Trainers

Dr. Tousif Diwan, IIIT, Nagpur
Ms. Samruddhi Kanhere, SI, Ireland
Ms. Aishwarya Bongale, TRDDC, Pune
Mr. M. B. Narnaware, IT, WCE, Sangli
Mr. T. A. Mulla, IT, WCE, Sangli
Dr. P. K. Kharat, IT, WCE, Sangli

Contact Details

Mr. M. B. Narnaware, 8149086348

manish.narnaware@walchandsangli.ac.in

Mr. T. A. Mulla, 9595659465

tahseen.mulla@walchandsangli.ac.in

Course Registration Details
Fees: Rs. 2300/-
Maximum Number of Participants 40
Register here

Patrons

Dr. A. J. Umbarkar
Head of the Department

Dr. P. H. Sawant
Director

About the Institute

Walchand College of Engineering Sangli (WCE), established in 1947 and aided by the Govt. of Maharashtra, is one of the oldest and premier engineering institutions in India. With a rich history of over 70 years and a beautiful campus of over 90-acres, WCE, is providing transformational learning experience in various disciplines of engineering.

WCE offers 6 UG programs in Civil Engineering, Electrical Engineering, Mechanical Engineering, Electronics Engineering, Computer Science and Engineering and Information Technology and 10 PG programs in Civil Environmental Engineering, Civil Structural Engineering, Mechanical Heat Power Engineering, Mechanical Design Engineering, Mechanical Production Engineering, Electrical Power System, Electrical Control Systems, Electronics Engineering, Computer Science and Engineering, and Computer Science and Information Technology. It also offers Ph.D. programs under Shivaji University, Kolhapur, Doctoral Fellowship of All India Council for Technical Education (AICTE) and under Quality Improvement Program (QIP) scheme of Ministry of Human Resource Development (MHRD). At present, around 1900 students are studying in various B.Tech. programs, 480 students in M.Tech. programs and around 75 scholars are pursuing their Ph.D. programs.

WCE was selected for Technical Quality Improvement Program (TEQIP) of MHRD through NPIU in Phase-I in 2004 with funding of Rs. 8.54 Cr., for TEQIP-II with funding of Rs. 12 Cr. WCE was also selected for TEQIP-III in 2017 with a funding of 7.0 Cr. WCE has consistently performed well in implementation of these projects. Based on the performance, the institute has received additional funding of Rs. 0.7 Cr. in TEQIP-III.

About the Course

This value added course is a certification course offered by Department of Information Technology. This course provides a hands on experience to Machine Learning using Python. Topics include: Python and its libraries for ML, Supervised learning (parametric/non-parametric algorithms, support vector machines, kernels, neural networks), Unsupervised learning (clustering, dimensionality reduction, recommender systems, deep learning), Best practices in Machine Learning (bias/variance theory; innovation process in machine learning and AI) etc. The course will also draw from numerous case studies and applications, so that you'll also learn how to apply learning algorithms to building smart data driven applications.

Before implementing or adopting Machine Learning Technology you need to have an understanding of what it is exactly and what options you have when thinking about your application. This course covers an industry oriented topics with a solid foundation of understanding.

At the end of course experts will guide you for the career path in the Machine Learning area.

Who can register?

Anyone who is interested but familiar with Computer competency, Mathematical and Programming skills.

Walchand College of Engineering
(Government Aided Autonomous Institute affiliated to Shivaji University)
Vishrambag, Sangli

Value Added Course
on

Machine Learning using Python

7th August to 31th October 2021

Offered by
Department of Information Technology

Coordinators

Dr. P. K. Kharat, IT, WCE
Mr. M. B. Narnaware, IT, WCE
Mr. T. A. Mulla, IT, WCE

Glorious 75 Years of Quality Engineering Education

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WCE offers 6 UG programs in Civil, Electrical, Mechanical, Electronics, Information Technology and Computer Science and Engineering and 10 PG programs. It also offers Ph.D. programs under Shivaji University, National Doctoral Fellowship of AICTE and under Quality Improvement Program (QIP) scheme of Ministry of Human Resource Development (MHRD). At present around 1900 students are studying in various B.Tech. programs, 480 students in M.Tech. programs and around 75 scholars are pursuing their Ph.D. programs. WCE is affiliated to Shivaji University and is approved by AICTE, New Delhi. The institute is also given autonomous status by UGC since 2007.

The students of this institute got placed in reputed Multinational and Indian companies such as Google, Microsoft, LinkedIn, Amazon, John Deere, Rakuten, Mahindra, TCS, Infosys and many other companies.

