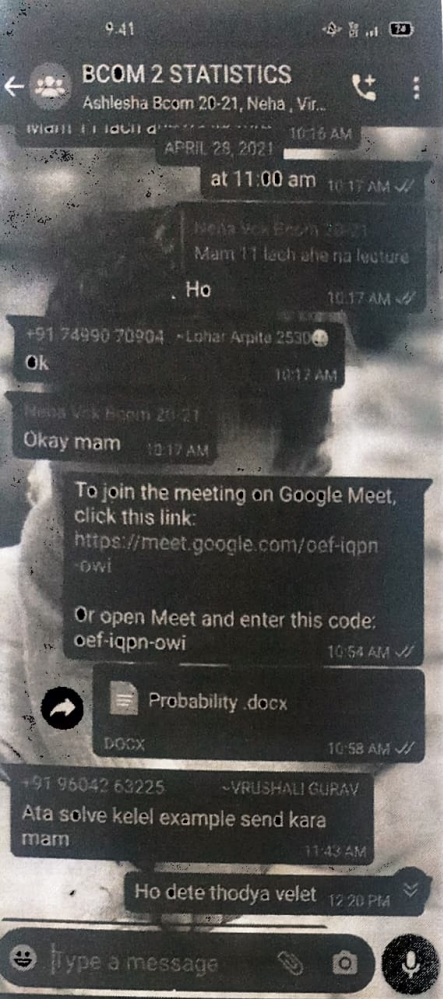
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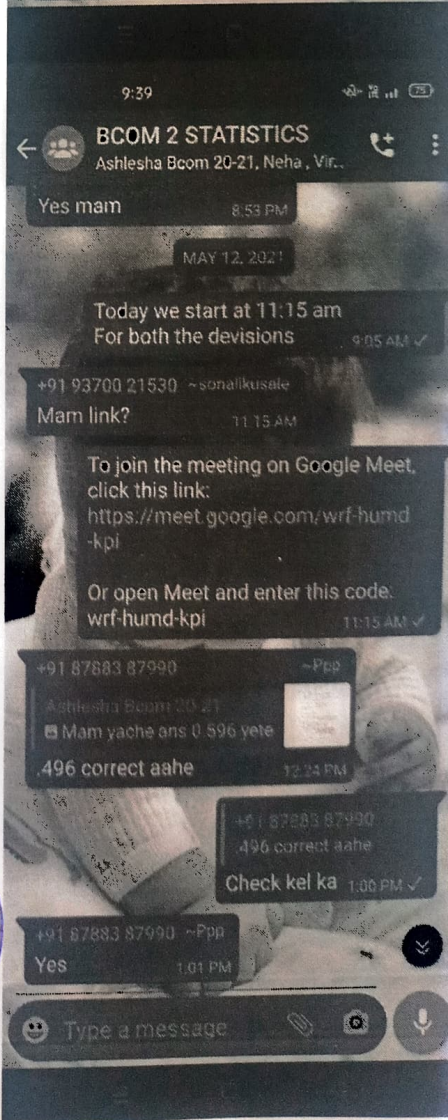
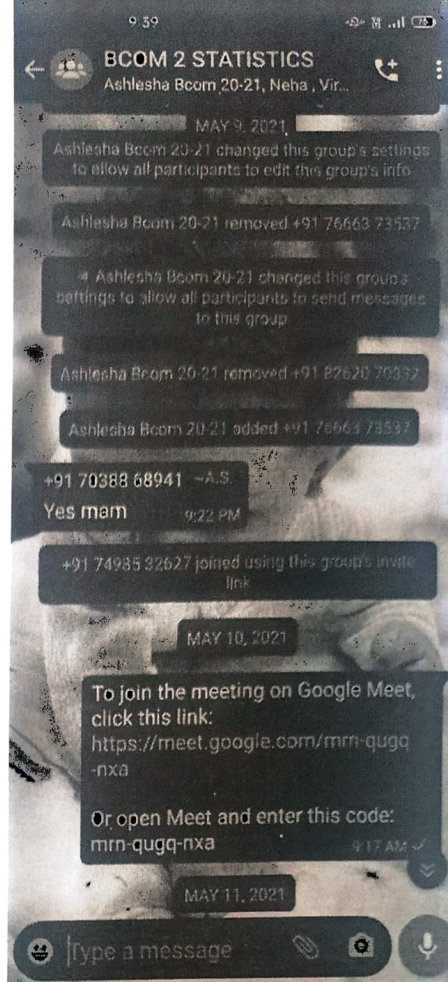
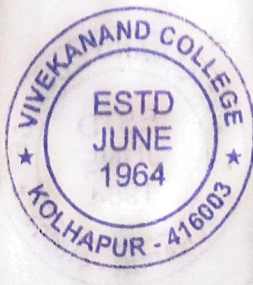
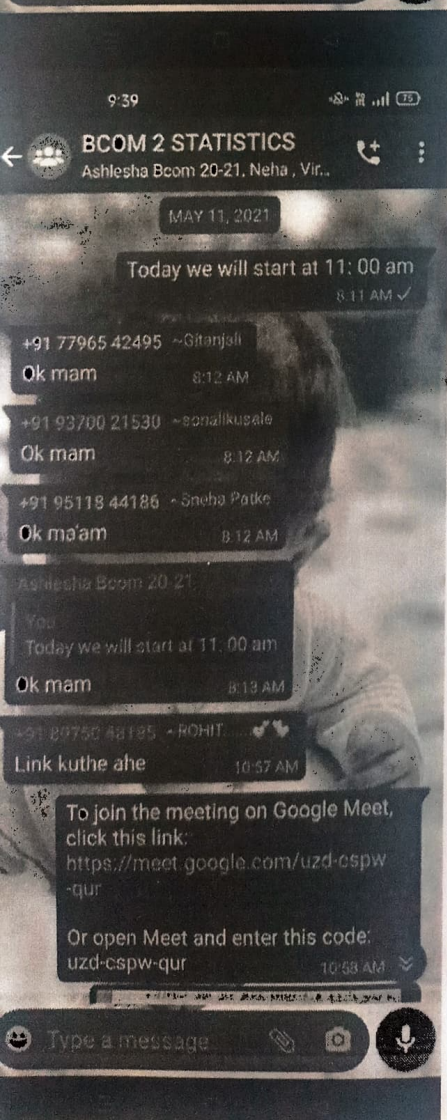
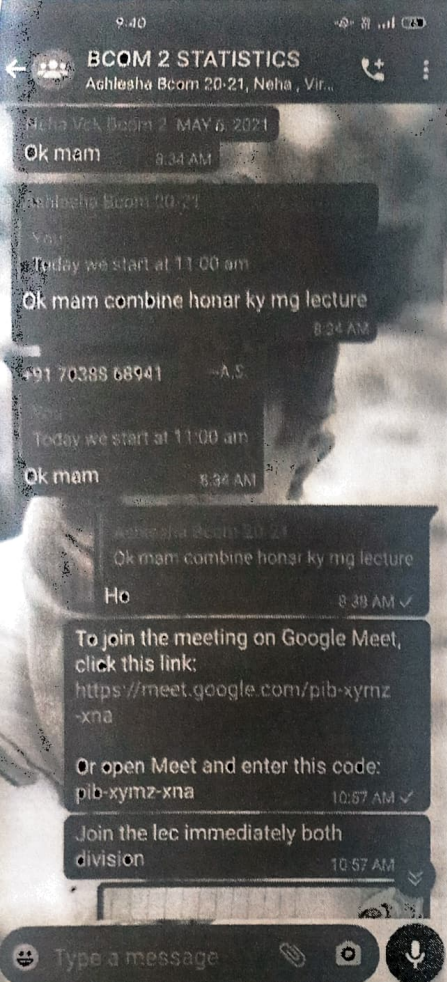
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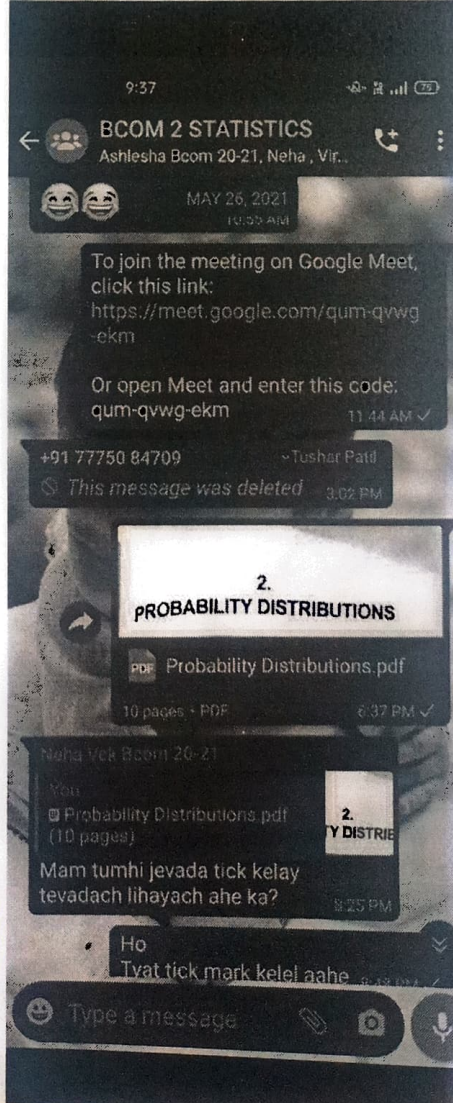
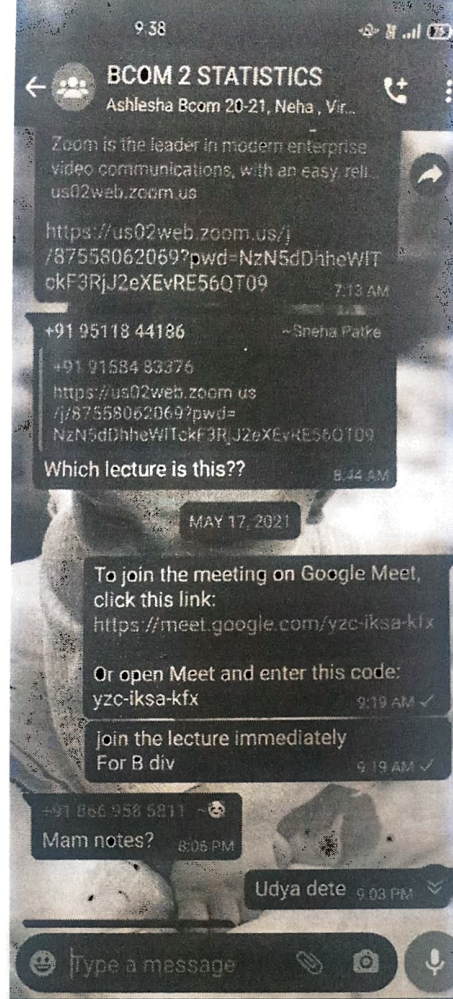
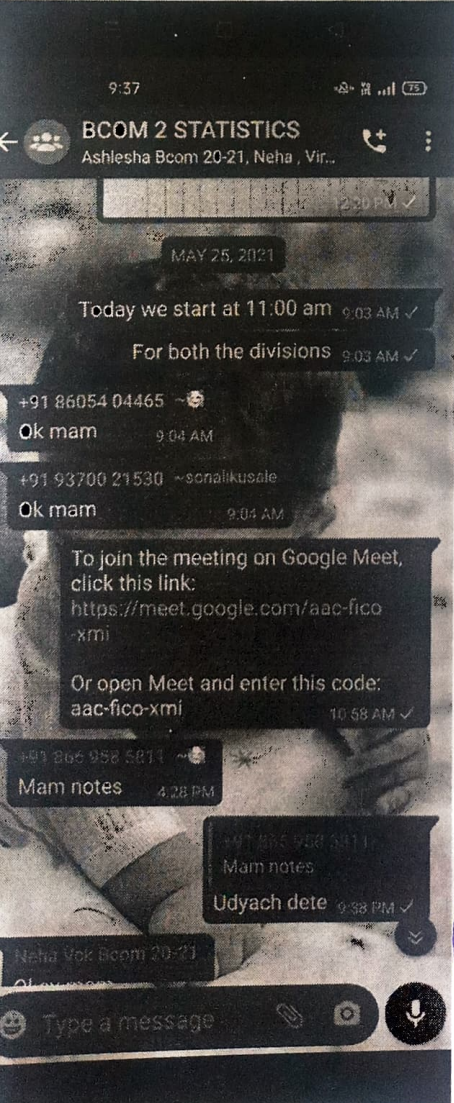
