

Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya

[SCSVMV]

[Deemed to be University U/S 3 of the UGC Act 1956] Accredited
with 'A' Grade by NAAC

Enathur, Kanchipuram-631561

Department of Computer Science and Engineering



Report on one-week STC " DATA SCIENCE USING PYTHON" (SCSVMV UNIVERSITY, KANCHIPURAM, a Remote Center of NITTTR, Chandigarh) 19-23 FEBRUARY 2024

Sri Chandrasekharendra Saraswathi Viswa Maha Vidyalaya (SCSVMV) is deemed university at Kanchipuram in Tamil Nadu, India as a remote centre of NITTTR, Chandigarh has organized AICTE Recognized Short Term Course through Information and Communication Technology (ICT) on " **Data Science using Python**" from **19-23 February 2024** at SCSVMV Deemed to be University Kanchipuram. This Short Term Course is organized in association with National Institute of Technical Teachers Training & Research, Chandigarh under Ministry of Education, Government of India.



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As an outcome of the course, participants gaining foundational knowledge, practical skills in Data Science and AI/ML, data handling expertise, familiarity with machine learning algorithms, an introduction to deep learning, proficiency in data science tools, hands-on project experience. A total of 10 technical sessions were constituted from a wide variety of topics and each session was led by a team of expert's viz.:



STC on Data Science using Python

From 19.02.2024 to 23.02.2024

O. Plan No. ICT-154

Organized by Department of Computer Science and Engineering
NITTTR, Chandigarh

DATE	10:00 a.m. to 11:30 a.m.		11:45 am to 1:15 pm	L	2:30 p.m. to 4:00 p.m.
19.02.2024 (Monday)	Inauguration (MK)	T	Essentials of Data Science (AY)	U	Data Cleaning and Feature Engineering (SW)
20.02.2024 (Tuesday)	Exploratory Data Analysis (SW)	E	Data Visualization (MK)	N	Practice Session/Assignment (MK)
21.02.2024 (Wednesday)	Introduction to Linear and Multivariate Regression (GK)	A	Decision Tree based Classification Algorithms (GK)	C	Clustering Techniques (SS)
22.02.2024 (Thursday)	SVM based Classification (PV)	B	Ensemble Based Learning (PV)	H	Dimensionality Reduction using PCA (SS)
23.02.2024 (Friday)	Association Rule Mining (NT)	R	Time Series Analysis (NT)	B	Valediction and Quiz (MK)
		E		R	
		A		E	
		K		A	
				K	

Course Coordinator: Dr. Mala Kalra

Resource Persons

MK: Dr. Mala Kalra, Assistant Professor, NITTTR, Chandigarh

AY: Mr. Arpit Yadav, Senior Manager, AI Research, Bengaluru

GK: Dr. Gaurav Kumar, Director, Magma Research & Consultancy Pvt. Ltd., Ambala

PV: Dr. Padmavati, Associate Professor, PEC, Chandigarh

NT: Mr. Nitin, Sr. Data Scientists Trainer, Brain Mentors Pvt. Ltd., Delhi

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Day 1:

Essentials of Data science by Dr. Arpit Yadav Senior Manager AI research
Bengaluru. Data cleaning and feature engineering by Dr. Sruthi NITTTR Chandigarh

Day 2: Exploratory Data analysis by Dr. Sruthi NITTTR Chandigarh

Data Visualization by Dr. Mala Kalra Assistant Professor NITTTR Chandigarh

Practice session and Assignment

Day 3: Introduction to Linear and Multivariate regression & Decision Tree Based

Classification algorithms by Dr. Gaurav Kumar Director,
Magma Research & consultancy pvt Ltd Ambala.

Clustering Techniques.

Day 4: SVM based classification ensemble based learning by

Dr. Padmavathi Associate Professor, PEC Chandigarh

Dimensionality Reduction using PCA

Day 5: Association Rule mining & Time series Analysis by Mr. Nithin Sr. Scientists Trainers Brain
Mentors Pvt Ltd.

This Short Term Course benefitted a total of 31 participants. The SCSVMV University was much praised by NITTTR Chandigarh for its active participation. **Dr. R. Prema, Assistant Professor, Remote Center Coordinator, and Mr L. Ganesh, Technical Support Staff** from SCSVMV University Department of Computer Science and Engineering, coordinated the programme.

