

DAYANANDA SAGAR UNIVERSITY

Dayananda Sagar Institutions founded in the 60s by one such visionary, Late Shri R Dayananda Sagar committed to take knowledge to the people, transforms today's students into responsible citizens and professional leaders of tomorrow. Dayananda Sagar University created by an Act of the Karnataka State in 2014, built on this adorable legacy and inspired by its own milestones, meeting the needs of quality higher education in this part of the world.

Inspired by Innovators - Research, Innovation and Incubation (spread over 25,000 sqft of industry quality labs) form the core of DSU. So it isn't surprising that DSU has taken the next logical step: Laying the foundation to transform the entrepreneurial dream of every young Indian and global citizen into a reality. Enabling this transformation is the active support of industry leaders, industry bodies and a dedicated 4 lakh square feet modern ready-to-move-in infrastructure!

ABOUT THE DEPARTMENT

The Computer Science and Engineering department actively involves in research & development. It has good collaborations with several industries, academic institutes and research & development organizations. The mission of the department is to develop student's breadth of knowledge across the subject areas of computer science, including their ability to apply the defining processes of computer science theory, abstraction, design, and implementation to solve problems in the discipline and across industry domains. It offers under graduate, post graduate and doctoral programmes. The department maintains a strong relationship with industry partners. Many students are benefitting with industry linked internship.



Dayananda Sagar
University Bengaluru

- Chief Patrons :** **Dr. D. Hemachandra Sagar,**
Chancellor, DSU
- Dr. D. Premachandra Sagar,**
Pro-Chancellor, DSU
- Patrons :** **Shri. Galiswamy,**
Secretary, DSI
- Dr. K. N. B. Murthy,**
Vice Chancellor, DSU
- Prof. R. Janardhan,**
Pro-Vice Chancellor, DSU
- Dr. K. Muthuchelian,**
Pro-Vice Chancellor, DSU
- Dr. Puttamadappa C,**
Registrar, DSU
- Honorary Chairs :** **Prof. H.P. Khincha,**
Evangelist, DSU
- Shri. K. Jairaj,**
Advisor, DSU
- Conveners :** **Dr. A. Srinivas,**
Dean SoE, DSU
- Dr. M. K. Banga,**
Chairman CSE, Dean-Research, DSU
- Organizers :** **Dr. Girisha G S**
Dr. Mallanagouda Patil
Prof. Roopashree S
Prof. GousiaThahniyath
Prof. Bhargavi Mokashi
Prof. Nazmin Begum
Prof. Krishna Sowjanya K
Prof. Nandini K
- For Any Queries Email To:*
Prof. Krishna Sowjanya K(ksowjanya-cse@dsu.edu.in)
Prof. Nandini K(nandini-cse@dsu.edu.in)

Dayananda Sagar
University

School of Engineering

**Department of Computer Science &
Engineering**

Kudlu Gate, Hosur Main Road, Bengaluru – 560114



**Five-Days Online
Faculty Development Program**
ON

**“Current Trends in Machine
Learning with Python-
A Hands-on Approach”**

06th - 10th July-2020
(Registration on or before 3rd- July- 2020)

Organized by
Department of Computer Science and Engineering
Dayananda Sagar University

ABOUT THE FDP

Machine Learning is the science of getting computers to act without being explicitly programmed, hence widely regarded and almost inevitable for anyone who hopes to create intelligent machines. It is a form of AI that enables a system to learn from data. Simply put, AI's goal is to make computers or computer programs smart enough to imitate the human mind behavior. One area that extensively utilizes the concept of machine learning is Natural Language Processing with the ability of a computer to understand, analyze, manipulate and potentially generate human language.

This programme aims to give the participants a comprehensive understanding of the concepts of Machine Learning, AI, NLP, Data Science and Computer Vision through interactive sessions and also giving them hands-on experience on the application of ML using Python so as to promote the use of these techniques in interdisciplinary field of research.

FDP OBJECTIVES

- To develop competency in Machine Learning, Artificial Intelligence, NLP and Data Science.
- To develop an expertise in Machine Learning Tools and Frameworks such as Jupyter, Anaconda and Python Frameworks.
- To implement Machine Learning in the areas of Gaming, Social Media, Robotics, E-Commerce.
- To gain an Insight on Computer Vision.

RESOURCE PERSONS

1) **Mr. Gururajan Narasimhan E,**
*Senior Architect, DAAI,
Wipro Technologies, Bengaluru.*

2) **Dr. Arun Chauhan,**
*PhD (IIT ROORKEE)
Assistant Professor, Dept of CSE,
IIT Dharwad.*

3) **Prof. Merin Meleet,**
*Assistant Professor, Dept of ISE,
RV College of Engineering.*

4) **Mr. Ankit Sharma,**
Data Scientist, Curefit.

5) **Mr. Verma Chandan,**
Corporate Trainer and Consultant.

REGISTRATION

**The FDP is open for the participants from
academia and industry**

To Register

Scan the QR code



Or visit

<https://tinyurl.com/FDP-ML-Python>

Registration is free.

**E- Certificate will be provided on completion of
FDP**

SCHEDULE

6 th July 2020	
Mr. Gururajan Narasimhan E, 10.00AM-12.00NOON	Introduction to AI and ML, significance in today's scenario. Types of learning , approaches and algorithms
7 th July 2020	
Mr. Gururajan Narasimhan E, 10.00AM-12.00NOON	Regression, Classification, Clustering, Neural Networks and Deep learning. How to build a model using Python, Python Frameworks and Jupyter Notebook.
8 th July 2020	
Mr. Gururajan Narasimhan E, 10.00AM-12.00NOON	Applications of various ML Techniques. Hands-on using Python, Python Frameworks, Jupyter Notebook and Anaconda .
9 th July 2020	
Prof. Merin Meleet 11.00AM-12.00NOON	AI, ML, DataScience Algorithms along with case studies and applications.
Mr. Verma Chandan 12.00NOON-1.00PM	Natural Language Processing.
10 th July 2020	
Dr. Arun Chauhan 11.00AM-12.00NOON	Logistic Regression
Mr. Ankit Sharma 12.00NOON-1.00PM	Computer Vision