

Janata Shikshan Sanstha's
KISAN VEER MAHAVIDYALAYA, WAI (DIST. SATARA)
REPORT OF STUDENT'S SEMINAR

Name of the Department : Mathematics
 Name of the Teacher/s : P.D. Sutar sit:
 Class : B.Sc III Division: Subject : Mathematic Paper No. : XVI
 Year : 2019-20 Month : March
 Name of the Student : kadam Priyanka Dnyaneshwad
 Title of the Topic : Interpolation : Unequal Intetvals
 Date : 04-03-2020 Time : 01.30 to 02:00

List of Teachers and Students present for the seminar

Sr. No.	Roll No.	Name	Signature
1.	108	Mahangade Raviraj Sambhaji	
2	—	Pt. Sutar P. D.	
3		Pt. S. R. T. K.	
4		Shinde Sanyogite Vinod	
5		Pol Priyanka sameer	
6		Ecrande C.B	C.B.E

H.O.D.

Teacher in charge

Janata Shikshan Sanstha's

KISAN VEER MAHAVIDYALAYA, WAI (DIST. SATARA)

REPORT OF STUDENT'S SEMINAR

Name of the Department : Mathematics

Name of the Teacher/s : P.D. Sutar s/o.

Class : B-SC III Division : - Subject : Maths Paper No. : XIII

Year : 2019-20 Month : March

Name of the Student : Raviraj Sambhaji Mahangade

Title of the Topic : Metric Space

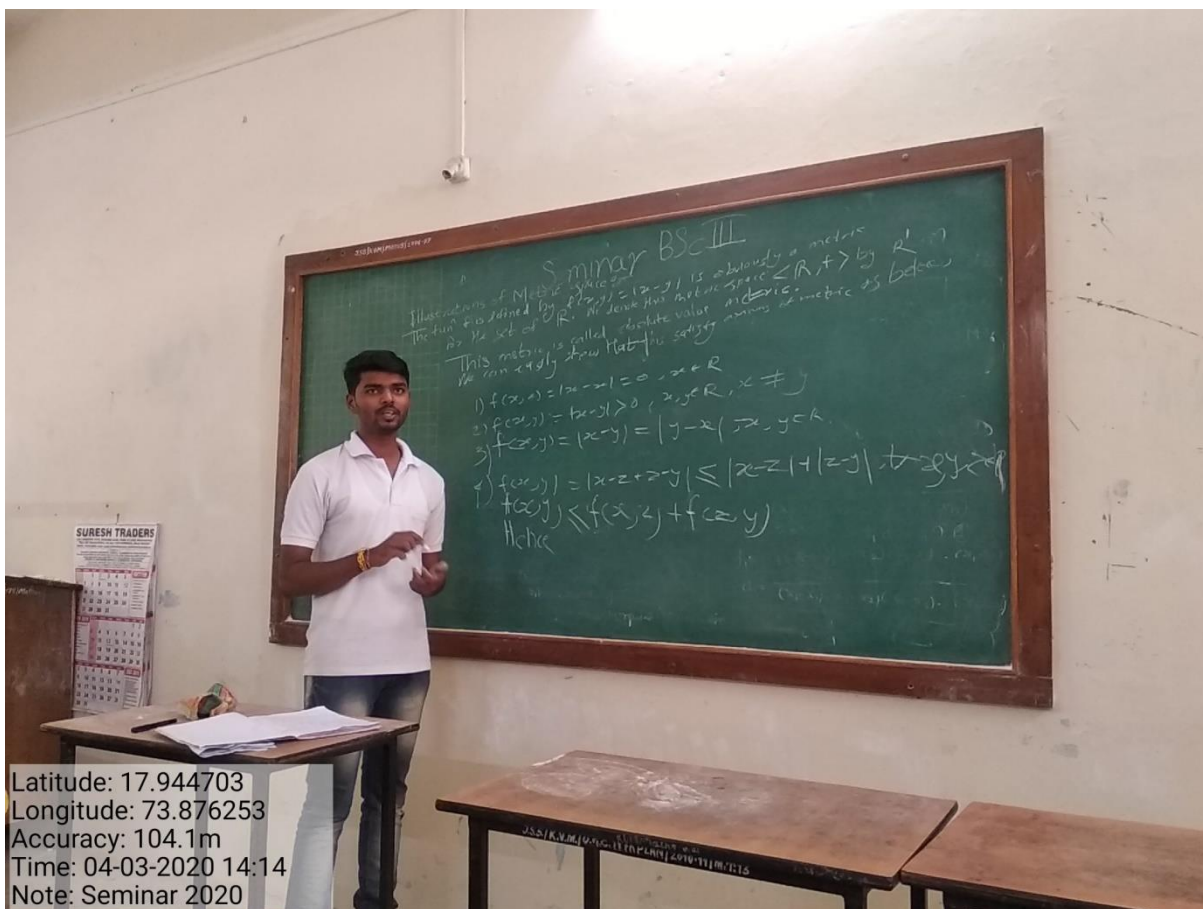
Date : 4/3/20 Time : 2:00 - 2:30

List of Teachers and Students present for the seminar

Sr. No.	Roll No.	Name	Signature
①	107	Kadam Priyanka D.	<u>Kadam</u>
2	-	Prof. Sutar P.D.	<u>M.S.</u>
3.		Prof. Tatk. S.R.	<u>SR</u>
4		Shinde Sanyogita Vinod	<u>Shinde</u>
5		Pol Priyanka Sameer	<u>Pol</u>
6		Eerande C.B	C.B.E

M.S.
H.O.D.

SR
Teacher in charge



Latitude: 17.944703
 Longitude: 73.876253
 Accuracy: 104.1m
 Time: 04-03-2020 14:14
 Note: Seminar 2020

Seminar BSc III

Illustrations of Metric space
 The function defined by $f(x,y) = |x-y|$ is obviously a metric
 on the set of \mathbb{R} . We denote this metric space (\mathbb{R}, f) by \mathbb{R}^1 .
 This metric is called absolute value metric.
 We can easily show that it satisfies axioms of metric as follows

- 1) $f(x,x) = |x-x| = 0, x \in \mathbb{R}$
- 2) $f(x,y) = |x-y| > 0, x, y \in \mathbb{R}, x \neq y$
- 3) $f(x,y) = |x-y| = |y-x|, x, y \in \mathbb{R}$
- 4) $f(x,y) = |x-z+z-y| \leq |x-z| + |z-y|, x, y, z \in \mathbb{R}$
 $f(x,y) \leq f(x,z) + f(z,y)$
 Hence

