

A Glimpse to the World of Programming

Student Initiative Program On 'A Glimpse to the World of Programming'

The Department of Mathematics, Janki Devi Memorial College, University of Delhi initiated a **student-led free-of-cost program** on 'A Glimpse to the World of Programming', which was also the first such student-led program of the college. The Add-on course was started for all those students of Janki Devi Memorial College, who are willing to learn different programming languages/software like R, Mathematica, MS Office, Latex and HTML. It was a **30-hour, 20-day program** from **September 4, 2021 to September 23, 2021** conducted on Google Meet. The program was managed smoothly by the teacher and student coordinators. **Teacher mentors were: Dr. Tanu Gupta and Mr. Vikas Jorwal. Student coordinators of the program were: Ms. Navya Lohia and Ms. Navya**, both of whom are 3rd year students of Department of Mathematics, Janki Devi Memorial College.

Objective of the program was to give the participants a glimpse of the software: R, Mathematica, MS Office, Latex, and HTML which are used in solving problems at Undergraduate, Postgraduate levels and also for Research and Development.

The inauguration of the Add-on course started with the address of Principal of Janki Devi Memorial College, Prof. Swati Pal who congratulated the department for the initiative and encouraged the student teachers to conduct the program with high spirits. It was followed by Dr. Sharda Sharma Gautam, Teacher in-charge, Department of Mathematics who also highlighted the importance of these programming languages/ softwares in today's digitalized era.

The resource people of the program were the second and third-year students of Mathematics Department of Janki Devi Memorial College. Each lecture was of duration between 1 and half to 2 hours which covered the basic theory along with practicals of the programming languages/software starting with R, followed by Mathematica, HTML, LaTeX and MS Office. The course was concluded by an Assessment Test and a closing ceremony, both of which were held on September 27, 2021.

The Add-on Course received an astounding response with a total of around 60 registrations with a daily attendance of around 20-30 participants. The whole program was extremely interactive, based on feedback sought after every lecture. In the closing ceremony, Prof Swati Pal, Principal of Janki Devi Memorial College highlighted how the efforts put in the program by the students of Mathematics Department would make the students more resilient in facing issues and resolving them. She also congratulated the Department of Mathematics for the success of the student-led program. Later, some of the participants of the program also shared their experiences appreciating the light and interactive atmosphere in all the lectures, since teachers and students of the concerned program belonged to the similar age group.

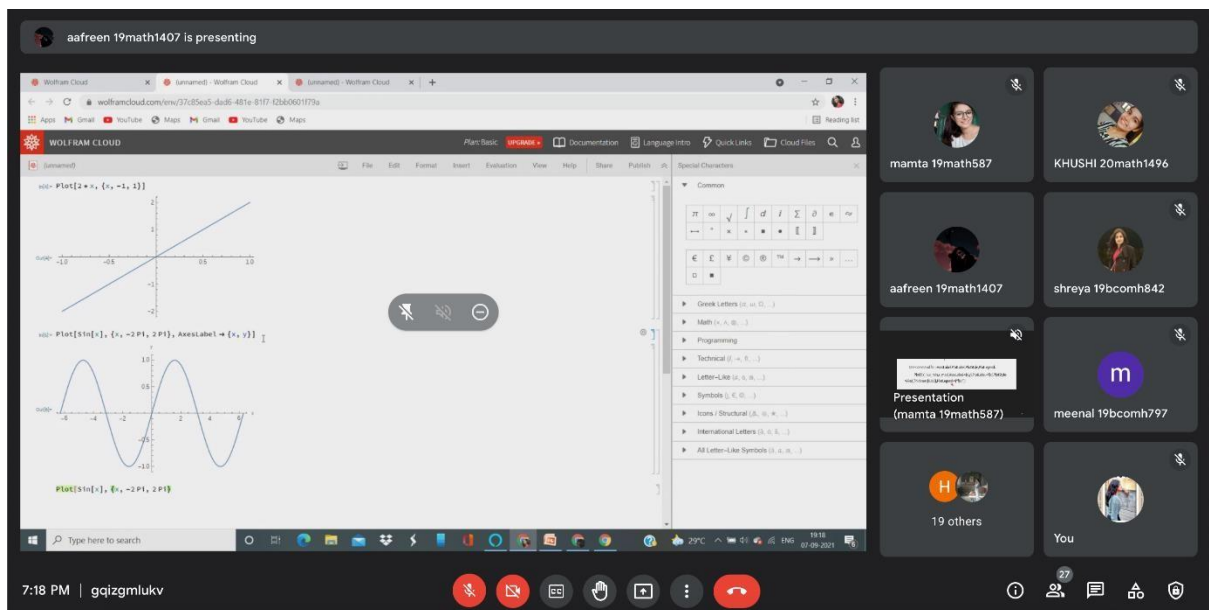
Feedback, using Google form was also sought daily after every session and final feedback was also taken at the end of the whole course, during the closing ceremony. The analysis of the responses from the participants revealed that **approximately 90% of the participants rated**

this add-on course in the higher category in the overall rating and many of them expressed their willingness to attend such courses in future.