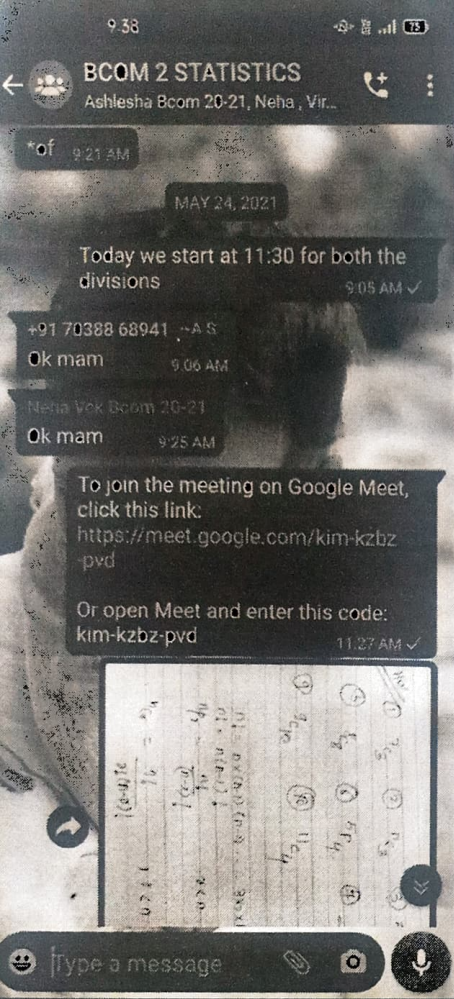
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2	Notes on Probability	28/04/2021
3	Google meet lecture link	29/04/2021
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8	Google meet lecture link	11/05/2021
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11	Google meet lecture link	17/05/2021
12	Google meet lecture link	25/05/2021
13	Google meet lecture link	26/05/2021
14	Notes on probability distribution	26/05/2021
15	Google meet lecture link	27/05/2021
