



**SR
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विज्ञान एवं प्रौद्योगिकी स्कूल

(स्वामी राम हिमालयन विश्वविद्यालय की एक शैक्षणिक इकाई)

School of Science & Technology

[A Constituent Academic Unit of Swami Rama Himalayan University]

SRHU/SST/Int./2025- 231

Dated: 12th September 2025

Notice

Dear Students,

This is to inform you that the **School of Science & Technology** is organizing a **One Day hands-on Workshop on "Data Visualization using Python"** on **Engineer's Day**, scheduled on **15th September 2025**.

This hands-on workshop aims to empower students with practical skills in data visualization using Python, enabling them to transform raw data into meaningful insights. It will enhance their technical knowledge, analytical thinking, and creativity while commemorating the spirit of innovation and engineering on Engineer's Day.

Objective:


- **To commemorate the contributions of engineers and innovators** by organizing a skill-building workshop on Engineer's Day.
- **To encourage problem-solving and analytical thinking among students** by teaching them how to interpret and represent data effectively through Python-based visualizations.
- **To enhance technical knowledge in an engaging way** by providing hands-on exposure to libraries like Matplotlib.
- **To foster team spirit and healthy competition** by involving participants in mini-tasks and collaborative visualization exercises during the workshop.

Event Details:

- **Date:** 15th September 2025
- **Eligibility:** Open to all students
- **Time:** 11:30 AM - 01:30 PM
- **Venue:** LT- 3, School of Science & Technology

Registration Link:

- Last date of registration 14th September 2025.

Google Form Link	QR Code
https://forms.gle/dTce3Vn4UiFRvm2cA	 SCAN ME

For further inquiries and registration, please contact:

- **Dr. Gunjan Chhabra**, Associate Professor, School of Science and Technology
Email: gunjanchhabra@srhu.edu.in, **Contact:** 8433102140
- **Dr. Shiv Preet**, Assistant Professor, School of Science and Technology
Email: shivpreet@srhu.edu.in, **Contact:** 9876491445

Prof. (Dr.) Pramod Kumar
Dean
School of Science & Technology

Pramod Kumar
13/09/2025
Dean
School of Science & Technology
Swami Rama Himalayan University
Dehradun

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Report

- **Title of the Event/Activity:** One day hands-on workshop on “Data Visualization using Python”
- **Date / Duration:** 15th September 2025/ 11:30 AM to 1:30 PM
- **Venue:** LT-03, Third Floor, School of Science and Technology
- **Coordinator / Organized by:** Dr. Gunjan Chhabra & Dr. Shiv Preet
- **Resource Details:**

- Dr. Gunjan Chhabra, Associate Professor, Dept. of Computer Science and Engineering, School of Science and Technology, Swami Rama Himalayan University, Email id: gunjanchhabra@srhu.edu.in. Contact No.: 8433102140

- Dr. Shiv Preet, Assistant Professor, Dept. of Computer Science and Engineering, School of Science and Technology, Swami Rama Himalayan University, Email id: shivpreet@srhu.edu.in. Contact No.: 9876491445.

- **Summary / Overview:**

The School of Science & Technology (SST) organized a One Day Hands-on Workshop on “Data Visualization using Python” on Engineer’s Day (15th September 2025). The workshop aimed to commemorate the contributions of engineers and innovators while equipping students with practical skills in data interpretation and visualization. Students were introduced to Python-based tools and libraries, particularly Matplotlib, to learn how raw data can be transformed into meaningful insights.

The event was designed not only to enhance students’ technical knowledge but also to strengthen their analytical thinking, creativity, and problem-solving abilities. Through interactive sessions and mini-tasks, participants gained exposure to teamwork, collaborative exercises, and real-world application of data visualization techniques. The workshop was open to all students, encouraging inclusivity and multidisciplinary participation.

