Shiv Chhatrapati Shikshan Sanstha's
Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Department of Mathematics
A) A SUMMARY REPORT

1) Title of Programme:		Guest Lecture on **"q-ary Hamming Code"**		
2) Name of Organizing Department/Unit:		Mathematics		
3) Name of the Coordinator(s)/ Convener(s)/ Organizer(s) of the Programme:		Convener: Mr. Mahesh S Wavare		
4) Date(s) of the Programme:		25.11.2020		
5) Venue/Mode:		Online Microsoft Teams		
6) Target Group:		M.Sc.-II Mathematics		
7) Number of Participants:		Male	Female	Total
A separate list with signatures be maintained in the department/Unit)	Teaching	01	00	01
	Non-Teaching	00	00	00
	Students	04	16	20
8) Name(s) and details of Resource Person(s), if any:		Dr. Nitin S Darkunde, Assistant professor, School of Mathematical Sciences, S R T M University, Nanded.		
9) Total Expenditure for the Programme:		Nil		
10) Source of Funding:		NA		

B) A Report

i. Title: Guest Lecture on **"q-ary Hamming Code"**

ii. Introduction:

A guest Lecture by Dr. Nitin Darkunde on the topic "q-ary Hamming Code" is organized by department of Mathematics. This topic is from Coding Theory-II Paper of Sem-III of M.Sc.-II (Maths). So Participants are of M.Sc.-II Mathematics.

iii. Objectives:

- To explore knowledge of Linear Codes
- To Understand q-ary Hamming Code
- To judge the Perfect Codes
- To apply Decoding Algorithms using q-ary Hamming Codes

iv. Details of Participants

21(5 Male, 16 Female) participants attended the guest lecture.

v. Brief Summary of Events/ Sessions

It was a one guest lecture in which Prof. Mahesh Wavare Introduces about guest as well as program. Nitin S Darkunde revise the concept of linear codes and then define q-ary Hamming codes. He also explained how to decode the codes using q-ary Hamming code.

vi. Conclusion, with Feedback on the Programme

Student get the knowledge about decoding algorithm using Hamming Codes. Student can able judge which code is perfect and which on is not. Students were satisfied about the program.

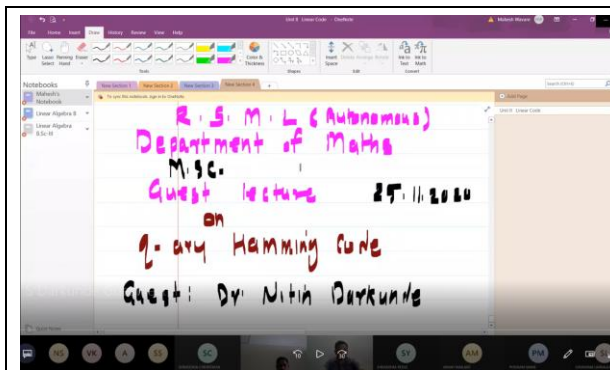**vii. Any Appendix if necessary**

List of the participant

Date: 25/11/2020

Convener/HoD

HEAD.
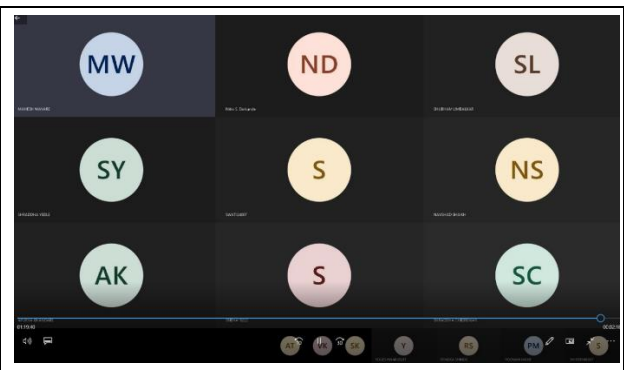*Dept. of Mathematics*
Rajarshi Shahu College,
LATUR – 413 512.

