

VIVEKANAND COLLEGE, KOLHAPUR (AUTONOMOUS)

Department of Computer Science

“Integrated Software Development Course”

The "Integrated Software Development" course is a comprehensive one-year program offered at our college, focusing on software development using VB.Net. The course is designed to provide students with practical skills and hands-on experience in software development, emphasizing the application of VB.Net programming language. The practical component is facilitated through dedicated lab sessions, where students can apply theoretical knowledge in a real-world development environment.

Objectives:

- **Skill Enhancement:** The primary objective of the course is to enhance students' software development skills, with a specific focus on VB.Net. This includes proficiency in coding, debugging, and deploying applications using this programming language.
- **Real-world Application:** The course aims to bridge the gap between theoretical knowledge and practical application by providing hands-on experience in the lab. This practical exposure ensures that students are well-prepared for real-world software development scenarios.
- **Project-based Learning:** The curriculum is structured to include project-based learning, enabling students to work on practical assignments and projects. This approach fosters a deeper understanding of software development concepts and methodologies.
- **Industry Relevance:** The course is designed to align with industry standards and requirements, ensuring that students acquire skills that are in demand in the software development sector.

Course Components:

- **VB.Net Programming:** The core of the course is focused on VB.Net programming, covering topics such as variables, control structures, functions, and object-oriented programming concepts.
- **Database Integration:** Students learn how to integrate databases into their applications, emphasizing database design, SQL queries, and data manipulation using VB.Net.
- **User Interface Design:** The course includes modules on designing user-friendly interfaces, incorporating principles of user experience (UX) and user interface (UI) design.

- **Project Development:** The practical aspect of the course involves the development of projects using VB.Net. Students are guided through the entire software development life cycle, from requirements gathering to testing and deployment.

Student Benefits:

- **Practical Application:** The hands-on lab sessions provide students with a practical understanding of software development, reinforcing theoretical concepts learned in the classroom.
- **Industry Readiness:** Graduates of the course are well-prepared to enter the workforce, equipped with practical skills that are directly applicable to software development roles.
- **Project Portfolio:** Students graduate with a portfolio of projects developed during the course, showcasing their abilities to potential employers.
- **Collaborative Learning:** The course promotes collaborative learning through group projects, encouraging students to work in teams and develop effective communication and teamwork skills.

Impact:

- **Career Opportunities:** Graduates of the "Integrated Software Development" course are prepared to pursue careers as software developers, application programmers, or related roles in the IT industry.
- **Industry Collaboration:** The course enhances the college's collaboration with the software development industry, as students are trained in technologies and practices currently in use.
- **Alumni Success:** Positive outcomes and success stories from alumni who have completed the course contribute to the college's reputation and attract prospective students.
- **Continuous Improvement:** Feedback from students and industry partners is incorporated into the course structure, ensuring that it remains up-to-date and aligned with evolving industry needs.




HEAD
DEPARTMENT OF COMPUTER SCIENCE
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)

Shri Swami Vivekanand Shikshan Sanstha's
**VIVEKANAND COLLEGE(AUTONOMOUS),
KOLHAPUR**

DEPT. OF COMPUTER SCIENCE

ADD ON COURSE

INTEGRATED SOFTWARE DEVELOPMENT

Eligibility – XIIth Pass

Course Description

- Develops skills to create server-side scripts using PHP.
- Introduces server-side programming concepts and terminology. Explores a variety of server-side techniques and MySQL database manipulation.
- Covers the installation of PHP and MySQL. Uses the current versions of HTML and CSS..

Intended Outcomes for the course

Upon successful completion students should be able to:

1. Write PHP code to produce outcomes and solve problems.
2. Display and insert data using PHP and MySQL.
3. Test, debug, and deploy web pages containing PHP and MySQL.



INTEGRATED SOFTWARE DEVELOPMENT SYLLABUS

MODULE 1 - Fundamentals [10]

HTML, Basic Tags, Form Tag, Basics of web page designing

MODULE 2 - CSS, Java Script [10]

CSS Introduction, Types of CSS, Syntax, CSS Design, JS Introduction, JS Syntax, JS Statements, Data Types, Functions, Objects, Events.

MODULE 3 - AJAX and JQuery [15]

AJAX Introduction, Request, Response, AJAX PHP, JQuery Introduction, Syntax, JQuery Events, JQuery Effects, JQuery HTML.

MODULE 4 - PHP [15]

Introduction to PHP, PHP Fundamentals, PHP Forms, PHP file handling, Session, Cookies, Error Handling, Database connections.

MODULE 5 - MySQL [10]

MySQL Database introduction, SQL Statements, Functions, Procedures, Cursors and Triggers.

