



CARMEL VIDYA BHAVAN TRUST'S
CHRIST COLLEGE-PUNE
(Affiliated to Savitribai Phule Pune University)

CRITERIA I

Curricular Aspects

1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc(Where the students of the institution have enrolled and successfully completed during the last five years)

**LEARNING
OUTCOMES**

NOTICE

SYLLABUS

**BROCHURES,
NOTICES,
MODULES
& OUTCOMES**



CARMEL VIDYA BHAVAN TRUST'S
CHRIST COLLEGE-PUNE
(Affiliated to Savitribai Phule Pune University)
Accredited by NAAC with 'B+' Grade

1.2 ACADEMIC FLEXIBILITY

1.2.1 Outcomes/Brochure/Notice/ Modules (2018-19)



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Sr. No	Title
1.	Objective and Outcomes
2.	Android Development <ul style="list-style-type: none">• Brochure• Notice• Module
3.	Web Designing <ul style="list-style-type: none">• Brochure• Notice• Module
4.	Advance Excel <ul style="list-style-type: none">• Brochure• Notice• Module
5.	Angular Js <ul style="list-style-type: none">• Brochure• Notice• Module
6.	Know Human Rights <ul style="list-style-type: none">• Brochure• Notice• Module

7.	Fundamentals of Cyber Security <ul style="list-style-type: none"> • Brochure • Notice • Module
8.	Tally <ul style="list-style-type: none"> • Brochure • Notice • Module
9.	German <ul style="list-style-type: none"> • Brochure • Notice • Module





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Course Objectives & Course Outcomes

Year 2018 - 19			
Sr.NO	Name of Certificate/ Value added Add on course offered	Course Objectives	Course Outcome
1	Android Development	Creating robust mobile applications and learn how to integrate them with other services.	Build enterprise level mobile applications on Android.Install and configure Android Studio
		Creating intuitive, reliable mobile apps using the android services and components.	Explain and use key Android programming concepts Deploy the application on Google Play
		Create a seamless user interface that works with different mobile screens.	Become a certified Android developer
2	Web Designing	Students will gain the skills and project-based experience needed for entry into web design and development careers.	Students will discover how does web works really, what makes web sites work.
		Students will be able to use a variety of strategies and tools to create websites.	Simple and impressive design techniques, from basics till advanced to focus on goal oriented and user centric designs.
		Students will develop awareness and appreciation of the ways that people access the web and will be able to create standards-based websites that are accessible and usable by a full spectrum of users.	Pro level skills in SEO with keyword research and content strategy for your website. To create web elements like buttons, banners & Bars and of course complete UI designs.

3	Advance Excel	The Advanced Excel course shows you how to work with databases in Microsoft Excel using filtering, sorting and subtotals.	Record repetitive tasks by creating Macros .Use Hyperlinks to move around worksheets.
		Students will get experienced in designing and modifying spreadsheets, can write formulas and have worked with IF and VLOOKUP functions, in Advance Excel.	Use Consolidation to summarise and report results from multiple worksheets
4	Angular Js	Reduce the amount of code you write to build rich user interface applications.Providing two way binding of data	Build native mobile apps for Android, iOS and using Angular Js .Implement Single page application(SPA)
		Increase the reliability and maintainability of UI by using data binding.Create Single Page Applications (SPA).	Understand the fundamentals of Angular Forms and its architecture
		Retrieve data from back-end server, manipulate it and display it with ease.Modularise your code with the custom services and directives.	Present data in beautiful, interactive lists.Build forms and setting pages.
5	Know Human Rights	To strengthen respect for human rights and fundamental freedoms.To promote respect, understanding and appreciation of diversity	Demonstrate a good understanding of the provisions under the Constitution of India dealing with human rights.
		To promote democracy, development, Social Justice, Communal harmony, Solidarity and Friendship among people and nations	Display a good understanding of the nature and scope of special legislations dealing with protection of human rights of marginalized and vulnerable sections.
		To develop attitudes and behaviors that will lead to respect for the rights of others.	Demonstrate a good understanding of the practical application of human rights law to specific human rights problems in India.

