

ELIGIBILITY

Faculty members from AICTE/UGC-approved institutes are eligible to participate. The number of participants is limited to 50. Selection of the participants will be based on a first come first serve basis.

REGISTRATION LINK

Registration has to be done only through the below MS Form link.

<https://forms.office.com/r/MXJEBS4GX5>

REGISTRATION FEE

The participants have to pay a registration fee of ₹500.

For payment processing, kindly scan the QR code.



MODE OF DELIVERY

The STTP will be conducted in the online mode. It is mandatory to attend the test that will be conducted on the last day of the STTP related to the topics covered. It is also mandatory for the participants to have a minimum of 80% attendance and 60% marks in the test to earn the certificate.

CONTACT

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SPEAKERS

1. Ms. Manjula Tanawade, Consultant, Deloitte.
2. Mr. Yogendra Yalnalkar, Sr. ML Engineer, Quantiphi, Mumbai.
3. Prof. Pramod Bhide, Assistant Professor, SPIT, Mumbai.
4. Dr. Bhushan Jadhav, Assistant Professor, TSEC, Mumbai.
5. Mr. Akash Shah, Lead Data Engineer, JP Morgan Chase & Co., Mumbai.
6. Dr. Kriti Srivastava, Head CSE(DS), SVKM's DJSCE, Mumbai.

OBJECTIVES OF STTP

The objective of the Short-Term Training Program (STTP) is to equip participants with advanced knowledge and practical skills in key areas of data engineering and database systems. The program covers modern data architectures and data preparation tools, data analytics and visualization using PySpark, and efficient data storage and analysis with AWS RedShift. Participants will learn to implement message passing services using Kafka, design robust data pipelines, and query data using AWS Athena. Additionally, the program includes training on data ingestion using AWS Glue, containerization with Docker and Kubernetes, and managing machine learning operations (MLOps) for streamlined deployment and monitoring of models. This comprehensive training aims to enhance participants' technical capabilities and prepare them to tackle complex data challenges in their professional roles.

OUTCOME

- Proficiency in Modern Data Architectures and Tools.
- Expertise in Data Analytics and Visualization.
- Knowledge in Data Pipeline Design and Implementation.
- Competence in Cloud-Based Data Services.
- Create and Manage Containerized Applications and MLOps Pipelines.



Shri Vile Parle Kelavani Mandal's
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING
(Autonomous College Affiliated to the University of Mumbai)
NAAC Accredited with "A" Grade (CGPA : 3.18)



ISTE Approved
Short-Term Training Programme
on

Emerging Trends in Data Engineering

13th June to 20th June 2024

Convener

Dr. Hari Vasudevan

Principal

Co-Convener

Dr. Narendra Shekokar

Vice Principal

Coordinator

Dr. Kriti Srivastava

Head, CSE(DS)

Co-Coordinator

Dr. Nilesh Marathe

Associate Professor, Department of CSE(DS)

Prof. Pradnya Saval Joshi

Assistant Professor, Department of CSE(DS)

Organized by

Department of Computer Science & Engineering (Data Science)

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ABOUT SVKM

Shri Vile Parle Kelavani Mandal (SVKM), a Public Charitable Trust registered under the Societies Registration Act and Bombay Public Trust Act has become synonymous with excellence, pragmatism and vision in the field of Indian education. It runs educational institutes with exceptional faculty appointments, the latest & the best in infrastructure and a conducive learning environment. From its humble beginning in 1934, the SVKM has been committed to the cause of providing high quality education at various levels. It has over the past 84 years grown into a mega educational foundation, promoting global thinking, consistent with national interest, at the same time promoting the values of professionalism, social sensitivity and dynamic entrepreneurship.

ABOUT DJSCE

Shri Vile Parle Kelavani Mandal's (SVKM) Dwarkadas J. Sanghvi College of Engineering (DJSCE) was established in the year 1994. In the span of 30 years, DJSCE has come a long way and has made its impact felt not only in the country but also abroad. **DJSCE is an Autonomous Institution, granted autonomy by the University Grants Commission (UGC) for a period of 10 years, starting from the A.Y. 2019-20 till 2028-29.** The National Assessment and Accreditation Council (NAAC) has accredited DJSCE with a CGPA of 3.18 out of 4, i.e., with an "A" Grade for a period of 5 years with effect from 18th of October 2019. The current validity is till 31st December, 2024.

The college runs 8 undergraduate programmes, 3 postgraduate programmes, and 3 Ph.D. programs for the A.Y. 2024-25, all permanently affiliated to the University of Mumbai. **All the eligible undergraduate programs are accredited by the National Board of Accreditation.** Students of the college have always performed exceedingly well in national and globally competent multinational companies and also in the universities in India and abroad as they pursue their higher education.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)

The Department of Computer Science and Engineering (Data Science) was established in 2020 to cater to the growing demands of technically sound professionals in Data Science. The department had started with 60 intake in the academic year 2020-21, then the intake was increased to 120 in the academic year 2021-22 and now with the increase in demand the college has further got the increased intake approval from AICTE to 180 from the academic year 2024-25.

The department has qualified eminent faculty with the state of art infrastructure to facilitate an efficient teaching-learning process. The department has four well-equipped computer labs with the latest computer systems, licensed software & open-source software. All classrooms & labs are well-resourced with amenities, such as smart boards, internet facility, scanners and printers. Also, 100% placement of final year students is achieved in national & multinational companies like JP Morgan, Dolat Capital, Appolo Global, Sharekhan, IDFY, E&Y, TCS and many more. Students have taken admissions for Masters Program in Carnegie Mellon University (CMU) (Data Science), University of Washnigton, University of Illinois Urbana-Champaign (UIUC) and many more prestigious The United States of America and Australian Universities for Data Science and Computer Science Courses.

ABOUT THE PROGRAM

The topics covered through this programme are as follows:

- Modern Data Architectures and Data Preparation Tools.
- Data Analytics and Visualization using PySpark.
- Storing and Analyzing Data using AWS RedShift.
- Message Passing Services: Kafka.
- Design Principles and Patterns for Data Pipeline.
- Querying Data using AWS Athena.
- Data Ingestion using AWS Glue.
- Dockers and Kubernetes.
- Machine Learning Operations (MLOps).

CHIEF PATRON

Shri Amrish R. Patel President, SVKM

PATRONS

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Shri Shalin S. Divatia	Joint Secretary, SVKM
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Shri Jagdish B. Parikh	Joint Treasurer, SVKM

ADVISORY COMMITTEE

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Dr. Amit Deshmukh	Head, EXTC Engg.
Dr. K. N. Vijaya Kumar	Head, Mechanical Engg.
Dr. Meera Narvekar	Head, Computer Engg.
Dr. Vinaya Sawant	Head, IT
Dr. Aruna Gawde	I/C Head, AIML
Dr. Lakshmi Kurup	I/C Head, AI and DS
Dr. Trupti Paradkar	F.E. Coordinator

ORGANIZING COMMITTEE

- Prof. Kanchan Dabre, Assistant Professor, CSE(DS).
- Prof. Pooja Vartak, Assistant Professor, CSE(DS).
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- Prof. Ruchika Patil Assistant Professor, CSE(DS).
- Prof. Poonam Jadhav Assistant Professor, CSE(DS).
- Prof. Shruti Mathur Assistant Professor, CSE(DS).