16	Google meet lecture link	31/05/2021
17	Notes on Normal distribution	01/06/2021
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20	Google meet lecture link	08/06/2021
21	Notes on Z table	08/06/2021
22	Google meet lecture link	09/06/2021
23	Notes on SNV	09/06/2021
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28	Google meet lecture link	29/06/2021
29	Quiz	29/06/2021
30	Google meet lecture link	30/06/2021
31	Google meet lecture link	05/07/2021
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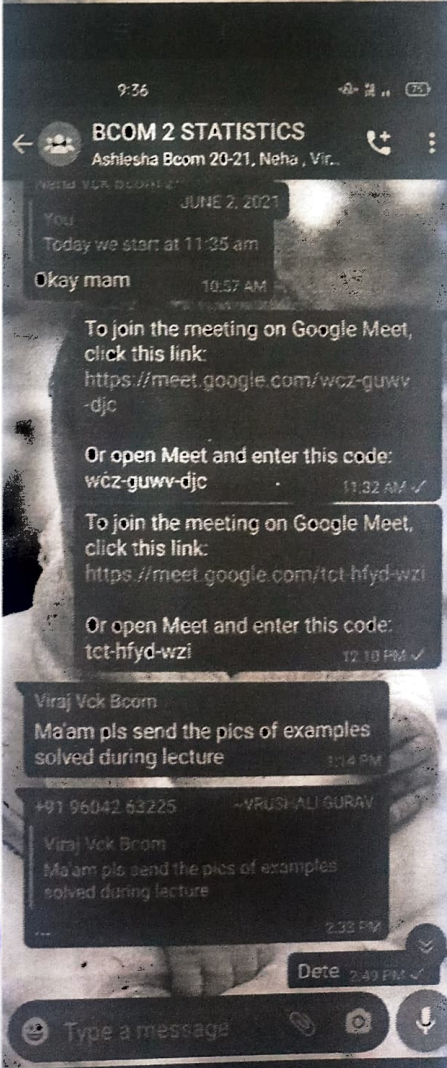
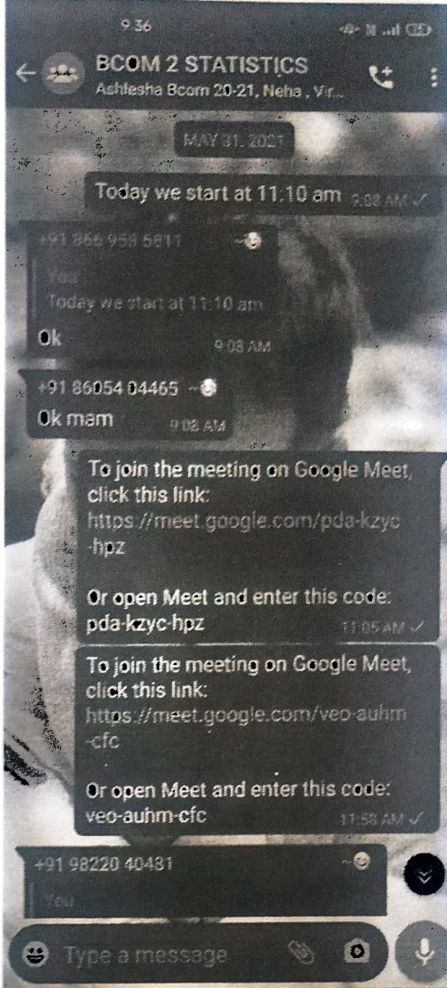
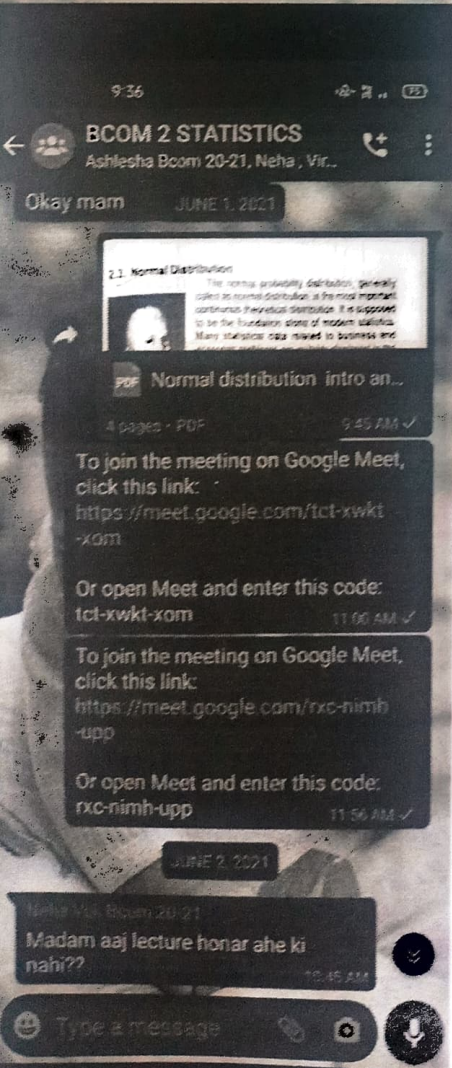
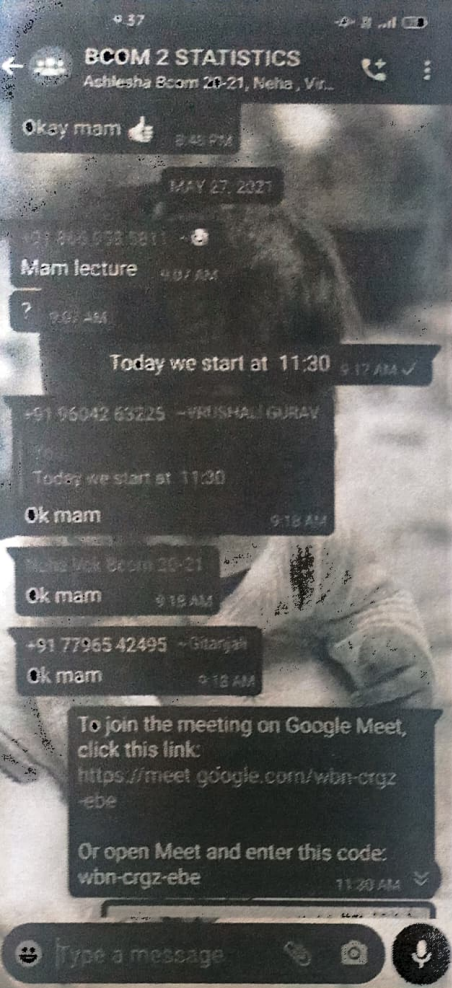
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37	Google meet lecture link	14/07/2021
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40	Notes on Index number	16/07/2021
41	Google meet lecture link	22/07/2021
42	Google meet lecture link	19/07/2021
