Annual Report Department

Department/ Society Name: Computer Science

Annual Report Year: 2020-2021

Number of Events/ Activities Conducted:13

Summarized details of Events/ Activities:

Sr. No	Name of Events/ Activity	Date of Event/ Activity	No. of Faculties Attended	No. of Students Attended	Name of Speaker/ Resource Person
1.	Webinar on Effect of Image Quality on Machine Learning	03/10/2020	7	50	Mr Hitansh Singla
2.	Webinar on basics of digital marketing and how to enter into Digital marketing space	26/09/2020	7	93	Mr Himanshu Gaba
3.	Poster Making Competition on Environmental Awareness	19/09/2020	2	8	--
4.	Learnathon 2020	04/05/2020 to 30/06/ 2020	--	55	--
5.	One Week Online Faculty Development Program on Introduction to machine learning in Research (Concepts & Practical use)	10/10/2020-18/10/2020	7	--	Dr. Neeraj K Sharma; Mr. Subodh Kumar
6.	Creative Writing Competition on Gender Sensitization	24/10/2020	7	38	--
7.	Certificate Course on Vector Design and Animation	20/06/2020 to 20/07/2020	7	54	
8.	Modern Web Development Tools	15/08/2020 to 07/10/2020	3	115	Ms. Sakshi Taaresh Khanna
9.	Certificate Course on Full Stack Web Development and Hosting	23/01/2021 to 27/03/2021 (Every Saturday)	2	203	Ms. Manisha Wadhwa; Ms. Nupur Tyagi
10.	Virtual Seminar on Quantum Machine Learning	15/02/2021 to 18/02/2021	6	79	Mr. Ram Kumar Balasubramanian (Cloud Architect CMS IT Services)

11.	Virtual Seminar on Blockchain	19/02/2021	8	54	Mr. Rajat Gahlot, Co-Founder & CSO-QuillhashTechnologies
12.	Virtual workshop on Virtual Labs	26/02/2021	8	119	Mr. Prateek Sharma & Mr. Shivam Sundaram- Virtual Labs Mentors
13.	Aptitude Test Series	30/09/2020, 30/10/2020	--	60,45	Ms. Nupur Tyagi & Ms. Manisha Wadhwa Arora

Detailed Information about Events:

1. **Title of the event:** Webinar on Effect of Image Quality on Machine Learning

2. **Date and duration:** 03/10/2020, 12:00p.m. To 2:00 p.m.

3. **Venue/online:** Online

4. **Nature of event:** National/ International/ State/ Inter-college/ Intracollege: National

5. **Invited speakers, their affiliation and brief profile of each speaker:** Mr Hitansh Singla (Alumni 2013-2017 batch) MSc Data Science LMU Munich,working in Zesavi.com, Munich as Software Developer

6. **Brief summary of the event:** The Department of Computer Science organized a webinar on Webinar on Effect of Image Quality on Machine Learning on 3-10-2020, from 12:00 P.M. to 2:00 P.M. virtually via Google Meet. This Webinar was specially meant for all the students interested in the use of image classification techniques in vehicle classification. This was organized with a view to make the students gain the knowledge about data annotations or more commonly called data labeling, which is an integral part of AI and Machine Learning. One of the biggest concerns that organizations have while doing AI and ML is about handling data. Intelligent transportation systems have acknowledged a ration of attention in the last decades. Further, vehicle classification and detection is a hard problem to identify and locate because wide variety of vehicles don't follow the lane discipline. In this webinar, speaker explained the steps about how to identify and create a convolution neural network from scratch to classify and detect objects using a modern convolution neural network based on fast regions.

7. **Teams / Individual participants outside the college:** Yes

8. **Number of participating students and attached list of students**

Name of Student	Programme of Study	Semester
Hitesh Taneja	B.Sc.(H) Computer Science	III Year
Love Kumar	B.Sc.(H) Computer Science	
Devi Rani	B.A. (Program)	III Year
Bhomic kaushik	B.Sc.(H) Computer Science	II Year
Shivangi garg	B.Sc.(H) Computer Science	III Year
Ashish tripathi	B.Sc.(H) Computer Science	
Aasif	B.Sc.(H) Computer Science	III Year
Arushi	B.Sc.(H) Computer Science	
Sahil Wadhwa	B.Sc.(H) Computer Science	III Year
Sumit	B.Sc.(H) Computer Science	III Year
Aastha Sharma	B.Sc.(H) Computer Science	
Aarti Nayak	B.A. (Program)	II Year
KAPIL YADAV	B.A. (Program)	II Year
Smiti Sansanwal	B.Sc.(H) Computer Science	II Year

Name	Course	Year
JEEVESH KUMAR HASTORIYA	B.Sc.(H) Computer Science	III Year
Harshit Chamoli	B.Sc.(H) Computer Science	II Year
Swapnil Sengupta	B.Sc.(H) Computer Science	II Year
Anjali Kapoor	B.Sc.(H) Computer Science	II Year
Aniket Nanda	B.Sc.(H) Computer Science	II Year
Neeraj Kumar	B.A. (Program)	III Year
Anuj Gupta	B.A. (Program)	II Year
Aman Gahlawat	B.Sc.(H) Computer Science	II Year
Anurag Yadav	B.A. (Program)	II Year
Akshit kushwaha	B.Sc.(H) Computer Science	II Year
Anubhav Jain	B.Sc.(H) Computer Science	II Year
Sanjeev Kumar Yadav	B.Sc.(H) Computer Science	II Year
Aarti Nayak	B.A. (Program)	II Year
Aniket Srivastava	B.Sc.(H) Computer Science	III Year
Rishita Parashar	B.A. (Program)	II Year
Anjali	B.A. (Program)	II Year
Anjali	B.A. (Program)	III Year
Kiran singh	B.A. (Program)	III Year
Hritesh Prasad	B.A. (Program)	II Year
Prateek Ranjan Tiwary	B.Sc.(H) Computer Science	III Year
Unnati Aggarwal	B.Sc.(H) Computer Science	III Year
Madhav Kumar	B.Sc.(H) Computer Science	III Year
Tanmay bhardwaj	B.Sc.(H) Computer Science	III Year
Namam sharma	B.Sc.(H) Computer Science	III Year
Gaurish Gulati	B.Sc.(H) Computer Science	III Year
Abhishek Madaan	B.Sc.(H) Computer Science	III Year
Kamal	B.Sc.(H) Computer Science	III Year
Devi Rani	B.A. (Program)	III Year
Pulkit Rajput	B.Sc.(H) Computer Science	III Year
Varun Goel	B.Sc.(H) Computer Science	II Year
Soransh Singh	B.Sc.(H) Computer Science	II Year
Shristi Gupta	B.Sc.(H) Computer Science	II Year
Ankush Surya Singh	B.S.c. (H) Mathematics	II Year
Ayush Gupta	B.Sc.(H) Computer Science	II Year
Shrey Shukla	B.A. (Program)	II Year
Jai Gupta	B.Sc.(H) Computer Science	III Year
Mona Adlakha	OTHERS	III Year
Garv Sharma	B.Sc.(H) Computer Science	III

Name	Course	Year
Sumit Negi	B.Sc.(H) Computer Science	Year
Sajal Maheshwari	B.Sc.(H) Computer Science	II Year
Aanand Thakur	B.Sc.(H) Computer Science	II Year
Ruchi bhandari	B.Sc.(H) Computer Science	I Year
Priyanshu semwal	B.Sc.(H) Computer Science	II Year
Yuvraj	B.A. (Program)	III Year
Bhumika Taneja	OTHERS	III Year
Shweta	B.A. (Program)	III Year
Rachit Shukul	B.A. (Program)	III Year
Moh Riean	B.A. (Program)	II Year
Priyesh jha	OTHERS	III Year
Ujjawal Shrivastava	B.Sc.(H) Computer Science	Faculty
Om Prakash	OTHERS	II Year
Beena kumari	B.A. (Program)	II Year
Abhimanyu Singh	B.Sc.(H) Computer Science	III Year
Arpit pal singh	B.Sc.(H) Computer Science	II Year
Pawan Rajput	B.Tech.	II Year
Aastha Goel	B.Sc.(H) Computer Science	II Year
Vaishali	B.Sc.(H) Computer Science	II Year
Nishant Kumar	B.Sc.(H) Computer Science	III Year
Shefali yadav	B.Sc.(H) Computer Science	II Year
Gyan Prakash Tripathi	B.Sc.(H) Computer Science	II Year
dhruv sharma	B.Sc.(H) Computer Science	II Year
Anuj Gupta	B.A. (Program)	II Year
Vaishali ahlawat	B.A. (Program)	II Year
Aman Jain	B.Sc.(H) Computer Science	II Year
Shubham tiwari	B.Sc.(H) Computer Science	II Year
		II Year
		III Year
		II Year
		III Year
		II Year
		II Year
		II Year

