

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.



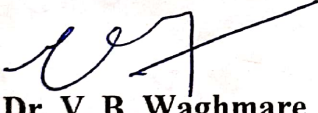
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Department of Computer Science

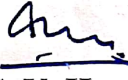
Ref: 918 - 2018-19

Date: 31.7.2018

NOTICE

All the last year students from **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**" from the academic year 2018-19. The said course will help to all final year students to fulfill their Project tasks. Interested students can contact to the Department of Computer Science on or before **05/08/2018**.


Dr. V. B. Waghmare
Co-ordinator
Dept. of Computer Science
Vivekanand College, Kolhapur


Dr. S. Y. Hongekar
Principal
Vivekanand College
Kolhapur

Copy to:

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




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

College : VIVEKANAND COLLEGE, KOLHAPUR
Name of the Course : Integrated Software Development Course
Duration : 6th Month's

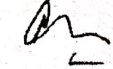
14 AUGUST-2018 TO 28 FEBRUARY- 2019

Sr No	Roll No.	Name of student	Mother's Name
1	1	BHADEKAR VAIBHAVI SANCHIT	SUMAN
2	2	BHANDWALK VISHWANATH ARJUN	SHEVANTA
3	3	BHOSALE SWAPNALI SANJAY	SANGITA
4	4	BHOSALE YASHRAJ BALKRISHNA	REKHA
5	5	DESAI SHIVANJALI SHIVAJI	SARIKA
6	6	DHOKARE SARSWATI MAHADEV	MANISHA
7	7	DHOKARE SHEETAL MAHADEV	MANISHA
8	8	GOLIWADEKAR MRUDULA GURUNATH	PADMAJA
9	9	GURAV ANIKET JAYSING	ANITA
10	10	HORAMBE SHUBHAM PRADIP	PRAGATI
11	11	JIRAGE SAMPADA DHARMPAL	RAJASHRI
12	12	KASHID SOURABHI HINDURAO	VRUSHALI
13	13	KULKARNI APURV VISHAWAMBHAR	VIDYA
14	14	KULKARNI SHRADDHA MAHESH	MEGHANA
15	15	METHE PRANALI RAVIRAJ	SWATI
16	16	NAVALE ASHARANI MAHABALESHWAR	MAMATA
17	17	PATIL GAURI PRAKASH	MANISHA
18	18	PATIL HARSHAD DAULAT	MADHURI
19	19	PATIL POOJA PRAKASHI	PADAMAJA
20	20	POTDAR PRANAV PRAFULL	GOUTAMI
21	21	POWAR VAIBHAV RAJARAM	SUREKHA
22	22	PUREKAR SWARAJ ANIL	SARITA
23	23	REDEKAR YOGITA MURLIDHAR	SANGITA
24	24	RUIKAR RUSHIKESH ANAND	KALPANA
25	25	SATPUTE AKASH ADINATHI	SANGEETA
26	26	SHENDE ROHINI RAVINDRA	SANGITA
27	27	SATHE AJAY KIRAN	LATA
28	28	PATIL RATAN VIJAYSING	JYOTI
		Grand Total Rs.	

In Word Rupees: Fifty Six Thousand Only


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Head
Dept. of Computer Science
Vivekanand College, Kolhapur




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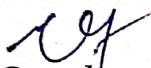
College : VIVEKANAND COLLEGE, KOLHAPUR

Name of the Course : Integrated Software Development Course


Duration : 14 August 2018 to 28 February, 2019 (6th Month's)

Time-table

Sr. No	Day	Time	Subject	Theory/Practical	Name of the subject Expert	Qualification
1	Monday	11.00 to 1.30	Computer Science	Theory	Mr. I. K. MUJAWAR	M.C.M.,M.C.A., NET
		2.00 to 05.00		Practical		
2	Tuesday	11.00 to 1.30	Computer Science	Theory	Dr. V. B. Waghmare	M.Sc.,Ph.D.(Computer Sci.)
		2.00 to 05.00		Practical		
3	Wednesday	2.00 to 5.00	Computer Science	Practical	Mrs R. Y. Patil	M.Sc. Computer Sci.
4	Thursday	2.00 to 5.00	Computer Science	Practical	Mr. I. K. MUJAWAR	M.C.M.,M.C.A., NET


Co-ordinator




Principal
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Vivekanand College
Kolhapur