43	Google meet lecture link	03/08/2021
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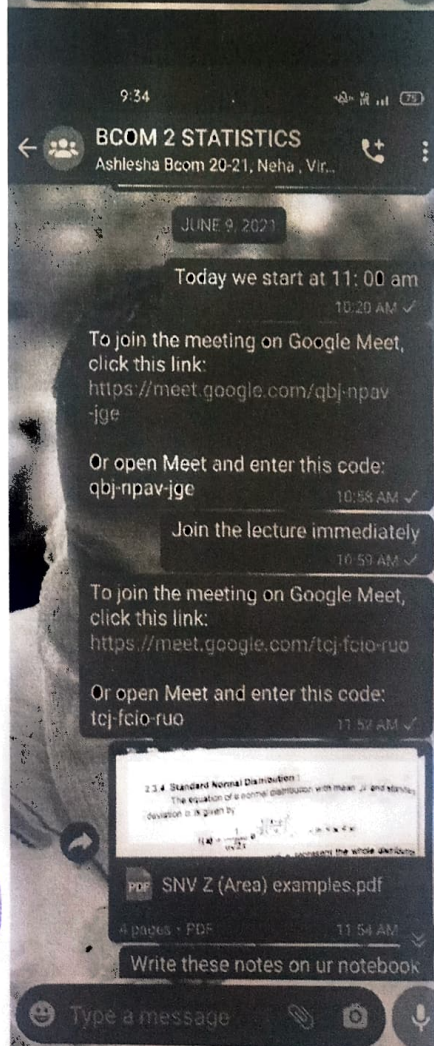
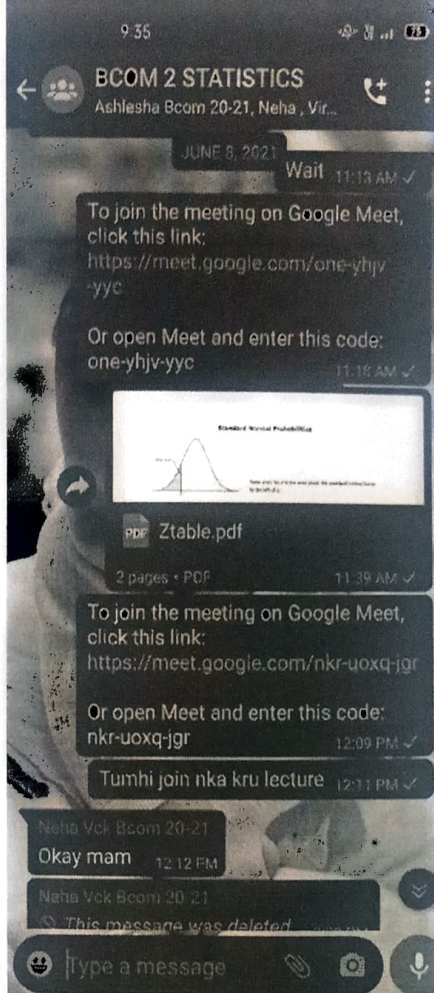
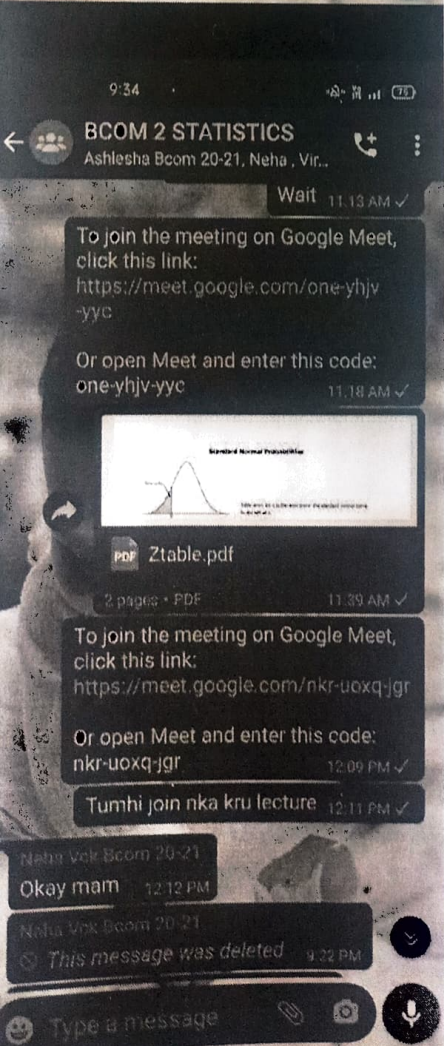
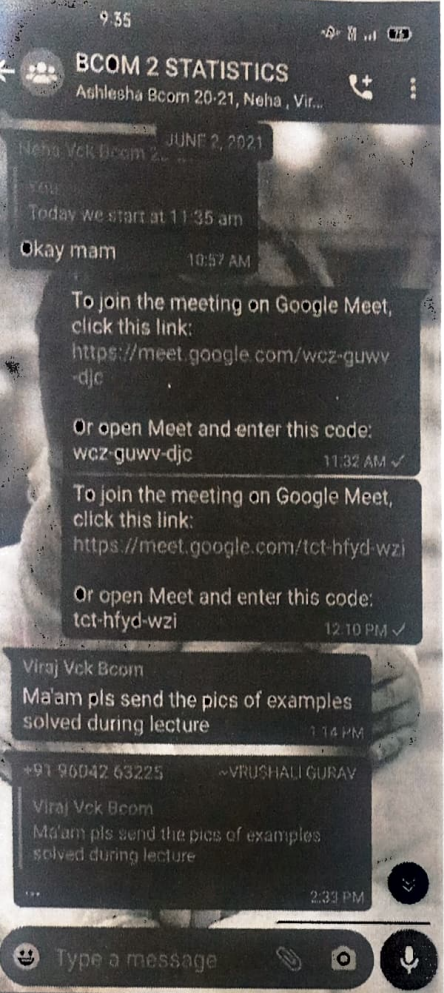


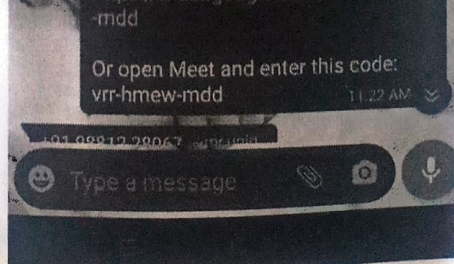
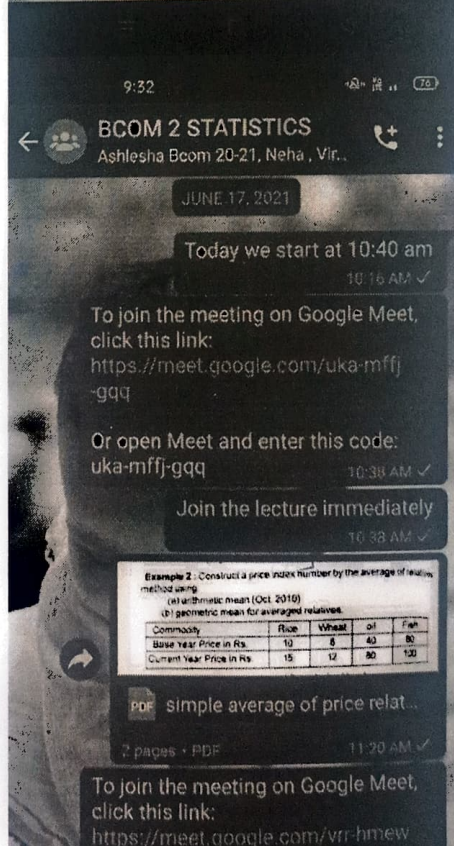
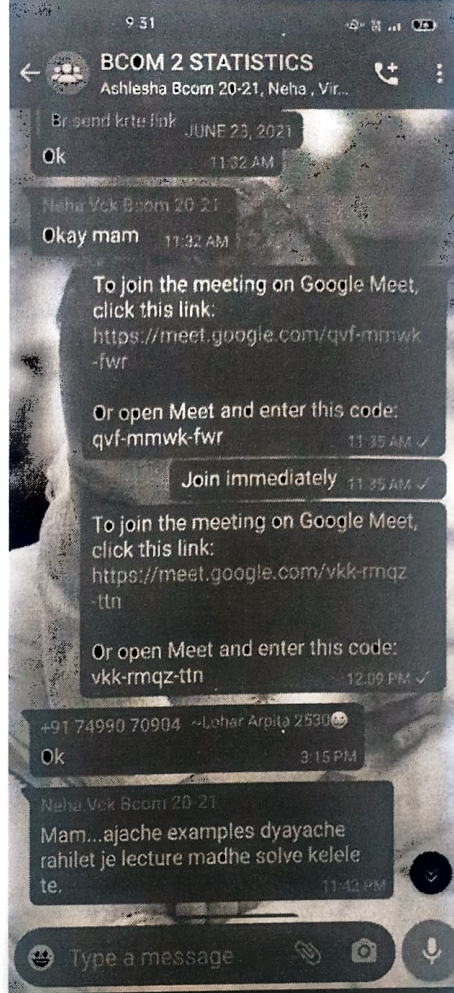
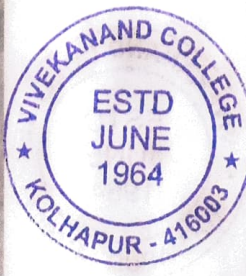
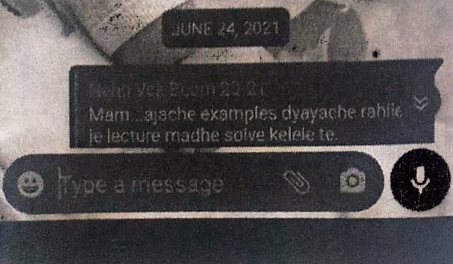
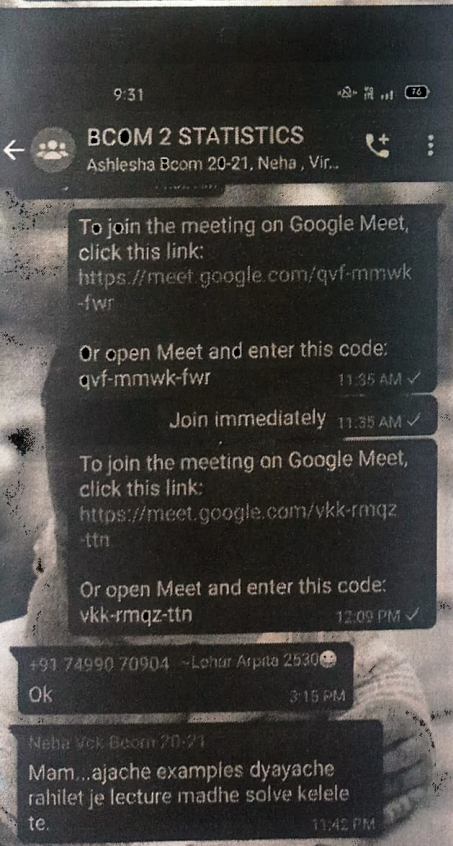