Glimpses of the Event:

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Enathur, Tamil Nadu, India

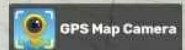
Sri Jayendra Saraswathi street, VP6H+88R, Enathur, Tamil Nadu 631561, India

Lat 12.861033°

Long 79.728157°

19/02/24 11:02 AM GMT +05:30

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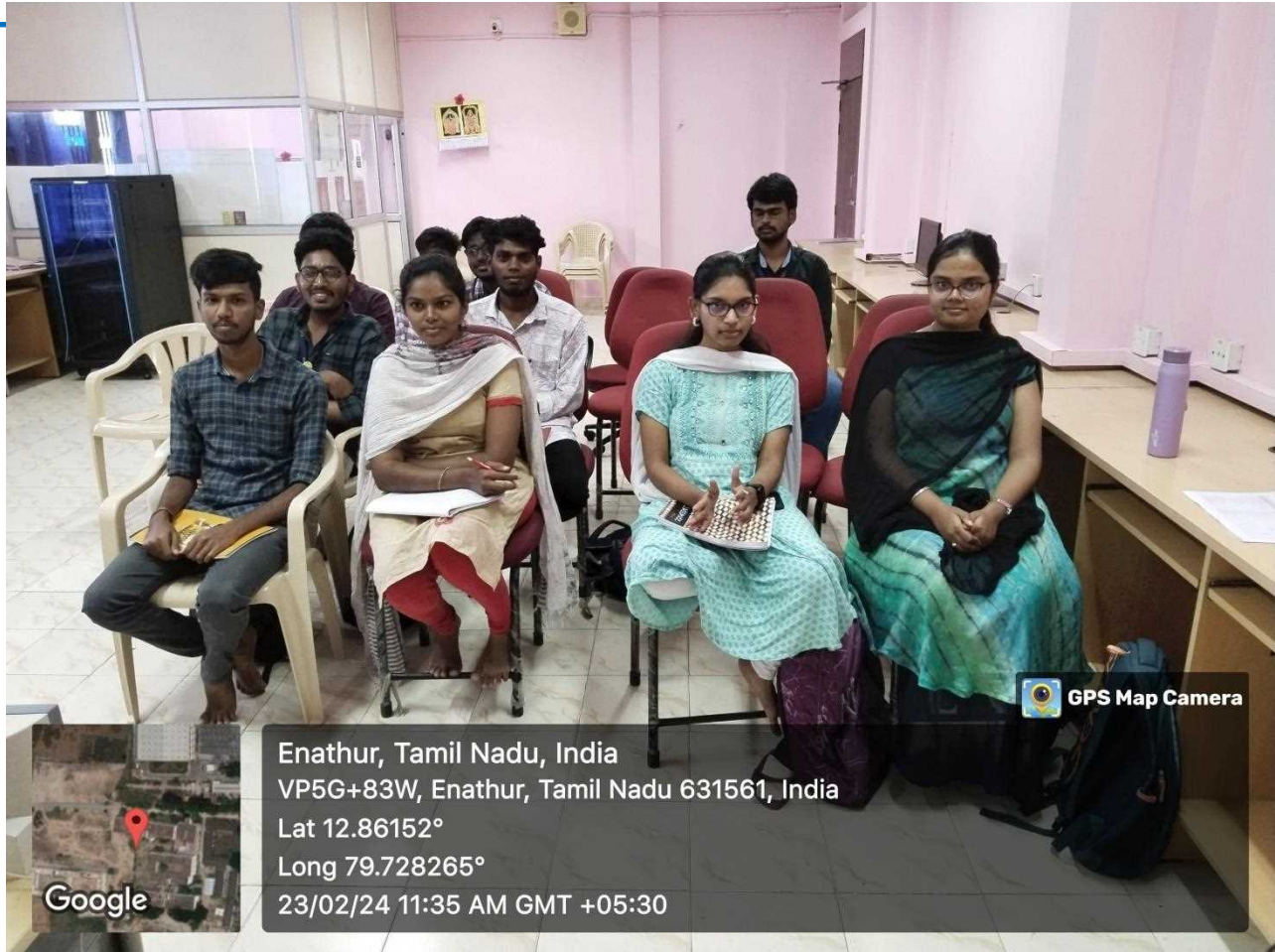
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