		IV Year
		III Year
		II Year
		III Year
		III Year
		III Year

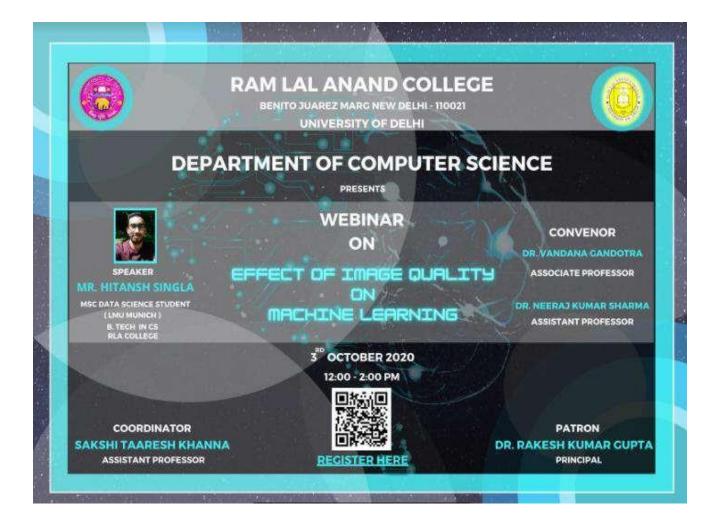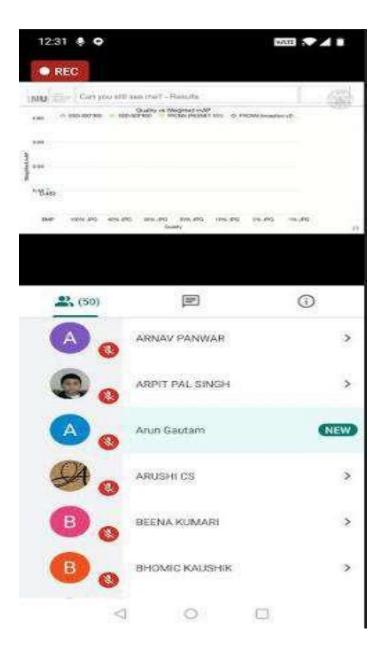9. **Number of participating faculty members and attached list of faculties in the given format**

Name of faculty member	RLA/ Non- RLA	Department
Dr. Vandana Gandotra	RLA	Computer Science
Dr. Neeraj K Sharma	RLA	Computer Science
Ms. Sakshi Tareesh Khana	RLA	Computer Science
Mr. Arun K Gautam	RLA	Computer Science
Ms. Shikha Verma	RLA	Computer Science
Ms. Manisha Wadhwa	RLA	Computer Science
Ms. Nupur Tyagi	RLA	Computer Science

10. Funding / Sponsorship received (if any): NA

11. Awards given (if any): NA

12. Brief feedback report : 50 students attended the webinar. Resource person Mr Hitansh Singla (Alumni 2013-2017 batch) M.Sc. Data Science-LMU Munich, working in Zesavi.com, Munich as Software Developer, addressed the participants and motivated them to undertake some projects in Machine Learning. The webinar was properly structured in which first session was based on the development of the machine learning model followed by question answer session. The session was informative as well as interactive, as reflected from the feedback received from the participants. The webinar was beneficial to all.

13. Representative pictures

● REC

Can you still see me? – Results

Quality vs Weighted mAP

BMP 100% JPG 40% JPG 30% JPG 20% JPG 10% JPG 5% JPG 1% JPG
Quality

👥 (50)   💬   ⓘ

A   ARNAV PANWAR   >

ARPIT PAL SINGH   >

A   Arun Gautam   NEW

ARUSHI CS   >

B   BEENA KUMARI   >

B   BHOMIC KAUSHIK   >

👥 (50)   💬   ⓘ

Sakshi Taaresh Khanna (You)

Hitansh Singla   >

Hitansh Singla   >

V   VARUN GOEL   >

Also in the meeting (46)

AANAND THAKUR   >

WEBINAR ON EFFECT OF IMAGE QUALITY ON MACHINE LEARNING

Your response has been recorded.

Submit another response

Google Forms

Detailed Information about Events:

1. **Title of the event:** Webinar on Basics of Digital Marketing & How to enter into DigitalMarketing space

2. **Date and duration:** 26-09-2020, 2 hours

3. **Venue/online:** Online via Google Meet

4. **Nature of event:** National/ International/ State/ Inter-college/ Intracollege etc.

5. **Invited speakers, their affiliation and brief profile of each speaker:** Mr Himanshu Gaba (Alumni 2017 batch) working in Amazon India as Advertising Manager

6. **Brief summary of the event:** The Department of Computer Science organized a webinar on Basics of Digital Marketing and How to enter into Digital Marketing Space on 26-09-2020, from 12:00 P.M. to 2:00 P.M. virtually via Google Meet. This Webinar was specially meant for all the students interested to enter into digital space for marketing. This was organized with a view to make the students gain in-depth knowledge in the field. 93 students attended the webinar. Resource person Mr. Himanshu Gaba (Alumni Batch 2015-2017) working as Advertising Manager in Amazon India, addressed the participants and motivated them to undertake some projects in digital marketing. Initially, the webinar went through the important aspects such as digital marketing fundamentals, why digital marketing is important in current scenario, latest tools used, social media marketing, email marketing etc. And then, the speaker informed the students about the opportunities in the field and how to start from scratch. This webinar had given them a clear understanding of the basics of digital marketing and equipped them with the knowledge how to use technology for marketing the businesses, techniques and the knowledge to develop cohesive market strategies. Digital Marketing is an umbrella term for the marketing of products or services using digital technologies, mainly on the Internet, but also including mobile phones, display advertising.

7. **Teams / Individual participants outside the college:**

8. **Number of participating students and attached list of students in the given format with signature of Convener/ TIC**

Name of Student	Programme of Study	Semester	
Naman sharma	B.Sc.(H) Computer Science	II Year	
Aditya Giri	B.Sc.(H) Computer Science	II Year	
Pulkit Rajput	B.Sc.(H) Computer Science	II Year	
Aakriti Manocha	B.A. (Program)	II Year	
Smiti Sansanwal	B.Sc.(H) Computer Science	II Year	
Mod riean	B.A. (Program)	II Year	
Utkarsh Tripathi	B.Sc.(H) Computer Science	II Year	
Kamal	B.Sc.(H) Computer Science	III Year	
Anukriti Kathane	B.Sc.(H) Computer Science	II Year	
Sahil Wadhwa	B.Sc.(H) Computer Science	II Year	
Nancy	B.A. (Program)	III Year	
Hritesh Prasad	B.A. (Program)	III Year	
Swapnil Sengupta	B.Sc.(H) Computer Science	II Year	
Arpan khandelwa	B.A. (Program)	II Year	

Kiran singh	B.A. (Program)	III Year
Anurag Jugran	B.A. (Program)	II Year
Priyanka	B.A. (Program)	III Year
Aman Gahlawat	B.Sc.(H) Computer Science	II Year
Priyanka	B.A. (Program)	III Year
Mohd riean	B.A. (Program)	II Year
Nishant kumar	B.Sc.(H) Computer Science	II Year
Varun sharma	B.A. (Program)	II Year
Harsh Malviya	B.Sc.(H) Computer Science	II Year
Anuj Gupta	B.A. (Program)	II Year
Tanmay bhardwaj	B.Sc.(H) Computer Science	II Year
Abhimanyu Singh	B.Sc.(H) Computer Science	II Year
Yotish Singh	B.Sc.(H) Computer Science	II Year
Aasif	B.Sc.(H) Computer Science	III Year
Devanshi Pande	B.Sc.(H) Computer Science	III Year
Aarti Nayak	B.A. (Program)	II Year
Kumari chandni	B.Sc.(H) Computer Science	II Year
Gaurish Gulati	B.Sc.(H) Computer Science	II Year
Aashiya Tanwar	B.Sc.(H) Computer Science	II Year
Ayush Kumar	B.Sc.(H) Computer Science	II Year
Anirudh Goel	B.Sc.(H) Computer Science	III Year
Sumit Negi	B.Sc.(H) Computer Science	II Year
Vaishali ahlawat	B.A. (Program)	III Year
KAPIL YADAV	B.A. (Program)	II Year
Sarthak Pradhan	B.Sc.(H) Computer Science	III Year
Abhigyan Mishra	B.Sc.(H) Computer Science	III Year
Sumit	B.Sc.(H) Computer Science	II Year
Pragya awasthi	B.Sc.(H) Computer Science	IV Year
Aniket Nanda	B.Sc.(H) Computer Science	II Year
Anubhav Jain	B.Sc.(H) Computer Science	II Year
Rishabh Jain	B.Sc.(H) Computer Science	III Year
Hitesh Taneja	B.Sc.(H) Computer Science	III Year
Prateek Ranjan Tiwary	B.Sc.(H) Computer Science	II Year
JEEVESH KUMAR HASTORIYA	B.Sc.(H) Computer Science	II Year
SHIVAM YADAV	B.Sc.(H) Computer Science	III Year
Sanjeev Kumar Yadav	B.Sc.(H) Computer Science	III Year
Devi Rani	B.A. (Program)	II Year
Anurag	B.A. (Program)	III Year