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- **Objective:**

- **To commemorate the contributions of engineers and innovators** by organizing a skill-building workshop on Engineer's Day.
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- **To foster team spirit and healthy competition** by involving participants in mini-tasks and collaborative visualization exercises during the workshop.

- **Number of Participants: 19**

- **Outcome/Achievement:**

- **Skill Development:** Students gained **hands-on experience** in Python programming for data visualization, improving their technical competence in widely used libraries like Matplotlib.
- **Analytical Growth:** The exercises encouraged students to think critically about data representation, fostering **problem-solving and analytical skills**.
- **Practical Exposure:** By working on live coding tasks and visualization challenges, participants learned to apply theoretical concepts in practical scenarios.
- **Teamwork & Collaboration:** The mini-tasks and group activities promoted **team spirit, peer learning, and collaborative problem-solving**.
- **Commemoration of Engineer's Day:** The workshop served as a meaningful way to celebrate innovation, creativity, and the role of engineers in society.
- **Student Engagement:** The event witnessed active participation and enthusiasm, showcasing students' eagerness to upskill in emerging technologies.

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Figure 3 Explaining how to interpret and modify the visual outcomes of Matplotlib



Figure 4 Hands-on practice using Google Colab

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- 2-4 non-Geo tagged photos:




Dr. Gunjan Chhabra

Event Coordinator
School of Science & Technology



Dr. Shiv Preet
Event Coordinator

School of Science & Technology



Prof. (Dr.) Pramod Kumar
Dean

School of Science & Technology
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Attendance Sheet- Engineer's Day

School of Science and Technology, SRHU , Dehradun

Event Name: Data Visualization using Python

Delivered by: Dr. Shiv Preet and Dr. Gunjan Chhabra

Date/Venue: 15th Sept. 2025/ LT-3, 3rd Floor floor, SST building

S. No.	Student Name	Registration Number	Program	Year/Semester	Signature
1	Devansh Kotiyal	DD241104301193	BCA	2 nd yr / III sem	[Signature]
2	Harit Vaswiskha	DD231104307006	B.Tech. AI/ML	3 rd yr / IV th sem	[Signature]
3	Anant Joshi	DD241104303005	B.Tech CSE	2 nd year / III sem	[Signature]
4	Ayush Phatt	DD241104307006	B.Tech (AI/ML)	2 nd Year / III sem	[Signature]
5	Ayush	DD241104303001	B.Tech CSE	" "	[Signature]
6	Nitin	DD241104307001	B.Tech (AI/ML)	" "	[Signature]
7	Sumanyu Bhatt	DD241104300010	B.Tech (DS/ML)	2 nd yr / III rd sem	[Signature]
8	Valu Dikman	DD241104308009	"	" "	[Signature]
9	Mukul Dixvi	DD241104301103	BCA	2 nd yr / III Sem	[Signature]
10	Bhatham Shasma	DD241104307015	B.Tech (AI/ML)	2 nd yr / III sem	[Signature]
11	Varun Badola	DD241104310013	BSc. (D.S)	2 nd yr / III sem	[Signature]
12	Subhank Soyal	DD241104310011	BSc. (D.S)	2 nd yr / III sem	[Signature]
13	Naval Bhatt	DD241104310007	BSc. (DS)	2 nd yr / III Sem	[Signature]
14	Siddharth Singh	DD241104310010	BSc (DS)	2 nd yr / III sem	[Signature]
15	Priyanshu Kappi	DD241104310009	BSC(D.S)	2 nd yr / III sem	[Signature]
16	Ahusha Rajat	DD241104310002	BSC(D.S)	2 nd / III sem	[Signature]
17	Naveed Rana		B.TECH CSE	1 st / I sem	[Signature]
18	Ankay Saxena		B.Tech CSE	1 st / I sem	[Signature]
19	MUKESH GUPTA	DD241104301101	BCA	2 nd / Year	[Signature]
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[Signature]
(Dr. Gunjan)

[Signature]