Principal
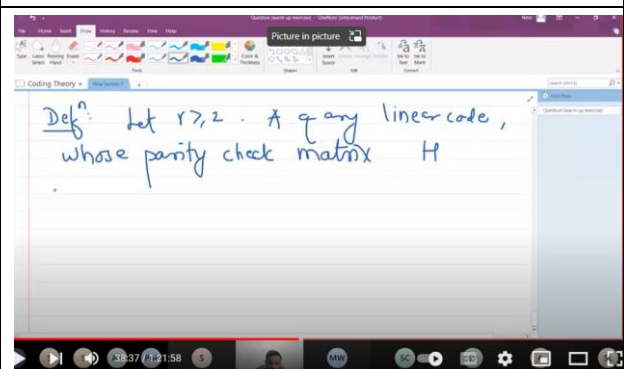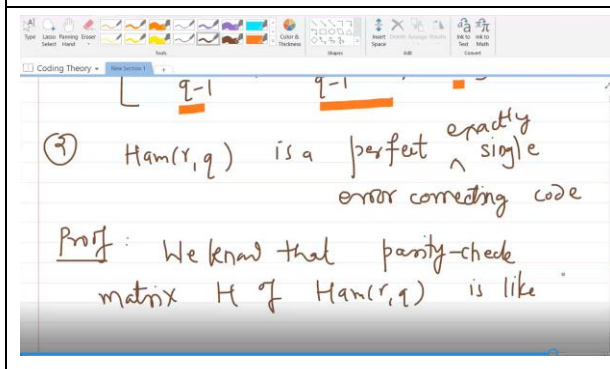
PRINCIPAL
Rajarshi Shahu Mahavidyalaya
(Autonomous), Latur

C) Screenshots/Geotagged Photographs:

Prof. Mahesh Wavare while Introducing guest and program	Participants during guest lecture
Dr. Nitin S Darkunde Assistant professor School of Mathematical Sciences, S R T M U Nanded is giving online Guest Lecture on the q-ary Hamming Code (25.11.2020)	

D) Copies of Brochure /Flyer Prepared for the Programme:

A Guest Lecture on q-ary Hamming Code

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

Date : 25.11.2020

Time : 11.30 am

Class : M.Sc-II(Mathematics)

Joining Link :
https://teams.microsoft.com/l/meetup-join/19%3a2cee6a021b254dcc9cdad41e50943ae5%40thread.tacv2/1602439026886?context=%7b%22Tid%22%3a%22e8f34de1-f7db-463e-bb7f-379d5e6286a8%22%2c%22Oid%22%3a%22f2d6c3ba-3afc-4fe5-ad36-ef4c75d2c58e%22%7d

Mr. Mahesh S Wavare, Convener

Department of Mathematics,

Rajarshi Shahu Mahavidyalaya(Autonomous),Latur

Dr. Nitin S Darkunde
Assistant Professor
School of Mathematical Sciences,
S R T M University, Nanded

E) Link of Video of the programme:

https://youtu.be/uHbGMLhX61o

Rajarshi Shahu Mahavidyalaya (Autonomous), Latur
Department of Mathematics
Guest Lecture on "q-ary Hamming Code"
List of Participants

Sr. No.	Name of the Participant	Class/Designation	Gender
1	Mahesh Wavare	Faculty	Male
2	Sana Maniyar	M.Sc.-II	Female
3	Sohit Shaikh	M.Sc.-II	Male
4	Swati Swami	M.Sc.-II	Female
5	Shireen Maniyar	M.Sc.-II	Female
6	Poonam Mane	M.Sc.-II	Female
7	Shraddha Chidrewar	M.Sc.-II	Female
8	Apurva Khandare	M.Sc.-II	Female
9	Sneha Patil	M.Sc.-II	Female
10	Shraddha Yedle	M.Sc.-II	Female
11	Navshad Shaikh	M.Sc.-II	Female
12	Nitin S. Darkunde	Resource Person	Male
13	Abhay Mailare	M.Sc.-II	Male
14	Vaishnavi Kale	M.Sc.-II	Female
15	Yogeshwari Somawanshi	M.Sc.-II	Female
16	Pooja Zanje	M.Sc.-II	Female
17	Renuka Shinde	M.Sc.-II	Female
18	Seema Kadam	M.Sc.-II	Female
19	Sagar Shinde	M.Sc.-II	Male
20	Maya Mule	M.Sc.-II	Female
21	Vishal Chapate	M.Sc.-II	Male

Date: 25/11/2020

Convener/HoD
HEAD.
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