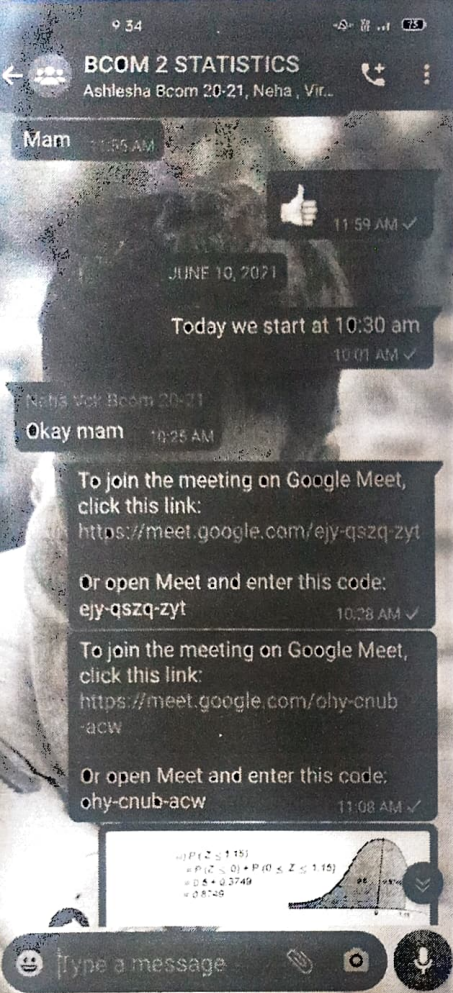


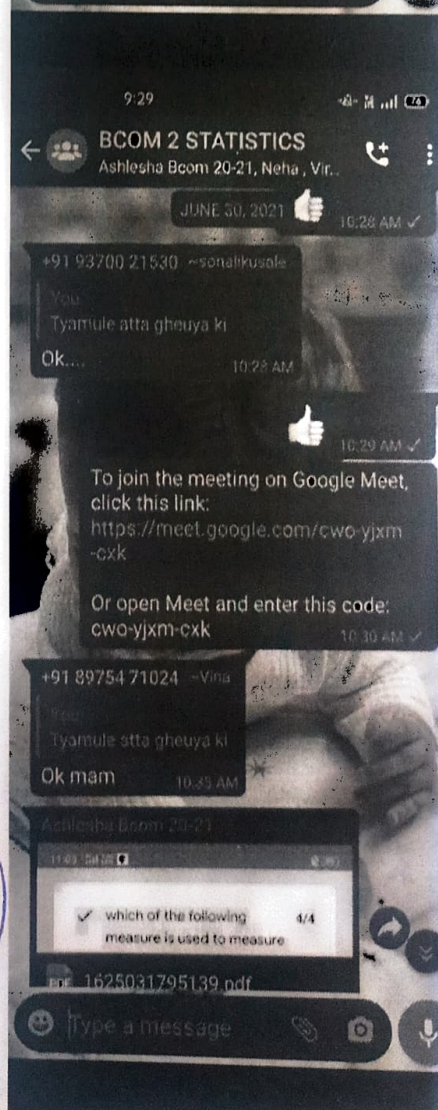
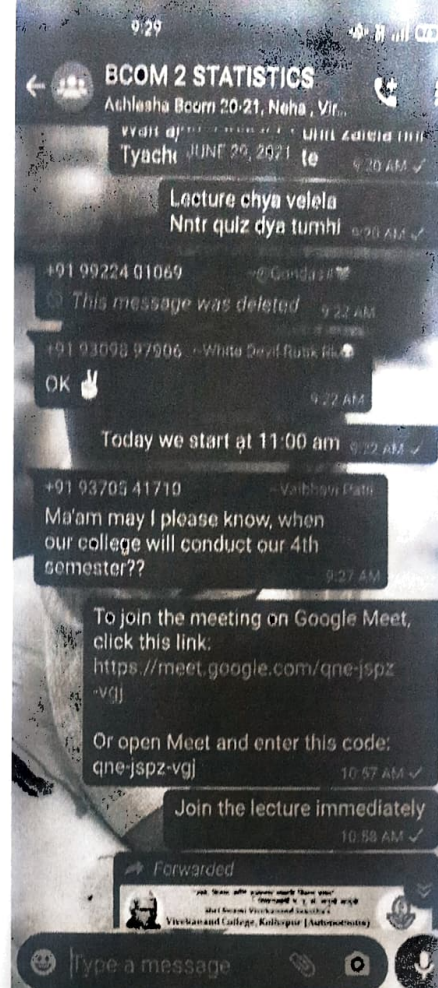
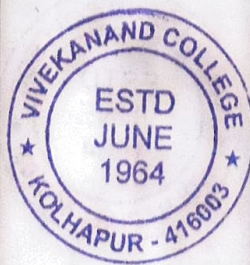
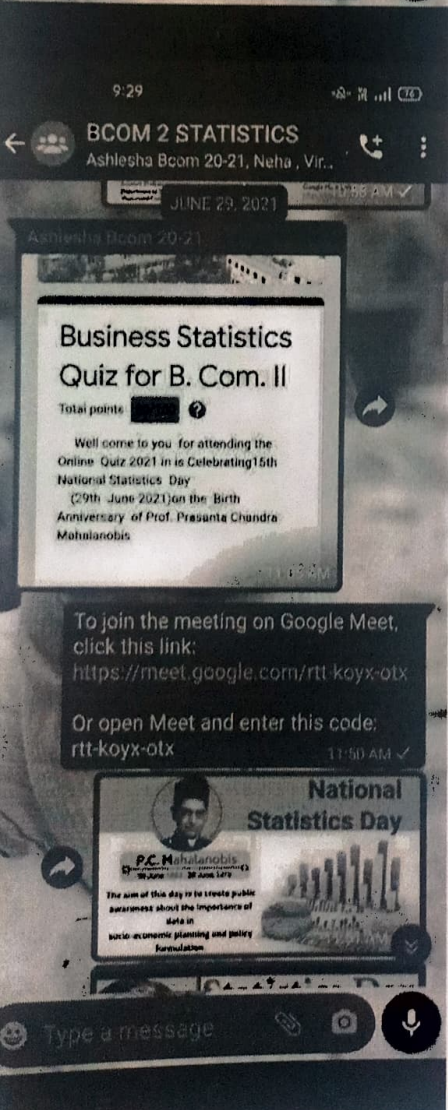
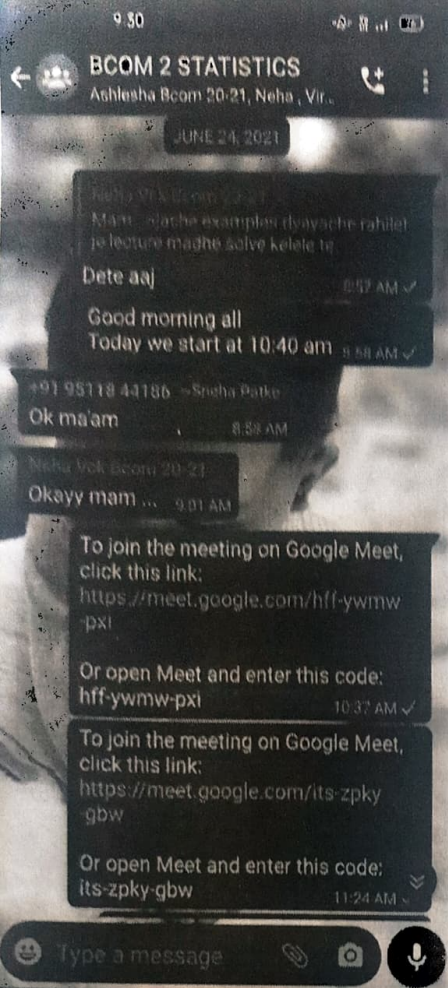


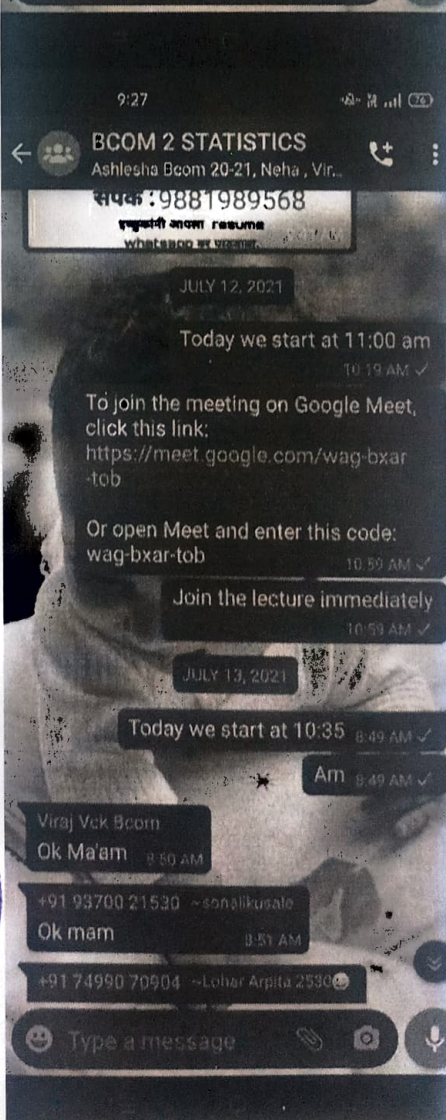
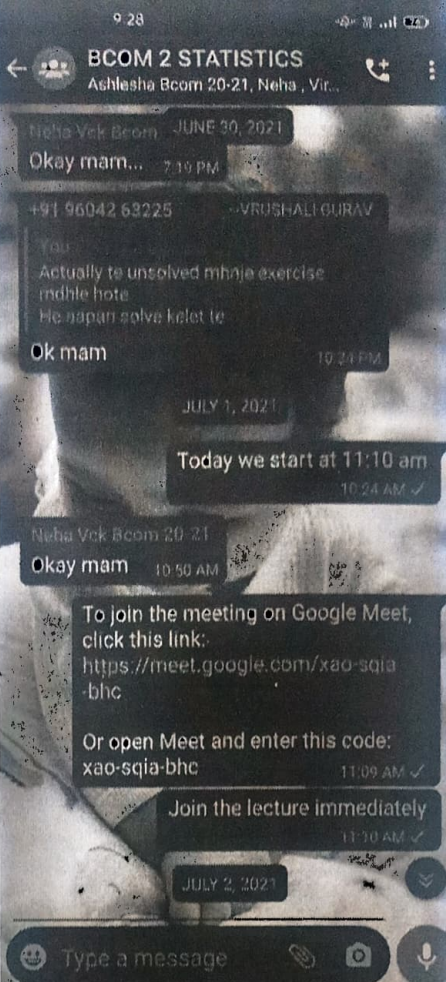
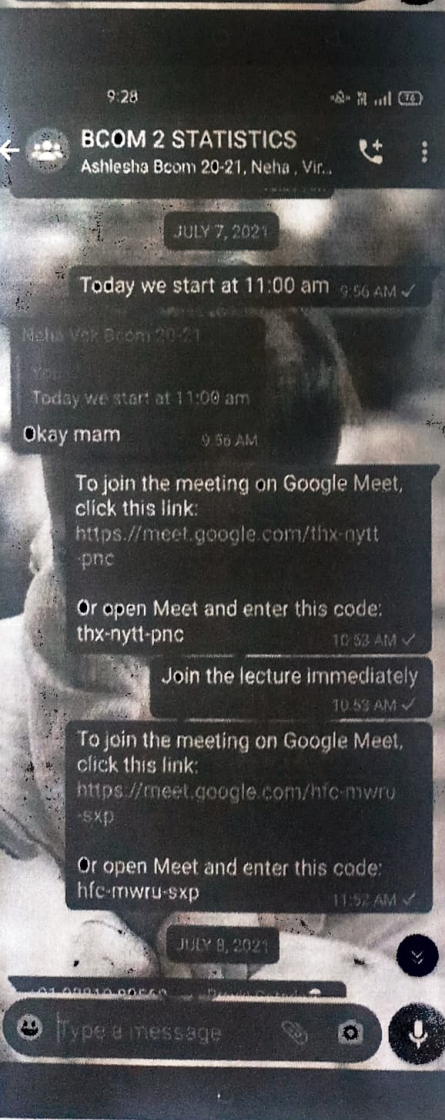
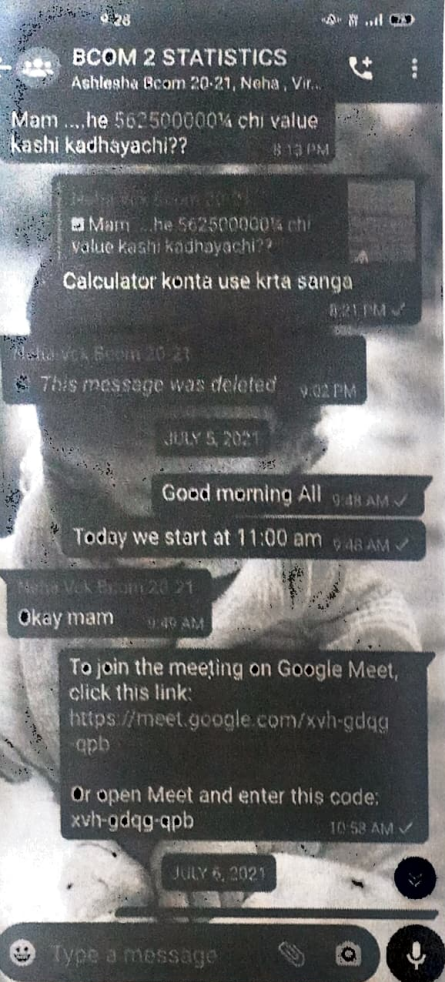


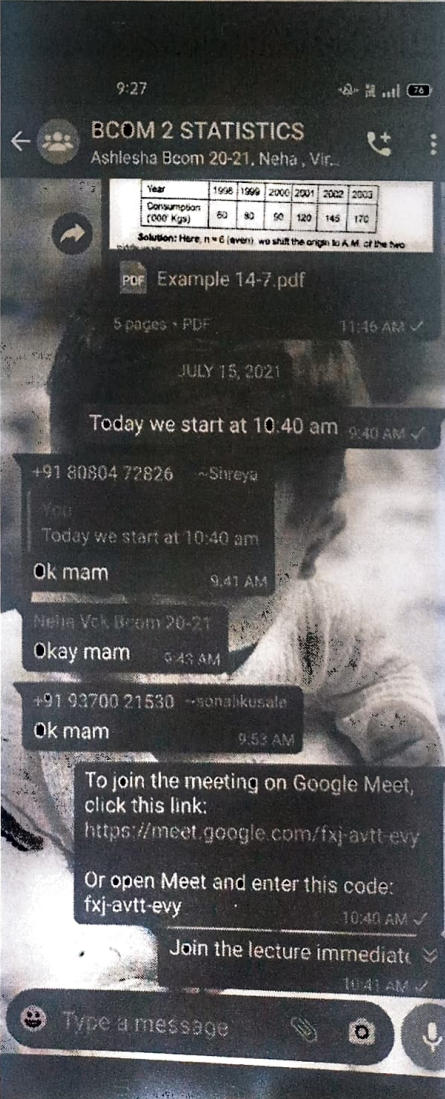
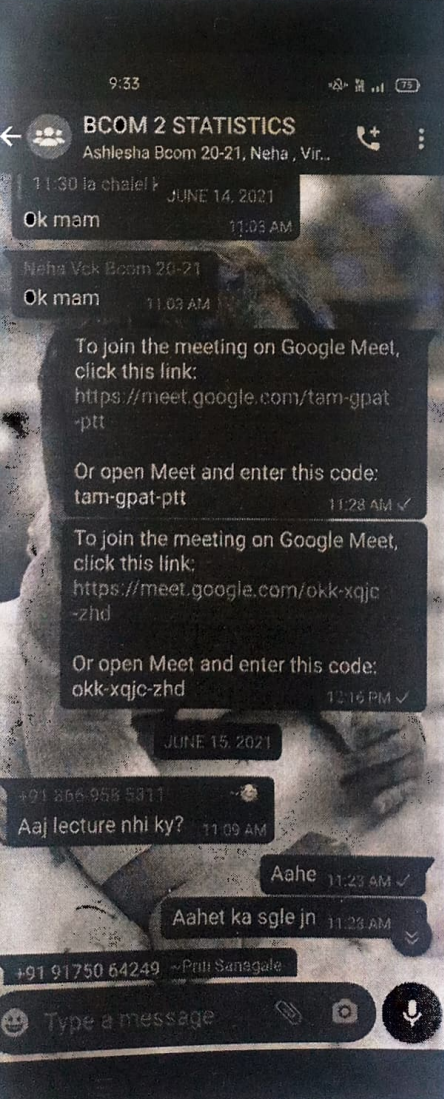