Name	Course	Year
Priyanshu Semwal	B.Sc.(H) Computer Science	II Year
Muskan sinha	B.Sc.(H) Computer Science	II Year
Pulkit Rajput	B.Sc.(H) Computer Science	II Year
Vaishnavi Prusty	B.Sc.(H) Computer Science	II Year
Uday Marwah	B.Sc.(H) Computer Science	III Year
RITIK JOSHI	B.Sc.(H) Computer Science	III Year
Vaishali	B.Sc.(H) Computer Science	II Year
Soransh singh	B.Sc.(H) Computer Science	II Year
Shweta	B.A. (Program)	II Year
Ujjawal Shrivastava	B.Sc.(H) Computer Science	II Year
Shivangi garg	B.Sc.(H) Computer Science	III Year
Rishita Parashar	B.A. (Program)	III Year
Yuvraj	B.A. (Program)	II Year
Utkarsh Rawat	B.Sc.(H) Computer Science	II Year
Akshay Kapoor	B.Sc.(H) Computer Science	II Year
Ashutosh Anand	B.Sc.(H) Computer Science	II Year
Akshay	B.A. (Program)	III Year
Diya Pandey	B.Sc.(H) Computer Science	II Year
Suyash Sudhakar	B.Sc.(H) Computer Science	II Year
Akshit kushwaha	B.Sc.(H) Computer Science	II Year
Bhumika Taneja	OTHERS	III Year
Soransh singh	B.Sc.(H) Computer Science	II Year
Arpit pal singh	B.Sc.(H) Computer Science	III Year
Ritik verma	B.Sc.(H) Computer Science	III Year
Devanshi Singh	B.Sc.(H) Computer Science	II Year
Madhav Kumar	B.Sc.(H) Computer Science	II Year
Dinesh Kumar Singh	B.A. (Program)	III Year
Sahil Kumar	B.A. (Program)	III Year
Ayush Gupta	B.Sc.(H) Computer Science	III Year
Shubham tiwari	B.Sc.(H) Computer Science	III Year
Unnati Aggarwal	B.Sc.(H) Computer Science	II Year
Shefali yadav	B.Sc.(H) Computer Science	II Year
Mohak Sharma	B.Sc.(H) Computer Science	II Year
Jai Gupta	B.Sc.(H) Computer Science	III Year
KAPIL YADAV	B.A. (Program)	II Year
Bhavna Bhardwaj	B.A. (Program)	III Year
Neeraj kumar	B.A. (Program)	II Year
Sonia sharma	B.A. (Program)	II Year

Name	Course	Year
Akshita Choudhary	B.Sc.(H) Computer Science	II Year
Arushi	B.Sc.(H) Computer Science	II Year
Prabhat chamoli	B.Sc.(H) Computer Science	II Year
Vivek kumar	B.A. (Program)	III Year
Beena kumari	B.A. (Program)	II Year
Deepak kumar	B.Sc.(H) Computer Science	II Year
Beena kumari	B.A. (Program)	II Year
Megha Garg	B.Sc.(H) Computer Science	II Year
Aastha Sharma	B.Sc.(H) Computer Science	III Year
Ashish Kumar	B.Sc.(H) Computer Science	II Year
Varun Goel	B.Sc.(H) Computer Science	II Year
Anjali Kapoor	B.Sc.(H) Computer Science	II Year
BHOMIC KAUSHIK	B.Sc.(H) Computer Science	III Year
Naman Sharma	B.A. (Program)	II Year
Ashish Tripathi	B.Sc.(H) Computer Science	III Year
Aanand Thakur	B.Sc.(H) Computer Science	II Year
VINAY KUMAR SINGH	B.Sc.(H) Computer Science	II Year
Kanika Singh	B.Sc.(H) Computer Science	III Year
Aman Jain		II Year
Ayush Kumar	B.Sc.(H) Computer Science	III Year
Ayush Kumar		II Year
Ayush Kumar	B.Sc.(H) Computer Science	II Year
Suraj	B.A. (Program)	II Year
YOKESH K S	B.A. (Program)	II Year
Trilokinath Sharma	B.A. (Program)	IV Year
	OTHERS	III Year
	OTHERS	
	B.A. (Program)	

9. **Number of participating faculty members and attached list of faculties in the given format**

Name of faculty member	RLA/ Non- RLA	Department
Dr. Vandana Gandotra	RLA	Computer Science
Dr. Neeraj K Sharma	RLA	Computer Science
Ms. Sakshi Tareesh Khana	RLA	Computer Science
Mr. Arun K Gautam	RLA	Computer Science
Ms. Shikha Verma	RLA	Computer Science
Ms. Manisha Wadhwa	RLA	Computer Science

Ms. Nupur Tyagi	RLA	Computer Science

10. Funding / Sponsorship received (if any): NA

11. Awards given (if any): NA

12. Brief feedback report: To reach the maximum potential of digital marketing, firms use social media as its main tool to create a channel of information. The workshop was divided into theory and practical sessions. It is evident that the world of digital marketing is evolving at an incredible rate and providing many job opportunities in India. Therefore, this webinar was dynamically structured to prepare students comprehensively for having an idea how digital marketing techniques are used by big marketing companies. The session was informative as well as interactive, as reflected from the feedback received from the participants The webinar was beneficial to all the students and faculties who attended. The feedback from the participants reflected that they were satisfied with the content delivered.

13. Representative pictures

RAM LAL ANAND COLLEGE

BENITO JUAREZ MARG NEW DELHI - 110021

UNIVERSITY OF DELHI

DEPARTMENT OF COMPUTER SCIENCE

PRESENTS

WEBINAR

ON

BASICS OF DIGITAL MARKETING

&

HOW TO ENTER INTO DIGITAL MARKETING SPACE

SPEAKER

MR. HIMANSHU GABA
ADVERTISING MANAGER
AMAZON INDIA

CONVENOR

DR. VANDANA GANDOTRA
ASSOCIATE PROFESSOR

DR. NEERAJ KUMAR SHARMA
ASSISTANT PROFESSOR

26TH SEPTEMBER 2020

12:00 - 2:00 PM

REGISTER HERE

COORDINATOR
SAKSHI TAARESH KHANNA
ASSISTANT PROFESSOR

PATRON
DR. RAKESH KUMAR GUPTA
PRINCIPAL

RAM LAL ANAND COLLEGE

BENITO JUAREZ MARG NEW DELHI - 110021

UNIVERSITY OF DELHI

DEPARTMENT OF COMPUTER SCIENCE

CERTIFICATE OF APPRECIATION

This certificate is presented to **Mr. Himanshu Gaba** for sharing his expertise as a speaker in a webinar on **"Basics of Digital Marketing & How to enter into Digital Space"** organized by Department of Computer Science on **26th September 2020**.

Ms. SAKSHI TAARESH KHANNA
Coordinator

DR. VANDANA GANDOTRA
Convenor

DR. NEERAJ KUMAR SHARMA
Convenor

DR. RAKESH KUMAR GUPTA
Principal

Detailed Information about Events:

1.   **Title of the event:** Poster Making Competition on Environmental Awareness

2.   **Date and duration:** 19/09/2020, 09:00 am to 11:59pm

3.   **Venue/online:** Online

4.   **Nature of event: National/ International/ State/ Inter-college/ Intracollege etc.:** Interdepartmental/IntraCollege

5.   **Invited speakers, their affiliation and brief profile of each speaker**: NA

6.   **Brief summary of the event:** The Department of Computer Science organized an interdepartmental Poster Making Competition on 19th September 2020. The registration was open one week before the competition and the participants were asked to join the Google Classroom meant for same. 10 students (online) participated in the event. In addition to the students of Computer Science, students participated from various departments of the college such as B.A. (P), B Com. (H) etc.to name a few. Topic was given as World Forestry Day on the day at 9:00 AM .Posters were to be submitted till EOD. Posters allowed were hand made as well as digital. All the participants came up with wonderful ideas and picturization, and the posters were reflective of this. The participants submitted their posters to the organizers which were screened online by the judges and were evaluated based on various criteria. The total marks of a participant were obtained by adding the marks of all the three judges. Based on the same, three winners were selected.

7.   **Teams / Individual participants outside the college:** NA

8.   **Number of participating students and attached list of students**

9.   **Number of participating faculty members and attached list of faculties in the given format**

10. Funding / Sponsorship received (if any): The event was sponsored by the college. Approved Budget was Rs. 1250 and the Actual Expense was Rs. _1250_____

11. Awards given (if any): 1st Prize worth Rs. _750 ,2nd Prize worth Rs._500, 3rd Prize -Certificate
1st Prize went to Aparna Luthra, B.A Programme, aparnaluthra039@gmail.com

2nd Prize went to Ashish Tripathi, B.Sc (H) CS, ashishtripathi75941@gmail.com

3rd Prize went to Kamal Dobriyal, B.Sc(H) CS, kamaldobriyal19058570062@rla.du.ac.in

12. Brief feedback report: It was a successful event where the purpose of enlightening our youthand an attempt to make them more enthusiastic over the subject of Environmental Awareness was fulfilled in a very interesting way.

13. Representative pictures

WORLD FORESTRY DAY (21st March)

"Forests are the world's Air-Conditioning system, the Lungs of the planet. And we are on the verge of switching it off..."

WANT LIFE?
GIVE FORESTS THEIR SPACE

Detailed Information about Events:

1. **Title of the event: Learnathon**

2. **Date and duration: 04 May 2020 to 30 June 2020**

3. **Venue/online: Online on ICT Website**

4. **Nature of event: National/ International/ State/ Inter-college/ Intracollege etc.:** IntraCollege

5. **Invited speakers, their affiliation and brief profile of each speaker:** NA

6. **Brief summary of the event:** The Department of Computer Science, Ram Lal Anand College organized Learnathon 2020-The Digital Learning Series in collaboration with ICT Academy from 4th May 2020 to 30th June 2020 for the students of all branches.

These were the Courses with Total Hours of e.Learning .