MODULE 6 - Report Generation and Project Implementation [10]

Introduction to Web Hosting, Domain registration, CPanel, FTP.

MODULE 7- Applicability to Industry Project [10]

Project Scope, Introduction to Software architecture-MVC, Implementing Web Services.



“ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षणप्रसार”

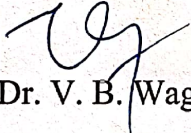
- शिक्षण महर्षी डॉ. बापुजी साळुंखे

Vivekanand College (Autonomous), Kolhapur
Department of Computer Science

Date – 01/08/2019

Notice

All the third year students of B.Sc. (Computer Science), B.Sc. (Computer Science Entire) and BCA are hereby informed that Department of Computer Science, Vivekanand College, Kolhapur has introduced an Add-on Course entitled “Integrated Software Development” for the academic year 2019-20. The said course will help to all final year students to fulfill their academic final year projects. Interested students can contact and enroll for the course at Department of Computer Science on or before 25/08/2019.


Dr. V. B. Waghmare

HEAD
DEPARTMENT OF COMPUTER SCIENCE
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)

Copy to:

1. Head, Department of BCA
2. Head, Department of B.Sc. (CS Entire)



VIVEKANAND COLLEGE, KOLHAPUR(Autonomous)

Dept. of Computer Science

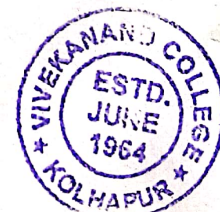
Add on Course in Computer Science

Course Name: Integrated Software Development Course (2019-20)

Course Duration: 6 Months

Student List

Roll No	Surname	First Name	Middle Name
8269	PATIL	PRANALI	RAJENDRA
8270	PATIL	NISHIGANDHA	NIVASRAO
8271	MATIGITA	KENTIA	ISHIMWE
8272	PATHAN	PARVEJ	DASTGIR
8273	KHULAPE		GAJANAN
8274	KUMBHAR	NAMRATA	ASHOK
8275	VARDHAMANE	SALONI	SHANTINATH
8276	PATIL	TRUPTI	MILIND
8277	MOHAN	PATIL	PALLAVI
8278	YADAV	NISHIGANDHA	NAMDEV
8279	PATIL	SAYALI	SARDAR
8280	KRISHNAT	NIGAVE	SHUBHAM
8281	PATIL	DHANASHRI	BABURAO
8282	VILAS	MOHITE	NIKHIL
8283	SHABBIR	USTAD	ANJUM
8284	CHAVAN	NEHA	MUKUND
8285	MOTLANI	HEENA	IQBAL
8286	DAREKAR	AMRUTA	PANDURANG
8287	GHEWARI	SHIWANI	SURESH
8288	JADHAV	VHINITA	DHANANJAY
8289	BHAT	SHRUTI	SUBHASH
8290	ANANDA	PATIL	SIDDHANT
8291	ALAVEKAR	SHWETA	ASHOK
8292	NAIK	PRIYANKA	RANGRAO
8293	PATIL	SAMRUDHI	LAXMAN
8294	DILIP	MUNISHWAR	SOHAM
8295	MORE	SWAPNALI	SAMBHAJI
8296	KAMBLE	VINAYAK	MADHUKAR
8297	VIBHUTE	GAURAV	ASHOK



8298	DANGARE	ASMITA	SHASHIKANT
8299	MALI	SOMNATH	BABAN
8300	DESAI	SUHEL	ABDUL
8301	PATIL	SAURABH	ANANDARAO
8302	MOHITE	HARSHADA	TANAJI
8303	PATIL	SONAL	SHAHAJI
8304	MORE	ADITYA	VIJAYRAO
8305	PETARE	PARAG	SANJAY



“ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षणप्रसार”

- शिक्षण महर्षी डॉ. बापुजी साळुंके

Vivekanand College (Autonomous), Kolhapur

Department of Computer Science


Course Name: Integrated Software Development Course

Course Duration: 6 Months (1 September 2019 to 31 March 2020)

Time Table

Sr.No.	Day	Time	Theory/Practical	Name of the Subject Expert
1	Monday	11.00 am to 1.30 pm	Theory	Mr. I. K. Mujawar
		2.00 pm to 5.00pm	Practical	
2	Tuesday	11.00 am to 1.30 pm	Theory	Dr. V. B. Waghmare
		2.00 pm to 5.00pm	Practical	
3	Wednesday	2.00pm to 5.00pm	Practical	Mrs. R. Y. Patil
4	Thursday	2.00pm to 5.00pm	Practical	Mr. I. K. Mujawar




Dr. V. B. Waghmare

HEAD
DEPARTMENT OF COMPUTER SCIENCE
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)

