WALCHAND COLLEGE OF ENGINEERING SANGLI
(An autonomous institution affiliated to Shivaji University)
Two Credit
VALUE ADDED COURSE

On

Application of IoT
(Approved under Centre for Continuing Education)

From
14th March 2022 to 15th April 2022

Course Co-coordinators

Mrs. A.M.Chimanna
Assistant Professor

Dr. U.A.Dabade
I/C Director

Mr. N.V. Marathe
CCE Coordinator

Dr.M.A.Shah
HOD, Department of CSE

WALCHAND COLLEGE OF ENGINEERING, SANGLI

ABOUT WALCHAND COLLEGE OF ENGINEERING

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 Sangli, is providing transformational learning experience in various disciplines of engineering.

WCE offers 6 UG programs in Civil, Electrical, Mechanical, Electronics, Computer Science and Engineering and Information Technology and 10 PG programs. It also offers PhD 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 PhD programs. Walchand College of Engineering is affiliated to Shivaji University Kolhapur and is approved by AICTE, New Delhi. The institute is also given autonomous status by University Grants Commission since 2007.

The students of WCE get placed in reputed Multinational and Indian Companies such as Google, Microsoft, LinkedIn, Amazon, John Deere, Rakuten, P&G, Mahindra, TCS, Infosys and many other companies. With a high percentage of placements, WCE students also get very good packages, with the highest package being 43 LPA in the year 2019.

Through the Transformational Teaching Learning (TTL) processes, WCE aims at overall development of students with focus on Education, Employability and Employment. 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.

ABOUT COMPUTER SCIENCE AND ENGINEERING DEPARTMENT

The CSE department of WCE has been established in the year 1986 with the introduction of Undergraduate Programme in Computer Science and Engineering. The UG and PG programmes of the department are affiliated to Shivaji University, Kolhapur and use the academic autonomy for the overall development of students with focus on Education, Employability and Employment. The Ph.D. Programme in the department which runs under AICTE's QIP has boosted the research culture further. The department also provides research guidance to Ph.D. students of Shivaji University, Kolhapur. Many researchers have completed their Ph.D. research work at the department. The strong research culture, fully equipped computing facility and well qualified faculty and staff are the key highlights of the department.

COURSE INTRODUCTION

Department of CSE has launched value added Programme on Application of IoT for Continuing Education (CCE). Emerging trends in technical and professional education call for value addition i.e. students must acquire something more than what is provided in the curriculum. The college offers numerous of value added courses which are designed to bridge the gap between the academia and industry. By doing this VAP course participant excel in ios app development.

PROGRAMME OBJECTIVES
1.To share in-depth knowledge of Internet of Things.
2. To deliver hand-on experience in the field.
3. To inculcate interest in different domain areas.

COURSE CONTENT

The syllabus of the course Arduino basics, raspberry pi, Azure IOT Hub, Cisco IOT cloud connect, Study Amazon web services-IOT, implementation of Amazon 53, Amazon)B,AWS Lambda, Amazon SNS, Study of Node MCU IOT platform.

COURSE SCHEDULE & EVALUATION
Date: 26 sessions [1 May 2022to31May 2022]

a. There will be only End Exam of 100 marks.
b. Mode of examination will be Online

Certificate: Certificate will be issued to the participants, after successful completion of the course for WCE students, the credits and grades of this Value Added Course shall be mentioned on their grade card for which, the student should submit the certificate to Examination Section. These credits shall not be considered for SGPA / CGPA calculation.

Note: Detailed course schedule will be displayed later on website.

FACULTY/ SPEAKERS

No.	Name	Organisation	Affiliation
1	Mrs.A.M.Chimanna	WCE, Sangli	CSE, Assistant Professor

IMPORTANT DATES

The course will be organized during: 26 sessions [1 May 2022to31May 2022]

- Deadline for submitting application:18th April 2022

Notification of acceptance:25th April 2022

Note: Incomplete application forms will not be entertained. Please fill the form carefully.

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ELIGIBILITY FOR COURSE RESGISTRATION

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All students of engineering discipline, faculty from various colleges having basic knowledge of programming can register for this course.

ELIGIBILITY FOR COURSE CERTIFICATE

All participants who have successfully attended the sessions and completed the assignments within given time and who have passed the final exam (which will be scheduled at the end of course) with 40% marks they will be eligible for certificate.

REGISTRATION

Candidates should complete the registration by submitting the form **online** (the link is given below). Candidate need to pay registration fees **online**. A link for online payment is also provided below. Confirmation of eligible candidates will be on a first come first served basis.

Registration steps:

1. **Online payment of fees using Google Pay/Phone Pay/Net Banking (details are provided below)**

2. **Online Submission of course registration form (form link is given below)**

Registration fees: Rs.1500+300=1800

Registration form link: https://forms.gle/Hbkx31ReH7zwucxb7

Payment of fees: Use Google Pay/Phone Pay/ Net banking for online payment of Fees

Account details:-

Name of Bank	Bank of India
Branch	Vishrambagh, Sangli.
A/c No	150710110000187
IFSC	BKID0001507
MICR	416013154

Website link (for more details): http://wce-valueadded.herokuapp.com/

Enquiries:
Course Coordinator:

1. **Mrs. A.M.Chimanna**
   Mob-8329101193
   Email-amruta.umrani@walchandsangli.ac.in

2.

Note: Detailed course schedule will be displayed later on website.