1)   Automation Anywhere- RPA Foundation – 11 Modules-12 Hours
2)   Amazon Internet Services Pvt Ltd-AWS Inventor- 8 Hours
3)   Amazon Internet Services Pvt Ltd -Cloud Computing -101-9 Hours
4)   CISCO-Introduction to Packet Tracer-10 Hours
5)   CISCO-Cybersecurity Essentials-15 Hours
6)   CISCO-Introduction to Internet of Things-20 Hours
7)   CISCO-Entrepreneurship-15 Hours
8)   MatLab-Machine Learning Onramp-02 Hours
9)   Matlab-Deep Learning Onramp-02 Hours
10)   Salesforce-Become Job Ready for Developer - Trailmix 1 -12 Modules-12 Hours
11)   STEP - The Hindu Group-Stepathon - Communication Skills-10 Hours
12)   VMWare-Software-Defined Storage Concepts-9 Hours
VMWare -Network Virtualization Concepts 09 Hours

Online Registration Open-25 April 2020 Online Registration Close-02 May 2020

Self-learning Start Date-04 May 2020 Self-Learning End Date-30-June 2020

7. **Teams / Individual participants outside the college**

8. **Number of participating students and attached list of students in the given format with signature of Convener/ TIC**

Name of student RLA/Non- RLA	Programme of study	Semester

9. **Number of participating faculty members and attached list of faculties in the given format**

Name of faculty member	RLA/ Non- RLA	Department

10. Funding / Sponsorship received (if any)

11. Awards given (if any)

12. Brief feedback report

13. Representative pictures

Detailed Information about Events:

1. **Title of the event:** One Week Online Faculty Development Program on Introduction to machine learning in Research (Concepts & Practical use)

2. **Date and duration:** 10th October 2020- 18th October 2020

3. **Venue/online:**Online

4. **Nature of event: National/ International/ State/ Inter-college/ Intracollege etc.:** National

5. **Invited speakers, their affiliation and brief profile of each speaker:** Dr. Neeraj K Sharma, Associate Professor, RLAC;   Mr. Subodh Kumar, Research Scholar, Delhi University

6. **Brief summary of the event:**

7. **Teams / Individual participants outside the college**

8. **Number of participating students and attached list of students in the given format with signature of Convener/ TIC**

Name of student RLA/Non- RLA	Programme of study	Semester

9. **Number of participating faculty members and attached list of faculties in the given format**

Name of faculty member	RLA/ Non- RLA	Department
A Anitha	Dwaraka Doss Goverdhan Doss Viashnav College, Chennai	PG Department of Comput
A H M Abdul Wasey	Triveni Devi Bhalotia College	Physics
Aakanksha	Shaheed Rajguru College of Applied Sciences for Women, University of Delhi	Computer Science
Abha Jain	Shaheed Rajguru College of Applied Sciences for Women, University of Delhi	Computer Science
Abhijit Ghose	DAV AUTONOMOUS COLLEGE, TITILAGARH (ODISHA)	Deptt.of Computer Science
Abhishek Kulshretha	IIT Kharagpur	Rajendra Mishra School of
Amol Meshram	Sn arts uk commerce college	Library Science
Anil Kumar	Deen Dayal Upadhyaya College	Computer science
Anishya P	UNIVERSITY COLLEGE OF ENGG NAGERCOIL	CSE
Anuja Soni	Deen Dayal Upadhyaya college, university of Delhi	Department of computer sc
Archana Nair S	New Horizon College of Engineering	Computer Science and Eng

Aribam Uttam Sharma	North-Eastern Hill University	Department of Philosophy
Arun Kumar Gautam	Ram Lal Anand College (University of Delhi)	Computer Science
Asha Yadav	Shaheed Rajguru College of Applied sciences for women	Computer Science
Bharat Vitthal Patil	Matoshri BayabaiShripatrao Kadam Kanya Mahavidyalaya, Kadegaon	Management
BINDU E	AMITY SCHOOL OF ENGG & TECH , DELHI	Commerce
Bindu Krishnan	Jain University	ECE
Brave Well Mawthoh	Don Bosco College, Tura	Data Science
Charru Hasti	IIT Delhi	Department of Economics
Daulti Verma	Miranda House	DMS
Debi Prasad Satapathy	Centurion University of Technology and Management, Odisha	Mathematics
Deepali Bajaj	Shaheed Rajguru College of Applied Sciences	School of Management
Deepika Gowlikar	Gyalpozhing College of Information Technology, Royal University of Bhutan	Computer Science
Dinesh Kumar Sharma	Government College, Dhaliara	Computer Science
Disha Garg	Keshav Mahavidyalaya, University of Delhi	History
Dola Devanandam	DHARMA APPA RAO COLLEGE NUZVID-521201	Department of Economics
Farooq Ahmad Ganai	Govt Degree College Sopore	Computer Science
Ganapati Mendali	Anchalik Kishan College, Bheden, Bargarh	MATHEMATICS
Gaurav Tyagi	M M Degree College, Khekra Baghpat	Physics
	PGDAV College	
Geetika Jaggi	BHARATI COLLEGE, DELHI UNIVERSITY, DELHI	HINDI
Hari Kishni	Acharya Narendra Dev College	Department of Zoology (H
Harita Ahuja	Symbiosis Institute of Computer Studies and Research, Symbiosis International (Deemed University)	Economics
Hema Gaikwad	CHRIST(DEEMED TO BE UNIVERSITY)	Mathematics
JULIAN BENADIT P		Commerce

Jyotiranjan Rout	Balasore college of Engineering and Technology	Computer Science
Kamaljeet Kaur Mangat	Punjabi University Regional Center	COMMERCE
Kantesha Sanningammanavara	Government First Grade College, Bettampady	Computer Science
Karun Kumar	V-Mart Retail Limited	Computer Science
Kaushik Das	BIRJHORA MAHAVIDYALAYA	COMPUTER SCIENCE A
Kountay Dwivedi	University of Delhi	Commerce
Kriti Saroha	CDAC, Noida	Computer science and Eng
Kulwinder Kaur	SGTB Khalsa College	Computer Science
Latesh Kanoujia	Maharaja Agrasen College	Management
Madhukar Pandharinath Aghav	NSSRS ARTS COMMERCE COLLEGE, PARLI VAIJNATH	Internal Controls
Maneesha	Maharaja Agrasen College, University of Delhi	PHYSICS
Manisha	ARSD College, South Campus (University of Delhi)	Humanities and social scie
Manisha Wadhwa Arora	Ram Lal Anand College (University of Delhi)	Department of Computer S
MANOJKISHOR PRADHAN	NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA,ODISHA ,INDIA	Education & Training
Mantri Ramdhan Ade	TULJABHAVANI MAHAVIDHAYALAYA TULJAPUR OSMANABAD BAMU AURNGABAD	Chemistry
Meena Mehta	Maharaja Agresen College DU	Economics
Milind Vaijnath Sonkamble	NSSRS ARTS COMMERCE COLLEGE, PARLI VAIJNATH DIST BEED	Computer Science
Misha Bahmani	USLLS, GGSIPU, Delhi	COMMERCE
Mohd Abu Bakr	MANUU Polytechnic Darbhanga	Electronics
Mohd Iqbal Bhat	Government Degree College Pulwama	Computer Science
Mushtaq Ahmad Bhat	Government Sheikh Ul Alam Memorial Degree College Budgam	DEPARTMENT OF PHYS
Nalini Bag	GOVERNMENT WOMENS' COLLEGE, BHAWANIPATNA,KALAHANDI	Computer Science
Neha Singh	Kalindi College	ENGLISH

Name	Institution	Department
Nirjhar Bar	St. James' School, Kolkata, West Bengal	USLLS (Department of La
Nupur Tyagi	Ram Lal Anand College (University of Delhi)	Civil Engineering
Onkar Singh	Shaheed Sukhdev College of Business Studies	Department of computer sc
P. Rengarajan	Poompuhar College (Autonomous)	Mathematics
P.Pavan Kumar	Gyalpozhing College of Information Technology, Royal University of Bhutan.	POLITICAL SCIENCE
Pallabi Mali	Jorhat Kendriya Mahavidyalaya	Computer Science
PALTU MALIK	DEPARTMENT OF PHYSICAL EDUCATION, VISVA-BHARATI UNIVERSITY	Physics
Pankaj Kumar	Gaurs International School,Greater Noida West	Computer Science
Pankaj Verma	DAV College Kanpur, Civil lines Kanpur	Department of Computer S
Partha Pratim Ray	Sikkim University	Commerce
Poonam Sambyal	Government Degree College For Women Kathua	Computer Science
PRASENJIT MITRA MUSTAPHEE	A.S.COLLEGE,DEOGHAR	Education
Prashant Bhadane	SSVPS Arts and Commerce college Dhule	DEPARTMENT OF PHYS
Prathipati Baby Sandhya Sri	K.B.N.COLLEGE VIJAYAWADA	Department of Zoology
Praveen M Bidarakundi	Sri D Devaraj Urs Govt First Grade College Hunsur	Business & Skill Developm
Praveen Pandey	Maharaja Agrasen College	Computer Applications
Preeti Gupta	Maharaja Agrasen College	DEPARTMENT OF ZOO
Preeti NG	BITS PILANI	BACHELOR OF BUSINE
preetimarwaha	Acharya Narendra Dev College	Geography
Prema Borkar	Gokhale Institute of Politics and Economics, Pune	PHYSICS
Rajasundaram P	Vels Institute of Science Technology and Advanced Studies	Chemistry
Rakesh Kumar	Assam university silchar	Electronics
Rampriya Boomi perumal	Thanirabharani engineering college	Computer Science

