





SHARDA
UNIVERSITY
Beyond Boundaries

EVENT COMPLETION REPORT

SECTION A: Event Detail

Event title:	Department of Mathematics SBSR Organizing 'Numeracy - An online Workshop on "Modelling & Data Visualization of COVID-19" 30th April- 4th MAY 2020		
Starting date of event:	30th April 2020	Duration of Event (in days)	5
Name of the event organizing School	School of Basic sciences & Research		
Name of the event organizing Department	Department of Mathematics		
Sponsor of the Event (Sharda University in case of internal sponsorship)	Sharda University		
Committee Members:	Convener	Prof. H. S. Gaur (Dean- SBSR) Dr. Khursheed Alam (HOD- Mathematics)	
	Coordinator	Dr. Sangeeta Gupta Dr. Sweta Srivastav Dr. P.S. Jha	
	Secretary		
Chief Guest/ Guest of Honor with affiliation (If any)	NA	Email:	 Contact No.  School of Basic Science and Research Sharda University, Greater Noida, India

Name of Speaker/s with affiliation (If any)	1. Manoj Dubey	Email:
	2. Dr. Anjali Singh	Contact No:

SECTION B: Event report and reflection

Event objectives-

- To give exposure about the importance of mathematical modeling in real life.
- To highlight features of visual representation of data.
- Main goal of data visualization is effectively, efficiently, elegantly, accurately as well as meaningfully communicating information.
- To show effective use of R and Python in data analysis etc.
- To give support in making decision through appropriately designed graphically represented information..

Event description: Workshop was led by experienced faculty from India and abroad and was designed to provide a forum for discussing modelling and data visualisation of current scenario.

In these five day student gain knowledge about the importance of mathematical modeling in real life, how to use of R and Python in data analysis and how data visualization is effectively, efficiently, elegantly, accurately as well as meaningfully communicate information.

Participants (compulsory for events):

S. No	Total Participants	Number of Male	Number of Female
	68	39	29

1. Budget distribution from University/any other agency: Nil

2. Appendices

Please attach the following details in the report (DON'T SEND ANY OTHER ATTACHMENTS)

Note that the participant contact list is a mandatory requirement .

✓	Appendices
1	Participant contact list: ✓
2	Participants feedback on the organized program.
3	Event Agenda-
4	Photogr Images/Photos of the events (Selected with Caption) representatives, speakers, and exhibitors ✓
5	Web sites link (If created)
6	Other information (If Any)
7	Videos (Selected with Video Description) representatives, speakers, and exhibitors

Day 1

Manoj Dubey
School of Basic Science and Research
Sharda University, Greater Noida, India

ROLE IN LIFE INSURANCE

- designing and pricing contracts
- monitoring the funds required to provide the benefits promised
- recommending bonuses to be added to with-profit policies
- providing expert advice on investment
- getting involved in the planning and marketing of products
- advising on strategic risk measurement
- Regulatory reporting

Participants (20): Sangrita Gupta (M), Prem Shankar Jha (M), Mahadev ota, Vinod Kumar, Anil Sharma, Anurag Kumar, Anil Singh, Shantanu Gupta, Deepankar Rai, Dilip Singh, Pooja Singh, Gaurav Sharma, Goli, Ishan Abhishek Singh, Siddhant Singh, ...

Day 2

ROLE IN GENERAL INSURANCE

- Reserving - actuaries apply statistical techniques to assess the likely outcome of general insurance liabilities and the provisions that are needed for reporting purposes
- Pricing - actuaries assess the frequency and average amount of claims to estimate premiums
- Capital modeling - actuaries project both the liability and assets of insurers to assess solvency and future capital needs
- Regulatory reporting

Participants (20): Sangrita Gupta (M), Prem Shankar Jha (M), Mahadev ota, Vinod Kumar, Anil Sharma, Anurag Kumar, Anil Singh, Shantanu Gupta, Deepankar Rai, Dilip Singh, Pooja Singh, Gaurav Sharma, Goli, Ishan Abhishek Singh, Siddhant Singh, ...

Day 3

Continued...

- Reading is free formatted data from an ASCII file using the readtable function
- The readtable function will let you read in any type of delimited ASCII file. You can read in both numeric and character data. The default is for it to read in everything as numeric data, and character data is read in as numeric. It is easy to change that since the data has been read in using the readtable function. This is by far the easiest and most reliable method of reading data into R.
- read = read.table("text.txt", header = TRUE)
- The default delimiter in readtable is the space delimiter, but this could create problems if there are missing data.
- read.table = read.table("text", as.is = TRUE, header = TRUE)
- Use 2 dot not have 3 elements.

Participants (20): Sangrita Gupta (M), Pooja Chandra, Anurag Kumar, Anil Singh, Shantanu Gupta, Deepankar Rai, Dilip Singh, Pooja Singh, Gaurav Sharma, Goli, Ishan Abhishek Singh, Siddhant Singh, ...

Day 4

Mitisha Singh
 School of Basic Science and Research
 Sharda University, Greater Noida, India

Zoom

Sangeeta Gupta Sweta Srivastava Suman Sinha

Why?

Words may be mightier than the sword, but in a battle for our brains, visual images win every time.