6	Fundamental of Cyber Security	Students can exhibit knowledge to secure corrupted systems, protect personal data, and secure computer networks in an Organization.	Analyze and evaluate the cyber security needs of an organization.Design and develop a security architecture for an organization.
		Practice with an expertise in academics to design and implement security solutions.Develop cyber security strategies and policies	Determine and analyze software vulnerabilities and security solutions to reduce the risk of exploitation. Measure the performance and troubleshoot cyber security systems.
7	TALLY	Students will learn to Basics of Accountancy, its principles, concepts, conventions, recording procedures, Bank reconciliation, final accounts etc.	After successfully qualifying practical examination, students will be awarded certificate to work with well-known accounting software i.e. Tally ERP.9
		To make students capable to create company, enter accounting voucher entries including advance voucher entries, reconcile bank statement and also print financial statements, etc.	Student by their own will create company, enter accounting voucher entries including advance voucher entries, reconcile bank statements, do accrual adjustments, and also print financial statements, etc.
		Accounting with Tally certificate course is not just theoretical program, but it also includes continuous practice, to make students ready for employability in the job market.	Students will possess required skill and can also be employed as Tally data entry operator.
8	GERMAN	An elementary level course designed to help students acquire basic proficiency in communication within culturally significant contexts.	Students will demonstrate their ability to recognize, identify, extract andkey information conveyed in spoken announcements, instructions, audiovisual material and in interactions between native speakers on familiar topics.
		An integrated approach to teaching language skills with emphasis on vocabulary acquisition and basic grammatical structures.	Students will also be able to prepare and perform sustained monologues describing familiar experiences, taking a position in a debate, and/or describing technical systems.



Dr(Fr) Sony Chundattu,CMI
(Principal/Director)

ANDROID DEVELOPMENT





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Wadgaon Sheri, Pune, Maharashtra 411014 contact: +91 9823888322 / +91 9637115409

2018 - 2019

Registration Date - 31th July 2018

Starting date - 2th aug 2018

DEPARTMENT OF SCIENCE



Registration Date -
31 July 2018

Commencement Date -
2 Aug 2018

ANDRIOD DEVELOPMENT



CARMEL VIDYA BHAVAN TRUST'S
CHRIST COLLEGE - PUNE

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ID-No. PU/PN/ASC/269/2007, College Code-829

26/4A, Sainikwadi, Vadgaon Sheri, Pune 411 014.

Accredited by NAAC with 'B+' Grade

Ref. No. CCP/

Date: 23rd July 2018

Department of Science

Notice

All the Students are here by informed that **Android Development** Course registration is started and the last date of registration is 31st July 2018.

Ms. NILIMA SHINGATE

(HOD)





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ID-No. PU/PN/ASC/269/2007, College Code-829

26/4A, Sainikwadi, Vadgaon Sheri, Pune 411 014.

Accredited by NAAC with 'B+' Grade

Ref. No. CCP/

Date: 29th July 2018

Department of Science

Notice

All Students registered for the “**Android Development**” are hereby informed that classes for the same will be held from 2nd August 2018 on wards at 3.30 pm to 4.30pm

Ms. NILIMA SHINGATE

(HOD)



Android Development Syllabus

Basics of Android

What is Android
History and Version
Installing softwares
Setup Eclipse
Hello Android example
Internal Details
Dalvik VM
Software Stack
Android Core Building Blocks
Android Emulator
AndroidManifest.xml
R.java file
Hide Title Bar
Screen Orientation

UI Widgets

Working with Button
Toast
Custom Toast
Button
Toggle Button
Switch Button
Image Button
CheckBox
AlertDialog
Spinner
AutoCompleteTextView
RatingBar
DatePicker
TimePicker
ProgressBar
Quick Contact Budge
Analog Clock and Digital Clock



Working with hardware Button

File Download

Activity, Intent & Fragment

Activity Lifecycle

Activity Example

Implicit Intent

Explicit Intent

Fragment Lifecycle

Fragment Example

Dynamic Fragment

Android Menu

Option Menu

Context Menu

Popup Menu

Layout Manager

Relative Layout

Linear Layout

Table Layout

Grid Layout

Adaptor

Array Adaptor

ArrayList Adaptor

Base Adaptor

View

GridView

WebView

ScrollView

SearchView

TabHost

DynamicListView

ExpandedListView



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2018 - 2019

DEPARTMENT OF SCIENCE



Registration Date -
31 July 2018

Commencement Date -
6 Aug 2018



WEB DESIGNING



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ID-No. PU/PN/ASC/269/2007, College Code-829

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Accredited by NAAC with 'B+' Grade

Ref. No. CCP/

Date: 23rd July 2018

Department of Science

Notice

All the Students are here by informed that **Web Designing** Course registration is started and the last date of registration is 31st July 2018.

Ms. NILIMA SHINGATE

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Ref. No. CCP/

Date: 04 / 08 / 2018

Department of Science

NOTICE

All students registered for the “**Web Designing**” are hereby informed that classes for the same will be held from 6th August 2018 onwards at 1:30 pm to 3:30 pm

Ms. NILIMA SHINGATE
(HOD)



Web Designing Syllabus

Photoshop

Basic in Photoshop
Tools in Photoshop
Simple templates design
menu in Photoshop
different navigation bar
image effects
Design your portfolio page
Design a high end web designing
from scratch
Design a cool Photography
Portfolio
Unique Desktop Layout