The Track Based Curriculum and Choice Based Credit System along with Value Added Professional and Life Skill Courses at WCE, enable students to choose appropriate path of their career.

VISION

To produce capable graduate engineers with an aptitude for research and leadership

QUALITY POLICY

To strive for excellence in academic and research and programmes in order to achieve proficiency in students by adopting continually improving standards to the learning process

MISSION

To impart quality education through demanding academic programmes

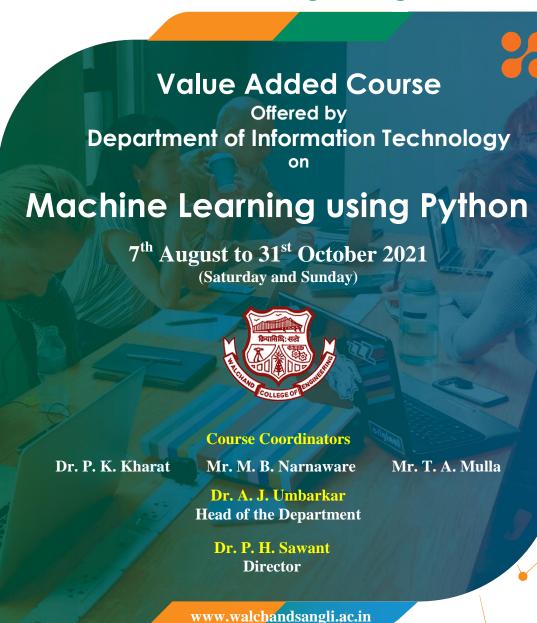To enhance career opportunities for students through exposure to industry

To promote excellence by encouraging creativity, critical thinking and discipline

To inculcate sensitivity toward society and a respect for the environment

Walchand College of Engineering
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Value Added Course
Offered by
Department of Information Technology
on

Machine Learning using Python

7th August to 31st October 2021
(Saturday and Sunday)

Course Coordinators

Dr. P. K. Kharat   Mr. M. B. Narnaware   Mr. T. A. Mulla

Dr. A. J. Umbarkar
Head of the Department

Dr. P. H. Sawant
Director

About the Course

This value added course is a certification course offered by Department of Information Technology. This course provides a hands on experience to Machine Learning and Statistical Pattern Recognition. Topics include: (i) Supervised learning (parametric/non-parametric algorithms, support vector machines, kernels, neural networks). (ii) Unsupervised learning (clustering, dimensionality reduction, recommender systems, deep learning). (iii) Best practices in machine learning (bias/variance theory; innovation process in machine learning and AI). The course will also draw from numerous case studies and applications, so that you'll also learn how to apply learning algorithms to building smart robots (perception, control), text understanding (web search, anti-spam), computer vision, medical informatics, audio, database mining, and other areas.

Course Objectives

- To get hands-on practice on Python and its libraries
- To understand and get hands-on training on Machine Learning
- To understand and get hands-on training on Data pre-processing and Feature Engineering

Course Contents

- Python Programming
- Machine Learning Libraries
- Regression Techniques
- Supervised & Unsupervised Machine Learning Algorithms
- Neural Networks

Course Examination Scheme

Exam Type	Max Marks	Duration (min)
Test-1	25	60
Test-2	25	60
End Exam	50	120

Important Dates

Last Date of Registration: 1st August 2021

Course Start Date: 7th August 2021

Course End Date: 31st October 2021

Who can register?

Anyone with computer competency, sufficient mathematical and programming basics.

Registration Link and Bank Details

Bank Name   :   Bank of India
Branch   :   Vishrambag, Sangli
IFSC Code   :   BKID0001507
Account No :   150710110000187
MICR Code   :   416013154

Scan to register

Maximum Participants 40

Course Registration Fees

₹ 2300/- (Rupees Two Thousand Three Hundred only)

Trainers

Dr. P. K. Kharat
Department of Information Technology
Walchand College of Engineering, Sangli

Dr. Tousif Diwan
Department of Computer Science and Engineering, IIIT, Nagpur

Mr. M. B. Narnaware
Department of Information Technology
Walchand College of Engineering, Sangli

Ms. Samruddhi Kanhere
Data Engineer, Sonra Intelligence Ltd., Ireland

Mr. T. A. Mulla
Department of Information Technology
Walchand College of Engineering, Sangli

Ms. Aishwarya Bongale
System Engineer, Tata Research Development and Design Centre, Pune