Ramya D	SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY	Chemistry
Rashmeet Kaur	Keshav Mahavidyalaya, University of Delhi	Computer Science
RAVI N	Government Arts College, C.Mutlur, Chidambaram.	CS and IS
Ravinder Kaur	National Defence Academy	Computer Science
Resmi C Panicker	University College	Agribusiness Economics
Rohit Kapoor	LUCKNOW PUBLIC COLLEGE OF PROFESSIONAL STUDIES	Computer Science
Rudrashis Datta	Pritilata Waddedar Mahavidyalaya	Botany
s Gurbinder Kaur	Guru Teg Bahadur Khalsa College	Computer science
S Syed Mahamood Shazuli hazuli	Government Arts and Science College - Veerapandi (Theni Dt)	electrical and electronics e
Sadashiv Suryawanshi	S.S.V.P.S. Arts and Commerce College Dhule	ELECTRICAL AND ELE
Sahadeb Sukla Das	IIM ROHTAK	Computer Science
Sakeena Shahid	SGTB KHALSA COLLEGE	Computer Science
Sakshi Taaresh Khanna	Ram Lal Anand College (University of Delhi)	Computer Science
Sandesh Kulkarni	M.J.College,Jalgaon	Economics
Sandipan Basu	SINGUR GOVERNMENT COLLEGE	COMPUTER APPLICATI
Sanjeev Kumar	MOTILAL NEHRU COLLEGE, UNIVERSITY OF DELHI	English
Saranya Arunkumar	Samy Project Hub	Department of Computer A
Seema	Shaheed Rajguru College of Applied sciences for women,DU	Geography
Shaheda Akthar	Government College for Women(A), Guntur	FDP
Shaik Mohammad Rafi	GUDLAVALLERU ENGINEERING COLLEGE	COMPUTER SCIENCE
Shailendra Singh Rana	University of Lucknow	COMPUTER SCIENCE
Sheetal Agrawal	VSSUT BURLA	Statistics
Shikha Verma	Ram Lal Anand College (University of Delhi)	COMPUTER SCIENCE

Shimi G	Madras Christian College	PHYSICS
Shipra Gupta	Motilal Nehru College	Management
Shravan kumar meena	Motilal nehru college university of delhi	Computer Science
Shweta Wadhera	Deen Dayal Upadhyaya college	Computer Science
Shyandeep Haldar	Natesan Institute of Cooperative Management Chennai	COMPUTER SCIENCE A
Sindhu M	Sree Keralavarma college, Thrissur	Economics
Sonia Chaudhary	Institute of Home economics	INFORMATION TECHN
Sumit Sahni	Acharya Narendra Dev College, University of Delhi	Computer Science
Sunita Narang	Acharya Narendra Dev College, University of Delhi	BCA
Surajit Sengupta	Bhairab Ganguly College	Mathematics
Sushil Kumar Singh	SGTB Khalsa College	Physics
Suvarna Parab	Chembur Sarvankash Shikshanshastra Mahavidyalaya	Computer Science
Swati Sinha Babu	SIDHO-KANHO-BIRSHA UNIVERSITY	Library
Tarun Kumar Kanade	THE BHOPAL SCHOOL OF SOCIAL SCIENCES BHOPAL	Economics
Thansiama Lawtlai	Lai Autonomous District Council	Business Management
Trasha Gupta	Delhi Technological University	Microbiology
Urmil Bharti	Shaheed Rajguru College of Applied Sciences for Women, University of Delhi	Botany
Urvashi Arora	Rajdhani College (University of Delhi)	Computer Science
Vandana Gupta	Kalindi College	Commerce
Vinay Kumar Nassa	Samalkha Group of Institutions	Mathematics
Visalaxi S	Hindustan Institute of science and Technology	Physics

10. Funding / Sponsorship received (if any)

11. Awards given (if any)

12. Brief feedback report

13. Representative pictures

PANDIT MADAN MOHAN MALVIYA NATIONAL MISSION ONTEACHERS AND TEACHING (PMMMNMTT)

DEPARTMENT OF COMPUTER SCIENCERAM LAL ANAND COLLEGE UNIVERSITY OF DELHI

In collaboration with

TEACHING LEARNING CENTRE (TLC)RAMANUJAN COLLEGE UNIVERSITY OF DELHI

Organized

ONE WEEK ONLINE FACULTY DEVELOPMENT PROGRAMMEON
"INTRODUCTION TO MACHINE LEARNING IN RESEARCH(CONCEPTS & PRACTICAL USE)"

10TH October - 18TH October, 2020

DETAILED REPORT OF THE ONE WEEK FACULTY DEVELOPMENTPROGRAMME

"INTRODUCTION TO MACHINE LEARNING IN RESEARCH(CONCEPTS & PRACTICAL USE)"

<u>CONCEPT NOTE</u>

A five days Faculty development programme on "Introduction to MachineLearning in Research (Concepts Practical Use)" was successfully conducted by the Department of Computer Science Ram Lal Anand College association with Teaching Learning Centre of Ramanujan College from 10th October to 18th October 2020. T FDP programme received an overwhelming response with overall 135 participants from various colleges acro nation.

The FDP aimed to provide opportunities to faculty members and research scholars so as to enrich their teachi skills and research ideas in machine learning and its applications.

<u>OBJECTIVES</u>

❖ The objective of the FDP is to introduce fundamentals of machinelearning with real-time applications.

❖ Also to enrich the knowledge and research competencies in the field ofmachine learning of all participants.

❖ To improve the teaching learning process and benefits the society.

❖ The faculties and research aspirants gain awareness about the fundamental concepts of Mach Learning. and apply the same in practice or as a foundation to a deeper study in this area.

PROGRAMME SCHEDULE OF INAUGURAL SESSION

October 10, 2020

2:30 - 2:35 P.M. **Introduction to Faculty Development Programme**

Welcome of Principal Ram Lal Anand College

2:35 - 2:45 P.M. **Address by Dr. Rakesh Kumar Gupta**

Principal, Ram Lal Anand College, University ofDelhi

2:45 – 2:50 P.M. **Welcome of Principal Ramanujan College**

2:50 - 3:00 P.M. **Address by Dr. S. P. Aggarwal**

Principal, Ramanujan College, University of Delhi

3:00 - 3:05 P.M. **Introduction & welcome of the Chief Guest**

Professor Naveen Kumar
Department of Computer Science, North Campus

3:05 - 3:15 P.M. **Keynote Address by the Chief Guest**

3:15 - 6:00 P.M. **Session 1**

INAUGURAL SESSION

Chief Guest

Professor Naveen Kumar Department of Computer ScienceUniversity of Delhi

Professor Rakesh Kumar GuptaPrincipal

Ram Lal Anand CollegeUniversity of Delhi

Professor S.P. AggarwalPrincipal

Ramanujan CollegeUniversity of Delhi

DAY-1 (10th October 2020)

The FDP on Introduction to Machine Learning in Research (Concepts and Practical Use) began on 10th October 2020 with an inauguration at 2:30 p.m., where the opening remarks and introduction of FDP was presented by Ms. Sakshi Taaresh Khanna, Assistant Professor, Dept. of Computer Science and Ms. Nidhi Mathur, FDP coordinator Ramanujan College. Later Dr. Rakesh Kumar Gupta, Principal Ram Lal Anand College addressed the participants explaining the importance and relevance of the topic in today's scenario. Dr. S.P. Aggarwal, Principal Ramanujan College reminded the participants how important for a teacher to keep abreast with the latest technologies and he briefed about the ongoing convergence of the technology that are poised to transform into Industry 4.0 and what is their impact on different verticals of industry. Later Professor Naveen Kumar, Department of Computer Science, University of Delhi or Chief Guest of the day briefed about machine learning and its growing importance in our life. Professor Naveen Kumar explained the application of machine learning in the field of medical sciences. With his interesting and inspiring speech the inauguration came to an end. Post inauguration our first session of FDP began, where Dr. Neeraj Kumar Sharma our first speaker of the day introduced the topic machine learning to the participants. He also discussed the latest trends which are observed in various researches and the perception of the same, later he explained the concept of linear algebra. In his lecture he also discussed the relevant algorithm like supervised, unsupervised with algorithm implementation using Python.

Later in the second session of the FDP, Mr. Subodh Kumar, research Scholar, University of Delhi our second speaker of the day, motivated the participants to learn the concepts of Machine learning through hands experience. He demonstrated the step by step installation of Anaconda software and also an alternative Google collaboration.

DAY-2 (11th October 2020)

In the FDP on Introduction to Machine Learning in Research (Concepts and Practical Use) Dr. Neeraj Kumar Sharma covered overview of Machine Learning and Linear Regression. He explained that machine learning can be broadly defined computational methods using experience to improve performance or to make accurate predictions, where experience refers to the past information available. Machine Learning is used to predict, categorize, classify, finding polarity from the given datasets and concerned with minimizing the errors. ML uses training data for AI

Later in the second session Mr. Subodh Kumar gave a brief introduction of Python, NumPy, and Pandas. The participants got an exposure to how to start using these libraries and hands-on experience to learn how to create arrays, list, dictionary, dataframe; how to use slicing, indexing, iterating, linear algebra, how to load datasets in memory from different file formats, etc.

DAY-3 (12th October 2020)

First Session on Day 3 was handled by Dr. Neeraj Kumar Sharma. He explained Gradient Descent as a first-order iterative optimization algorithm for finding the minimum of a function. To find a local minimum of a function using gradient descent, one takes steps proportional to the negative of the gradient of the function at the current point. He also explained how gradient descent can be used as an optimization algorithm to minimize some function by iteratively moving in the direction of steepest descent as defined by the negative of the gradient. This can be used to update the parameters of any model. The session was highly appreciated by all the participants.

The next session was undertaken by Mr. Subodh Kumar, in which he explained the data preprocessing steps by simple example. He discussed various techniques for data-preprocessing like feature scaling, detecting and removing outliers, handling missing values, etc. After that he explained data visualization which is an important and integral part of any kind of research.

DAY-4 (14th October 2020)

On the fourth day of FDP, Professor Naveen Kumar from Department of Computer Science North Campus, University of Delhi was the resource person. His topic for the day was "Machine Learning Practical Guidelines". He began the session by giving the insights on some good courses available online and some famous author's works and e-books available. He emphasized and explained how in machine learning and statistics, classification a supervised learning approach in which system learns from is given input data and then how this learning is used to classify new observations. This data set may be bi-class (like identifying the image as cat or non-cat) or it may be multi-class. He talked about when we feed the machine with more data, which enables the algorithms that cause it to learn, you can easily improve on the delivered results. Professor Naveen also explained how the bias and variance provide the tools to understand the behavior of machine learning algorithms in the pursuit of predictive performance. Also showcased the examples where machine learning algorithms surpass human level performance – predicting movie ratings, how long will it take to drive somewhere and whether to approve a loan application etc. The session winded up with vote of thanks for the special session to the resource person Prof. Naveen Kumar.