Brochure of Add-On Course on 'A Glimpse to the World of Programming'

	JANKI DEVI MEMORIAL COLLEGE (UNIVERSITY OF DELHI) DEPARTMENT OF MATHEMATICS Presents Online Add-On Course on 'A GLIMPSE TO THE WORLD OF PROGRAMMING' Starts From September 4, 2021 Duration of the Course : 30 Hours (Inclusive of practical sessions) Session Days : All Days. Timings : Mon-Fri: 6:00 p.m. - 7:30 p.m. Sat- Sun: 12 p.m. - 2 p.m. Platform : Google Meet Course Fee : FREE				
MODULES ➤ R ◦ Introduction to R, basic Probability and Distribution like Binomial Distribution. ➤ Mathematica ◦ Getting Started with Mathematica, Matrices, Differential Equations, Functions and Plotting their Graphs, Sequence & Series. ➤ MS Office ◦ Tips and Tricks. ➤ HTML ◦ Creating Web pages and modifying them, HTML linking and layout, HTML tables. ➤ LaTeX ◦ Creating Tex Document, Mathematical Typesetting and use of Graphics, adding figures and Plot functions, creating Presentations. NOTE : • The participants must have a Laptop or a PC. • Recorded videos will be provided. Students can watch the videos as per their convenience. • Face-to-Face discussions and doubts clearing sessions including Assignments.					
ELIGIBILITY CRITERIA • Only students of JDMC can apply. • Number of seats : 60 • Selection will be on first-come-first-serve basis after the successful registration of the course. REGISTRATION DETAILS • Last day of Registration : September 3, 2021. • Link for Registration : https://forms.gle/ZQipPNuM2S8sRvsQ6 E-CERTIFICATES WILL BE PROVIDED TO THE STUDENTS ON SUCCESSFUL COMPLETION OF THE COURSE. COURSE COORDINATORS <table><tr><td>Ms. Navya Student Department of Mathematics JDMC Contact no : 9013842878</td><td>Ms. Navya Lohia Student Department of Mathematics JDMC Contact no : 7503061790</td><td>Teacher Coordinators: Mr. Vikas Jorwal & Dr. Tanu Gupta (Dept. Of Mathematics)</td></tr></table> Dr. Sharda S. Gautam Prof. Swati Pal Teacher-In-Charge Principal, JDMC			Ms. Navya Student Department of Mathematics JDMC Contact no : 9013842878	Ms. Navya Lohia Student Department of Mathematics JDMC Contact no : 7503061790	Teacher Coordinators: Mr. Vikas Jorwal & Dr. Tanu Gupta (Dept. Of Mathematics)
Ms. Navya Student Department of Mathematics JDMC Contact no : 9013842878	Ms. Navya Lohia Student Department of Mathematics JDMC Contact no : 7503061790	Teacher Coordinators: Mr. Vikas Jorwal & Dr. Tanu Gupta (Dept. Of Mathematics)			

Pictures of the whole course



meet.google.com

nikita 19math1092 is presenting

Microsoft Whiteboard

Manipulate Slider Plot

x $2x$ $100x$

$1 \leq a \leq 100$

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33

23 others

You

vishakha 19math1503 is presenting

AutoSave creating simple web pages HTML - Saved +

File Home Insert Design Transitions Animations Slide Show Review View Recording Help

PRODUCT DEACTIVATED On Sunday, September 26, 2021, most features of PowerPoint will be disabled. Reactivate

Create a minimal web page

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<html>
<head>
<title>My Page</title>
</head>
<body>
Hello everyone!
</body>
</html>

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Department of Mathematics

Slide 11 of 22 English (India)

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15

SAKSHI 20bcomh989 joined

navya 19math723 is presenting

Document: D:\NANA\CDAC-Official work space\TeXmaker Prac\Prac 1.tex

File Edit Tools Layout View Bibliography Help View Options Help

LaTeX Editor

1 \documentclass{article}

2 \title{Research Paper}

3 \author{Navya}

4 \begin{document}

5 \maketitle

6 \begin{enumerate}

7 \item This is a sample document.