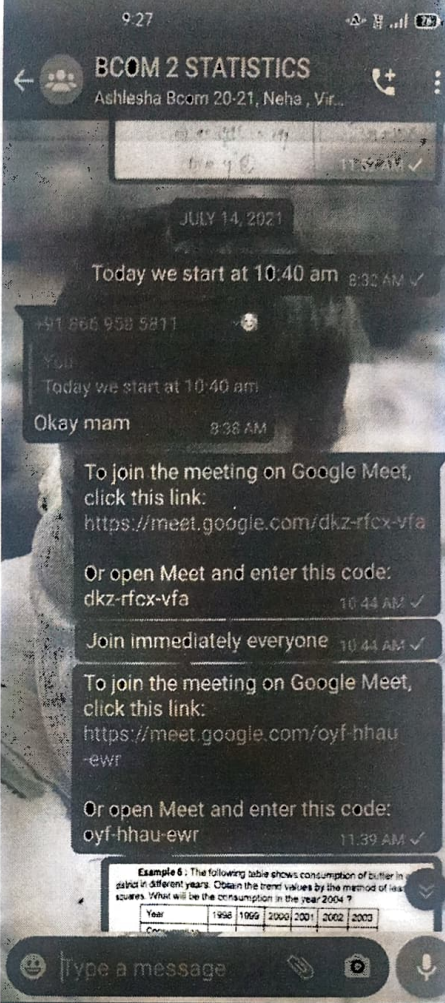
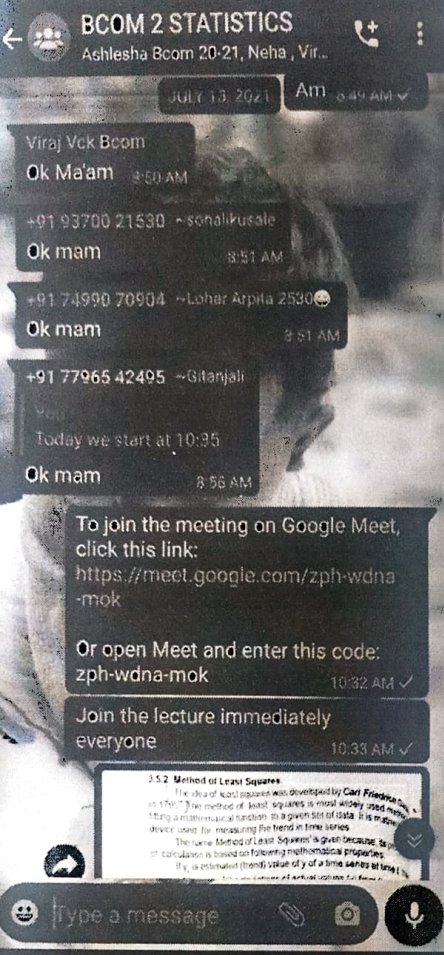












3.52 Method of Least Squares
 The idea of least squares was developed by Carl Friedrich Gauss in 1795. The method of least squares is most widely used method in statistics. It is used to find the best fit line for a given set of data. It is used to find the best fit line for a given set of data. It is used to find the best fit line for a given set of data.

Example 6: The following table shows consumption of butter in different years. Obtain the trend values by the method of least squares. What will be the consumption in the year 2004?

Year	1996	1999	2000	2001	2002	2003
Consumption (000 Kgs)	80	82	90	120	145	170

Year	1996	1999	2000	2001	2002	2003
Consumption (000 Kgs)	80	82	90	120	145	170

Solution: Here, $n = 6$ (even), we shall the origin to A.M. of the two middle values.

pdf Example 14-7.pdf

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