Colin Ware, author of "Information Visualization: Perception for Design" states,

"The eye and the visual cortex of the brain form a massively parallel processor that provides the highest-bandwidth channel into human cognitive centres."

Participants (12)

Find a participant	Participant	Status
SG	Sangeeta Gupta (host, not)	✓
DN	Deviendra Kumar	✓
A	Abhinav Sharma	✓
AB	Abhinav Sharma	✓
AK	Abhinav Kumar	✓
AP	Alpa Mishra	✓
AS	Anshu Sharma	✓
AK	Anjali Kumar	✓
SR	SHRUTI CHANDRA GUPTA	✓
DR	Deepanshi Ravi	✓
AS	Arushi Sharma	✓
BA	Brijendra Agrawal	✓
K	Kundan Kumar	✓
LS	Lisa Singh	✓

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Day 5

Zoom

Sangeeta Gupta Tejashvi Sharma Prem Shankar Jha

Outcomes

Finally the model comes out with following conclusions

1. Time to finish positive inventory
2. Shortage quantity
3. Minimum total cost incurred
4. Economic ordering quantity.

Participants (12)

Find a participant	Participant	Status
SG	Sangeeta Gupta (host, not)	✓
VM	Varun Mishra	✓
AB	Abhinav Sharma	✓
A	Abhinav Sharma	✓
AK	Abhinav Kumar	✓
AP	Alpa Mishra	✓
AS	Anshu Sharma	✓
AK	Anjali Kumar	✓
SR	SHRUTI CHANDRA GUPTA	✓
DR	Deepanshi Ravi	✓
AS	Arushi Sharma	✓
BA	Brijendra Agrawal	✓
K	Kundan Kumar	✓
LS	Lisa Singh	✓

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Shruti Chandra Gupta
 Research
 School of Basic Science, Greater Noida, India
 Sharda University, Greater Noida, India

List of Participants

	NAME	COURSE
1	S.S Vaishnavi Rout	Bsc Honours (maths)
2	Deepanshi Rai	B.sc mathematics
3	Swati kumari	Bsc maths honrs
4	Sarla	Bsc maths honrs.
5	Pushkar verma	B.tech
6	Ishita bahuguna	Bsc data science
7	Sachin Kumar	B.Sc Mathematics
8	Bishal Dey	Bsc. Maths Hons.
9	Goldy	Bsc
10	Umar Alhassan Ahmad	PhD Mathematics
11	Yusuf Aiyu Adamu	Research Scholar
12	Dr. Santosh Kumar	Maths
13	Virat Chauhan	Bsc mathematics honours
14	Abhishek Prasad	Bsc mathematics honours
15	Aniket Sharma	Bsc mathematics honours
16	Anjani Kumar	Bsc mathematics honours
17	Ankit Tyagi	Bsc mathematics honours
18	Bishal Dey	Bsc mathematics honours
19	Deepanshi Rai	Bsc mathematics honours
20	Gaurav Sharma	Bsc mathematics honours
21	Jyotirmai Satapathy	Bsc mathematics honours
22	Kajol Agrawal	Bsc mathematics honours
23	Muskan Saifi	Bsc mathematics honours
24	Nikhil Tyagi	Bsc mathematics honours
25	Parul Dhiman	Bsc mathematics honours
26	Pradhuman Sharma	Bsc mathematics honours
27	Pragati Dhapola	Bsc mathematics honours
28	Praveen Kumar Choudhary	Bsc mathematics honours
29	Princi Rathore	Bsc mathematics honours
30	Rishav Raj Katwal	Bsc mathematics honours
31	Ritika Gupta	Bsc mathematics honours
32	S S Vaishnavi Rout	Bsc mathematics honours
33	Sachin Kumar	Bsc mathematics honours
34	Sakshi Yadav	Bsc mathematics honours
35	Sandeep Kushwaha	Bsc mathematics honours


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36	Sandini Sonam	Bsc mathematics honours
37	Sanjulika Sharma	Bsc mathematics honours
38	Shams Ur Rahman	Bsc mathematics honours
39	Shivam Tanwar	Bsc mathematics honours
40	Shivam Kumar	Bsc mathematics honours
41	Vansh Goswami	Bsc mathematics honours
42	Varun Singh	Bsc mathematics honours
43	Vishal Rai	Bsc mathematics honours
44	Yati Puniya	Bsc mathematics honours
45	Furqan Iqbal Haqani	Mathematics
46	Nikhil bansal	Sbsr
47	Mayank	Education
48	Nidhi Mishra	Mathematics
49	Goldy	Mathematics
50	Dr. RINKAL SHARMA	EDUCATION
51	Rahul Kumar	Mathematics
52	Nishi Tyagi	Education
53	Ravi kishan	chemistry
54	Sakshee Singh	Education
55	Eshant	Education
56	Shivani malik	SOE
57	Suchitra Chauhan	Mathematics
58	Md Arif	Mathematics
59	RIYA VASHISTHA	SOE
60	Varsha Singhal	Mathematics
61	Monika Chauhan	Education
62	Shivani mailk	SOE
63	Pallavi Gupta	Physics
64	SHALINEE ROY	BIOTECHNOLOGY
65	Manish khari	Sahs
66	Vikash	Mathematics
67	Sneha	cse
68	Milee raj	bsc bed integrated


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