8 \end{enumerate}

9 \end{document}

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11

12

Research Paper

Navya

September 18, 2021

- This is a sample document.
- Article 1

navya 19math723

madhavi 19math1530

shreya 19bcomh842

KHUSHI 20math1496

SOMYA 20bcomh425

15 others

You

Presentation (madhavi 19math1530)

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You are viewing Garima Rawat's screen View Options

THANK YOU!

zoom.us is sharing your screen. Stop sharing Hide

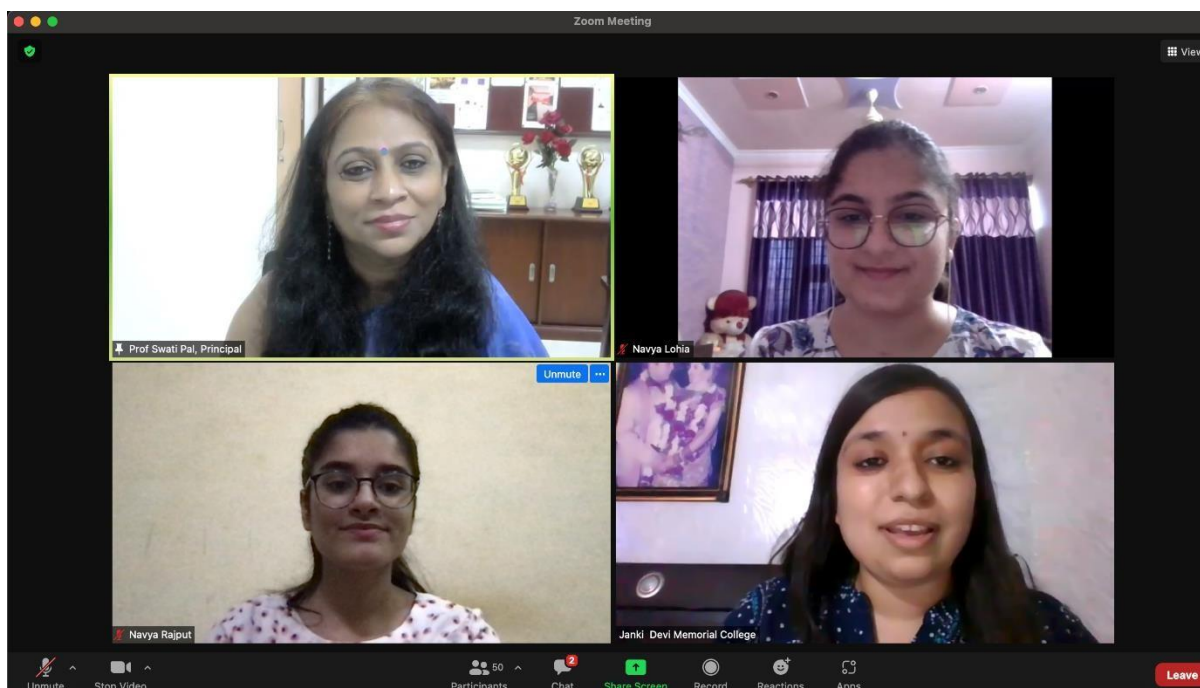
Prof Swati Pal, Principal

Navya Lohia

Navya Rajput

Dr. Sharda S. Gautam

Unmute Stop Video Participants 50 Chat Share Screen Record Reactions Apps Leave



Attendance and Feedback Record

https://docs.google.com/spreadsheets/d/1_tsWexAMRiPU06z3HonofnQdZYImRwUz_NX

https://docs.google.com/spreadsheets/d/1_tsWexAMRiPU06z3HonofnQdZYImRwUz_NX-v6JSyL0/edit?usp=sharingv6JSyL0/edit?usp=sharing

Video Recordings of the whole course

<https://drive.google.com/drive/folders/1RDDsUcON3SP7WFI-bI8UJdjYH68HpD04?usp=sharing>

Duration of Course: 30 hour

Course Fee: Nil/ Free of cost

Name of the Resource Persons and Course Coordinators

<https://docs.google.com/spreadsheets/d/17f2XBY40nVle6EzGsspY01TC4qfxnOaH/edit?usp=sharing&ouid=103794693456792250235&rtpof=true&sd=true>

Outcome of the Course

The course gave the participants a glimpse of the software: R, Mathematica, MS Office, Latex, and HTML which are used in solving problems at Undergraduate, Postgraduate levels and also for Research and Development.

The analysis of the responses from the participants revealed that approximately 90% of the participants rated this add-on course in the higher category in the overall rating and many of them expressed their willingness to attend such courses in future.

Course Coordinator's passport size photographs



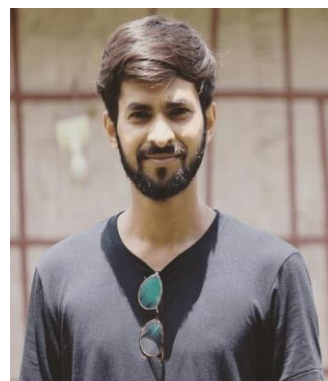
Course Coordinator 1: Navya Lohia



Course Coordinator 2: Navya



*Course Coordinator 3:
Dr. Tanu Gupta :*



*Course Coordinator 4
Mr. Vikas Jorwal*