DAY-5 (16th October 2020)

Participants were given time to prepare for the assignment.

DAY-6 (17th October 2020)

Dr. Neeraj Kumar Sharma took the first session of Day 6. He explained how to formulate the hypothesis and cost function of multi-variate linear regression. He discussed choice of learning rate and gradient descent in practice. He also explained polynomial regression which can be used to fit non-linear functions, overfitting, ways of handling overfitting, and normal equation which is an analytical method of solving linear regression. Later, he explained when to gradient descent or normal equation for implementation.

In the later session, Mr. Subodh Kumar gave a hands-on example of how to use linear regression for predicting the sales of a product. For this purpose, he used the advertising dataset. This dataset is about the amount spent on advertising by a company through various platforms like TV, Radio and Newspaper. He first discussed how to create a linear model using one feature, then demonstrated how to create a multi-variate linear regression model using more than one features. He used the learnt model to predict the sales of the product.

DAY-7 (18th October 2020)

DAY-7 (18th October 2020)

First session of day seven was handled by Dr. Neeraj Kumar Sharma. He began the session by giving an introduction of logistic regression and how it is different from linear regression. He then discussed why the sum of squared error cannot be used as cost function, how to formulate a convex cost function for logistic regression i.e. log-loss function, gradient descent for minimizing this cost function. After that, he discussed how logistic regression can be used for multi-class classification using the one-vs-all approach. At last, he discussed the future scope of study and what are other popular ML algorithms that can be used for regression, classification and clustering.

Mr. Subodh Kumar took the second session of this day. He demonstration how to use logistic regression for binary and multi-class classification using the Iris dataset. He used the petal length and petal width features to classify the flowers into Setosa, Virginica, and Versicolor class. He also demonstrated how to perform data preprocessing and which metrics to consider for performance evaluation and how to plot decision regions.

Detailed Information about Events:

1.   **Title of the event:** Creative Writing Competition on Gender Sensitization

2. **Date and duration:** 24/10/2020

3. **Venue/online:** Online

4. **Nature of event: National/ International/ State/ Inter-college/ Intracollege etc.:** Inter College/ University

5. **Invited speakers, their affiliation and brief profile of each speaker**

6. **Brief summary of the event:** The Department of Computer Science organized a one day Creative Writing Competition onGender Sensitization on 24th October, 2020 online on google meet and google classroom.

The participation was from various colleges of Delhi University.There were 2 topics given by the judges :-

1)   Is Pink only a color?

2)   Is Language Gender Biased?

A total of 38 students participated and submitted their articles on Google classroom which werejudges by our esteemed judges:-

1)   Dr. Shruti Anand (Convener from ASMI- The Gender Sensitization Society of RLAC)
2)   Dr. Ritambhara Mishra (Convener, Creative Writing Society)
3)   Dr. Vandana Gandotra (HOD, Department of Computer Science)

7. **Teams / Individual participants outside the college**

8. **Number of participating students and attached list of students in the given format with signature of Convener/ TIC**

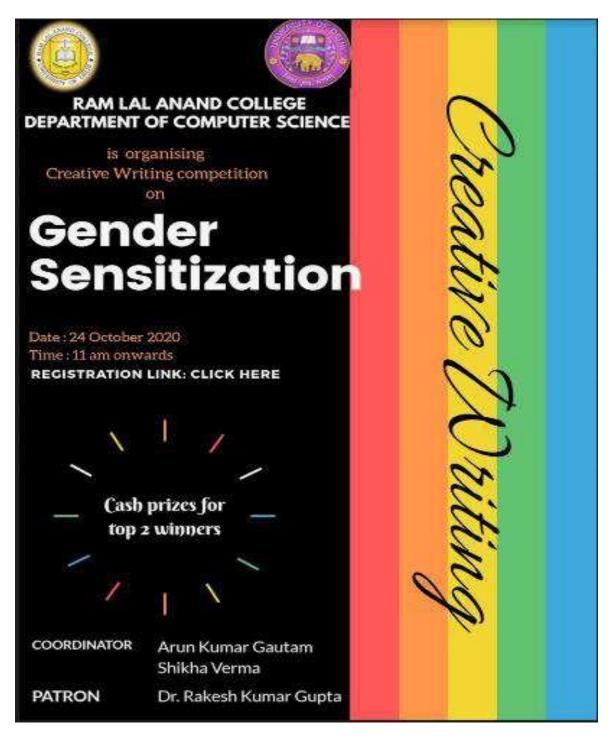| Name of student RLA/Non- RLA	Programme of study	Semester

9. **Number of participating faculty members and attached list of faculties in the given format**

Name of faculty member	RLA/ Non- RLA	Department
Dr. Vandana Gandotra	RLA	Computer Science
Dr. Neeraj K Sharma	RLA	Computer Science
Ms. Sakshi Tareesh Khana	RLA	Computer Science
Mr. Arun K Gautam	RLA	Computer Science
Ms. Shikha Verma	RLA	Computer Science
Ms. Manisha Wadhwa	RLA	Computer Science
Ms. Nupur Tyagi	RLA	Computer Science

10. **Funding / Sponsorship received (if any)**

11. Awards given (if any)

12. Brief feedback report

13. Representative pictures

Detailed Information about Events:

1. **Title of the event: :** Certificate Course on Vector Design and Animation

2. **Date and duration:** 20/06/2020 to 20/07/2020(1 month)

3. **Venue/online:** Online on Google meet

4. **Nature of event: National/ International/ State/ Inter-college/ Intracollege etc. :** Inter College/ University

5. **Invited speakers, their affiliation and brief profile of each speaker**

6. **Brief summary of the event** :The Department of Computer Science organized a one month Certificate Course on Vector Design and Animation from 20th June, 2020 to 20th July , 2020 online on Google meet.

The participation was from various colleges and universities and the course consisted of a well-structured division of topics into 3 different softwares Photoshop Illustrator and Animation divided among 20 classes including the installation and setup to doubt session from our esteem trainers.

7. **Teams / Individual participants outside the college**

8. **Number of participating students and attached list of students in the given format with signature of Convener/ TIC**

Name of student	Programme of study	Semester
Aarti Nayak	Ram Lal Anand College	B.A(Programme)
Aasif	Ram Lal Anand College	B.Sc.(Hons.) Computer Science
Aastha Sharma	Ram Lal Anand College	B.Sc.(Hons.) Computer Science
Abdus Samad	Ram Lal Anand College	BJMC
Akanksha goel	Keshav mahavidhayalaya	B.Sc.(Hons.) Computer Science
Anand Kumar	Ram Lal Anand College	B.Sc.(Hons.) Computer Science
ANIKET KUMAR	Delhi school of journalism	BJMC
Anjali	Ram Lal Anand College	BJMC
Anshika arora	College of vocational studies	Human resource management
Anushka Arora	Ram Lal Anand College	B.Sc(Hons)Statistics
Archit Shrotriya	Jaypee Institute of Information technology	BTech
Arpit goel	Deshbandhu college	BCOM(H)
Arpit pal singh	Ram Lal Anand College	B.Sc.(Hons.) Computer Science
ASHUTOSH ANAND	Ram Lal Anand College	B.Sc.(Hons.) Computer Science
Bhomic kaushik	Ram Lal Anand College	B.Sc.(Hons.) Computer Science
Chinmay Chahar	Indraprastha College For Women	B.Sc.(Hons.) Computer Science

Chitresh kumar	Shivaji college	Bsc. Physical science with computer science
Gagandeep Singh Wadhwa	ADGITM	BTech
Garima	Kalindi college/Delhi University	B.Sc.(Hons.) Computer Science
Geetu	Ram Lal Anand College	BJMC
Hansika	Shyama Prasad Mukherji College	B.Sc.(Hons.) Computer Science
Harmeet Singh Wadhwa	Ram Lal Anand College	BSc(Hons.) Microbiology
Harsh Malviya	Ram Lal Anand College	B.Sc.(Hons.) Computer Science
Jayant Kumar	Shivaji College	B.A(H) Geography
Jennis Jacob	Ram Lal Anand College	B.A(Hons.) English
Kajal	Ram Lal Anand College	BJMC
Keshav kumar jha	Ram Lal Anand College	BJMC
Khushboo	Hansraj,Du	B.Sc.(Hons.) Computer Science
Komal Yadav	Indraprastha College for Women	B.Sc.(Hons.) Computer Science
Kritika Tripathi	Indraprastha College for Women	B.Sc.(Hons.) Computer Science
Lisha maurya	Ram Lal Anand College	BJMC
Lorika Kapoor	Kirori Mal College	B.Sc(Hons)Statistics
MANSHI BISHT	Ram Lal Anand College	BJMC
Mohammed Fardeen Husain Shahanshah	Ram Lal Anand College	BSc(Hons.) Microbiology
Neeraj sonwal	AIILSG	Sanitary inspector
Neha Kunte	Shyama Prasad Mukherji College	B.Sc.(Hons.) Computer Science
Pinky	Indraprastha College for Women	B.Sc.(Hons.) Computer Science
Pooja Aggarwal	Ram Lal Anand College	BJMC
Priya Maan	Indraprastha college for women	B.Sc.(Hons.) Computer Science
Priyal Sharma	Banasthali Vidyapith	BTech
Reena Yadav	Shyama Prasad Mukherji College	B.Sc.(Hons.) Computer Science
Rimisha rauniyar	Shyama Prasad Mukherji College	B.Sc.(Hons.) Computer Science
Rishabh Pandey	Ram Lal Anand College	BJMC
Sahil	School of Open Learning Delhi University	B.A (Hons) Political Science
Saurabh Grover	Sri Guru Gobind Singh College of Commerce	B.Sc.(Hons.) Computer Science

