

About the Course

This Minor course is a certification course offered by Department of Information Technology. This course provides a hands on experience to Artificial Intelligence, Machine Learning and Deep Learning using Python. The course will cover numerous case studies and applications, so that you'll also learn how to apply Machine Learning and Deep Learning algorithms to building smart data driven applications.

To implement or adopt 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 firm foundation of understanding.

Guidelines for Minor Course

- Student must complete 20 credits to earn Minor certification
- Students of any class – FY, SY, TY and B. Tech can take course for Minor certification
- The credits can be earned through approved MOOC's or courses approved by Institute
- A student can complete an additional of minimum 20 credits from approved Value-Added Professional course, in a single domain other than parent domain
- Candidate should inform earned credits for approved courses to program coordinator

Contact Details

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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.

20 Credits Courses Approved for Minor

Artificial Intelligence (Credits: 2)

<https://nptel.ac.in/courses/106/105/106105077/>

Introduction to Machine Learning (Credits:3)

<https://nptel.ac.in/courses/106/105/106105152/>

Data Science for Engineers (Credits: 2)

<https://nptel.ac.in/courses/106/106/106106179/>

Deep Learning Part-I (Credits: 3)

<https://nptel.ac.in/courses/106/106/106106184/>

IBM Data Science Professional Certificate (Credits: 2)

<https://www.coursera.org/specializations/ibm-intro-machine-learning>

Machine Learning (Credits: 3)

<https://www.coursera.org/learn/machine-learning>

Applied Data Science with Python Specialization (Credits: 2)

<https://www.coursera.org/specializations/data-science-python>

Deep Learning Specialization (Credits: 3)

<https://www.coursera.org/specializations/deep-learning>

Platinum Jubilee Year 1947-2022

Walchand College of Engineering

(Government Aided Autonomous Institute affiliated to Shivaji University)

Vishrambag, Sangli



Minor

in

Artificial Intelligence and Machine Learning

AY 2021-22 Onwards

Offered by

Department of Information Technology



Minor Program Coordinator

Mr. M. B. Narnaware

Head of Department

Dr. A. J. Umbarkar

Director

Dr. P. H. Sawant

Walchand College of Engineering, Sangli

Glorious 75 Years of Quality Engineering Education