Shilpi kumari	Ram Lal Anand College	BJMC
Shokeen saifi	Govt. P.G. college Noida	B.Com
Shreya Arora	Shyama Prasad Mukherji College	B.Com
Srinidhi KM	Shyama Prasad Mukherji College	B.Sc.(Hons.) Computer Science
Vaishnavi Prusty	Ram Lal Anand College	B.Sc.(Hons.) Computer Science
Vanmit Kaur Kataria	S.G.T.B Khalsa	B.Sc.(Hons.) Computer Science
VARUN GOEL	Ram Lal Anand College	B.Sc.(Hons.) Computer Science
Vinamra Ranjan	Ram Lal Anand College	B.A(Hons.) English
Vivek Gupta	Aryabhatta College	B.Sc.(Hons.) Computer Science

9. **Number of participating faculty members and attached list of faculties in the given format**

Name of faculty member	**RLA/ Non- RLA**	**Department**

10. Funding / Sponsorship received (if any)

11. Awards given (if any)

12. Brief feedback report : A total of 54 certified students were assessed through 15 assignments and quizzes. The participants varied from a number of courses ranging from B.Sc.(Hons.) Computer Science (25),BJMC - (11), BSc(Hons.) Microbiology-(2), B.Sc(Hons)Statistics- (2), BTech-(3), B.A (Hons) Political Sc(1), B.A(H) Geography- (1) B.A(Hons.) English(2), B.A(Programme)(1), B.Com-(2), B.Com(1), Bsc. Physical science with computer science –(1) , Human resource management-(1) and other. The count ranged from 25 in house RLA students while 29 students were from other Colleges/University

13. Representative pictures

VECTOR DESIGNING AND ANIMATION COURSE
SCHEDULE

MODULE	DATE	TIME
Photoshop		
Module 1	20th June, Saturday	4PM - 6PM
Module 2	21st June, Sunday	4PM - 6PM
Module 3	23rd June, Tuesday	4PM - 6PM
Module 4	25th June, Thursday	4PM - 6PM
Module 5	27th June , Saturday	4PM - 6PM
Illustrator		
Module 6	30th June, Tuesday	4PM - 6PM
Module 7	2nd July, Thursday	4PM - 6PM
Module 8	5th July, Sunday	4PM - 6PM
Module 9	7th July, Tuesday	4PM - 6PM
Module 10	9th July, Thursday	4PM - 6PM
Animate		
Module 11	12th July, Sunday	4PM - 6PM
Module 12	14th July, Tuesday	4PM - 6PM
Module 13	16h July, Thursday	4PM - 6PM
Module 14	18th July, Saturday	4PM - 6PM
Module 15	20th July, Monday	5PM - 7PM

ABOUT THE RESOURCE PERSON- RISHAB JAIN

- Well-Versed with the Software like:-
  - Coral Draw,
  - Adobe Photoshop
  - Adobe Illustrator
  - Adobe XD
  - Adobe Animate
  - Adobe Premier
- Certified Professional Desk Top Publisher
- Completed the Diploma in Advanced Multimedia

ABOUT THE RESOURCE PERSON- TARUN KUMAR

- Well-Versed with the Software like:-
- Windows
  - Adobe Photoshop
  - Adobe Illustrator
  - Blender
  - Adobe Animate
  - Adobe Premier

- Linux
  - Inkscape
  - Blender

Detailed Information about Events:

1. **Title of the event:** Certificate Course on Modern Web Development Tools

2. **Date and duration:** 15th August 2020 to 7th October 2020, 30 hours

3. **Venue/online:** Virtual/ Online Mode via YouTube

4. **Nature of event: National/ International/ State/ Inter-college/ Intracollege etc.**

5. **Invited speakers, their affiliation and brief profile of each speaker:** Ms. Sakshi Taaresh Khanna (Assistant Professor Dept. of ComputerScience Ram Lal Anand College) & Mr. Anirudh Goel (Student, B.Sc. (H) Computer Science III Year)

6. **Brief summary of the event**: Having a strong online presence has become essential for every business house. Good website improves the online presence and with constant rise in competition, it becomes more important to understand the design of website with latest tools. This 30 hours certificate course in Modern Web Development Tools was designed to keep abreast with the latest technologies that are relevant in current scenarios. The course started on 15th August and ended on 7th October 2020. The course had Ms. Sakshi Taaresh Khanna (Asst. Professor, Dept. of Computer Science) and Mr. Anirudh Goel (Student, B.Sc.(H) Computer Science III year) as speakers and got an overwhelming response from 400 participants from diverse fields across all over India. Participants were from reputed institutions like University of Delhi, Delhi Technical University, Guru Gobind Singh Indraprastha University, Punjab Technical University, Chandigarh University, Anna University, SRCC, Amity University, Graphic Era Hill University, Chitkara University, Graphic Era University, Invertis University, Bharathiyar University, HNBGU, Biju Patnayak University of Technology etc. The course covered the following topics: HTML, CSS, JavaScript, JQuery, NODEJS, EXPRESS, REACTJS, ELECRONJS, and SQL. In this course the students were introduced to topics in Web Technology. Students got an idea how to create web pages. The course helped them to have hands-on experience about how actual website designing, development and hosting takes place.

7. **Teams / Individual participants outside the college: Yes**

8. **Number of participating students and attached list of students in the given format with signature of Convener/ TIC**

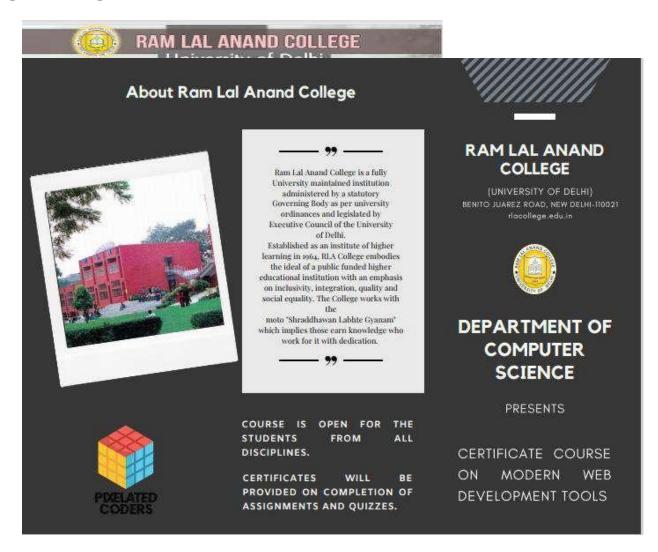| Name of student RLA/Non- RLA	Programme of study	Semester

9. **Number of participating faculty members and attached list of faculties in the given format**

Name of faculty member	RLA/ Non- RLA	Department

10. Funding / Sponsorship received (if any)

11. Awards given (if any)

12. Brief feedback report : All the students really appreciated the contents that were discussed in all the sessions, they realized that interactions likes these can help them improve their learning. Students showed keen interest in attending more workshops/ courses like this in future. Total of 115 students completed the course with the submission of all projects and assignments and got the certificate of competition. Out of which 64 were males and 52 were females.

13. Representative pictures

COURSE DETAILS:

DURATION
1.5 MONTH (15 AUG TO 30 SEPT) - 30 HOURS

PLATFORM
YOUTUBE LIVE

REQUIREMENTS
INTERNET CONNECTION AND A COMPUTER

TOTAL - 5 PROJECTS

TECHNOLOGIES COVERED:
HTML, CSS, JS, JQUERY, NODEJS, EXPRESS, REACTJS, ELECTRONJS, SQL

FEES- NIL

CLICK HERE TO REGISTER

RESOURCE PERSON
Sakshi Taaresh Khanna
Email:
sakshisahni.du@gmail.com

Anirudh Goel
Mobile : 9068194171

CONTACT DETAILS
Dr. Neeraj Kumar Sharma (Convener)
Assistant Professor
Mobile: 9811638906

Dr. Vandana Gandotra (Convener)
Associate Professor
Mobile: 9818288842

Sakshi Taaresh Khanna (Course Co-ordinator)
Assistant Professor
Mobile: 9953245840

MEMBERS
1- Shikha Verma (9910085505)
2-Nupur Tyagi (9958653777)
3-Arun Kumar Gautam (9910712005)
4-Manisha Wadhwa Arora (9582332066)

COURSE OUTLINE

COURSE IS DIVIDED INTO 4 MAJOR MODULES.

MODULE - 1
HTML; CSS; JAVASCRIPT: BASIC TO INTERMEDIATE; JS IN BROWSER; JQUERY BASICS; GOOGLE MAPS AND FONTS;

MODULE - 2
NODEJS; JS ADVANCE; NPM; IMAGE PROCESSING; EXPRESS; RESTFUL APIS; MVC; SQL;

MODULE - 3
JSX INTRO; REACTJS: BASIC TO ADVANCE; REACT-ROUTING;

MODULE - 4
ELECTRONJS; CONVERTING WEB APPS TO DESKTOP APPS; PACKING DESKTOP APPS; TIEING IT ALL TOGETHER;

AFTER THIS COURSE YOU'LL BE CAPABLE TO MAKE WEB APPS LIKE TWITTER AND FULL-STACK WEBSITES.

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docs.google.com/forms/d/1fAMFDxoqrnkdd8gdzDsLlZ896cddbwlcTRQcCU1vXz0/edit

CERTIFICATE COURSE-II   All changes saved in Drive

Send

Questions   Responses 400

CERTIFICATE COURSE ON MODERN WEB DEVELOPMENT TOOLS
Duration : 1.5 month

Full Name *
Short answer text

Modern Web Development Lecture-1

101 watching now • Started streaming 23 minutes ago

```
for(var i = 1 ; i < 6 ; i = i + 1){
    console.log("Hello world")
}
```

TERMINAL
Hello world
Hello world

Dell@DESKTOP-AL7R3N1 MINGW64 ~/Desktop/class-2
$

Top chat ▾

Jessica Gulati no pb sir
Computer Solution is there the concept of newline character (endl) ??
Deepanshu Kataria 1=6 krte hai to sir?
Yogesh kumar Saini yes sir
Pradeep yadav coding maximum c++ jaisi hai
Palak Gambhir all clear sir
aman duneja [message retracted]
Jessica Gulati loop will not run
Computer Solution Okay Sir
Alok Pratap sir don't we need any driver function like main() in C++ ?,
Deepanshu Kataria okay aman brother.
Yogesh kumar Saini sir fir ab undefine Ku nahi likha aaya

ANJALI KAPOOR
Say something...

Modern Web Development Lecture-2

70 watching now • Started streaming 22 minutes ago

```
var s1 = "abc"

console.log(s1)

s1 = "Hello"
```

TERMINAL
$ node s.js
abcHiBye

Dell@DESKTOP-AL7R3N1 MINGW64 ~/Desktop/class-3
$ node s.js
abcHiBye

Dell@DESKTOP-AL7R3N1 MINGW64 ~/Desktop/class-3
$ node s.js
abc
Hello

Dell@DESKTOP-AL7R3N1 MINGW64 ~/Desktop/class-3
$

Top chat ▾

Harshit Ahuja Can we change content of String s1
Khushboo sharma can we concatenate the variables using ,
Sakshi Taaresh Khanna screen is visible
Harshit Ahuja Yes sir its ohk
Harshit Ahuja clear
Sakshi Taaresh Khanna please check your settings
aman duneja sir ek string ko rewrite kr sakte hai like ek baar ek value save krti fir usi variable ki stored value ko next line me update kr diya
Akhil Ra gottem
pratyush sharma She's asking about comma (,)
aman duneja ex- S1= abc S2= hi! S1= S1+s2
Ikjot Singh can yu teach us program like duplicate elements in string,removing etc etc

ANJALI KAPOOR
Say something...

Detailed Information about Events:

1. Title of the event: Certificate Course on Full Stack Web Development andHosting

2. Date and duration: 30 hours , 3 Hours, Every Saturday from 23rd Jan 2021 - 27th March 2021

3. Venue/online: Online on Google Meet

4. Nature of event: National/ International/ State/ Inter-college/ Intracollege etc.: Intra-College

5. Invited speakers, their affiliation and brief profile of each speaker: Ms. ManishaWadhwa Arora, Nupur Tyagi

6. Brief summary of the event :The students of Ram Lal Anand College from various disciplines participatedenthusiastically in the certificate course and learnt new things with keen interest with which they can also build their career in Web Development.The course was very fruitful which gave deep insights on the various techniques used in web development and the best practices used while developing efficient web pages and kept the students engaged throughout theCertificate Course with fun class activities, quizziz, doubt sessions and Project presentation sessions.The certificate course was ended with the praises of the hard work of the students in creating the final project followed by certificate announcement according to the performance of the student's throughout the entire course.

7. Teams / Individual participants outside the college:NA

8. Number of participating students and attached list of students in the given format with signature of Convener/ TIC

Name of student RLA/Non- RLA	Programme of study	Semester

9. Number of participating faculty members and attached list of faculties in the given format

Name of faculty member	RLA/ Non- RLA	Department

10. Funding / Sponsorship received (if any)

11. Awards given (if any)

12. Brief feedback report

13. Representative pictures

Detailed Information about Events:

1. Title of the event: Virtual Seminar on Quantum Machine Learning

2. Date and duration: 15-02-2021, 10:00a.m. To 12:00 p.m.

3. Venue/online: Online Microsoft Teams

4. Nature of event: National/ International/ State/ Inter-college/ Intracollege etc.: National

5. Invited speakers, their affiliation and brief profile of each speaker: Mr. Ram Kumar Balasubramanian (Cloud Architect CMS IT Services)

6. Brief summary of the event: The Department of Computer Science organized a virtual seminar as part of Technology Conclave Series on Quantum Machine Learning on 15-02-2021, from 10:00 A.M. to 12:00 P.M. virtually via Microsoft Teams. This Webinar was specially meant for all the students interested in Quantum Machine Learning. This was organized with a view to make the students gain the knowledge about basics of quantum, which is now-a-days very hot topic and how Machine Learning is used in Quantum computing.

79 students attended the seminar out of which 65 were males and 14 females. Students from different colleges like Shayama Prasad Mukherjee college, Aryabhatta College and Ram Lal Anand College attended the seminar. Resource person Mr. Ram Kumar Balasubramanian (Cloud Architect CMS IT Services), addressed the participants and motivated them to study more about Quantum Machine Learning. The webinar was properly structured in which first session was based on the basics of Quantum computing and how machine learning can be used in the field of Quantum followed by question answer session. The session was informative as well as interactive, as reflected from the feedback received from the participants. The Seminar was beneficial to all.

7. Teams / Individual participants outside the college

8. Number of participating students and attached list of students in the given format with signature of Convener/ TIC

Name of student RLA/Non- RLA	Programme of study	Semester

9. Number of participating faculty members and attached list of faculties in the given format

10. Funding / Sponsorship received (if any)

11. Awards given (if any)

12. Brief feedback report

13. Representative pictures

RAM LAL ANAND COLLEGE

DBT STAR COLLEGE
UNIVERSITY OF DELHI

DEPARTMENT OF COMPUTER SCIENCE

IN ASSOCIATION WITH

ICT ACADEMY

PRESENTS

NATIONAL SEMINAR ON

TECHNOLOGY

CONCLAVE SERIES

15 FEB - 19 FEB 2021 10:00 AM TO 12:00 PM

SPEAKER

NEURO-QUANTUM AI

MYTHILI KRISHNAN

VICE PRESIDENT - ANALYTICS
DATA SCIENCE AI ADVISORY
ACCENTURE

18 FEB 2021
10:00 AM TO 12:00 PM

DR. VANDANA GANDOTRA	DR. NEERAJ KUMAR SHARMA	SAKSHI TAARESH KHANNA	DR. RAKESH KUMAR GUPTA
CONVENOR	CONVENOR	COORDINATOR	PRINCIPAL

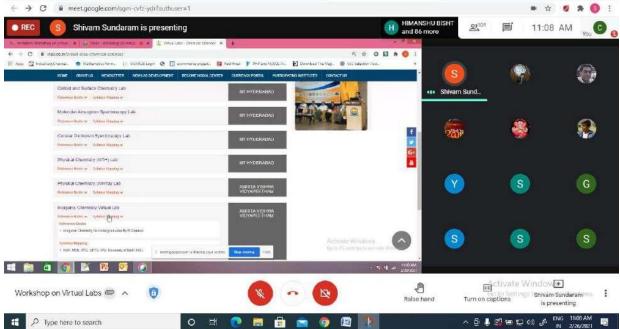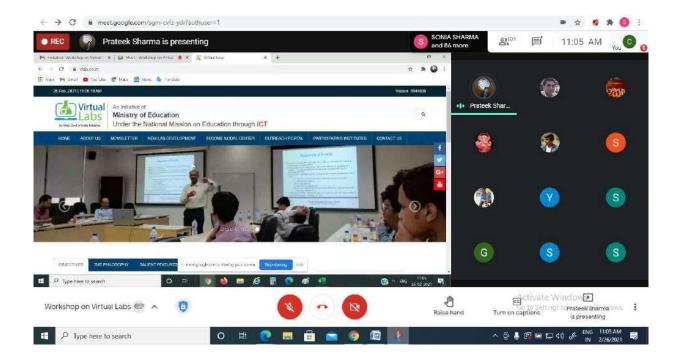**Detailed Information about Events:**

1. Title of the event: Aptitude Test Series

2. Date and duration: 30-09-2020, 1 hour and 30-10-2020, 1 hour

3. Venue/online: Online via Google form

4. Nature of event: National/ International/ State/ Inter-college/ Intracollege etc.
Departmental level

5. Invited speakers, their affiliation and brief profile of each speaker: NA

6. Brief summary of the event: The Department of Computer Science conducted Aptitude Test Series on 30-09-2020 and 30-10- 2020 from 5:00 P.M. to 6:00 P.M via Google Form. Good aptitude skills happen to be of utmost importance in today's times. Almost all the companies assess the aptitude quotient of the candidates during the campus placements. This is the first step of the screening process for most of the jobs. Candidates with a high aptitude quotient have an edge over the others. To help students get at the top of the competition, Department of Computer Science came up with the Aptitude Mock Tests

7. Teams / Individual participants outside the college

8. Number of participating students and attached list of students in the given format with signature of Convener/ TIC

Name of student RLA/Non- RLA	Programme of study	Semester

9. Number of participating faculty members and attached list of faculties in the given format

Name of faculty member	RLA/ Non- RLA	Department

10. Funding / Sponsorship received (if any)

11. Awards given (if any)

12. Brief feedback report

13. Representative pictures