HTML

HTML Introduction
HTML Editors
HTML Basic

HTML Attributes
HTML Headings
HTML Paragraphs
HTML Formatting
HTML Links
HTML Head
HTML CSS
HTML Images
HTML Tables
HTML Lists
HTML Blocks
HTML Layout
HTML Forms
HTML Iframes
HTML Colors
HTML Colornames
HTML Colorvalues
HTML JavaScript
HTML Entities
HTML URL Encode
HTML Quick List



HTML Summary

HTML XHTML

HTML5

HTML5 Intro

HTML5 New Elements

HTML5 Canvas

HTML5 SVG

HTML5 Drag/Drop

HTML5 Geolocation

HTML5 Video

HTML5 Audio

HTML5 Input Types

HTML5 Form Elements

HTML5 Form Attributes

HTML5 Semantic

HTML5 Web Storage

HTML5 App Cache

HTML5 Web Workers

HTML5 SSE

CSS

CSS Basic

CSS HOME



CSS Introduction

CSS Syntax

CSS Id & Class

CSS How To

CSS Backgrounds

CSS Text

CSS Fonts

CSS Links

CSS Lists

CSS Tables

CSS Box Model

CSS Box Model

CSS Border

CSS Outline

CSS Margin

CSS Padding

CSS Advanced

CSS Grouping/Nesting

CSS Dimension

CSS Display

CSS Positioning

CSS Floating

CSS Align

CSS Pseudo-class

CSS Pseudo-element

CSS Navigation Bar

CSS Image Gallery

CSS Image Opacity

CSS Image Sprites

CSS Media Types

CSS Attr Selectors

CSS3 Introduction

CSS3 Borders

CSS3 Backgrounds

CSS3 Gradients

CSS3 Text Effects

CSS3 Fonts

CSS3 2D Transforms

CSS3 3D Transforms

CSS3 Transitions

CSS3 Animations

CSS3 Multiple Columns

JavaScript introduction

What is JavaScript

Understanding Events

JavaScript Example

External JavaScript

Comment

Variable

Global Variable

Data Types

operators

If Statement

Switch

Loop: for and while

Function

JavaScript Objects

JavaScript objects

JavaScript Array

Browser Object Model

Browser Objects

Window Object

Document Object

getElementById

getElementsByName

getElementsByTagName



innerHTML property

inner Text property

JavaScript Validation

form validation

email validation





ADVANCE EXCEL





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2018 - 2019

DEPARTMENT OF SCIENCE



Registration Date -
31 July 2018



Commencement Date -
7 Aug 2018



ADVANCE EXCEL



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ID-No. PU/PN/ASC/269/2007, College Code-829

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Accredited by NAAC with 'B+' Grade

Ref. No. CCP/

Date: 23rd July 2018

Department of Science

Notice

All the Students are here by informed that **Advance Excel** Course registration is started and the last date of registration is 31st July 2018.

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Accredited by NAAC with 'B+' Grade

Ref. No. CCP/

Date: 3rd August 2018

Department of Science

Notice

All Students registered for the "Advance Excel" are hereby informed that classes for the same will be held from 07th August 2018 onwards at 1.30 pm to 2.30pm.

Ms. NILIMA SHINGATE

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ADVANCED EXCEL SYLLABUS

Advanced Excel Course - Overview of the Basics of Excel

- ~ Customizing common options in Excel
- ~ Absolute and relative cells
- ~ Protecting and un-protecting worksheets and cells

Advanced Excel Course - Working with Functions

- ~ Writing conditional expressions (using IF)
- ~ Using logical functions (AND, OR, NOT)
- ~ Using lookup and reference functions (VLOOKUP, HLOOKUP, MATCH, INDEX)
- ~ VlookUP with Exact Match, Approximate Match
- ~ Nested VlookUP with Exact Match
- ~ VlookUP with Tables, Dynamic Ranges
- ~ Nested VlookUP with Exact Match
- ~ Using VLookUP to consolidate Data from Multiple Sheets

Advanced Excel Course - Data Validations

- ~ Specifying a valid range of values for a cell
- ~ Specifying a list of valid values for a cell
- ~ Specifying custom validations based on formula for a cell

Advanced Excel Course - Working with Templates

- ~ Designing the structure of a template
- ~ Using templates for standardization of worksheets

Advanced Excel Course - Sorting and Filtering Data

- ~ Sorting tables
- ~ Using multiple-level sorting
- ~ Using custom sorting
- ~ Filtering data for selected view (AutoFilter)
- ~ Using advanced filter options

Advanced Excel Course - Working with Reports

- ~ Creating subtotals
- ~ Multiple-level subtotals
- ~ Creating Pivot tables
- ~ Formatting and customizing Pivot tables
- ~ Using advanced options of Pivot tables
- ~ Pivot charts
- ~ Consolidating data from multiple sheets and files using Pivot tables
- ~ Using external data sources
- ~ Using data consolidation feature to consolidate data



- ~ Show Value As (% of Row, % of Column, Running Total, Compare with Specific Field)
- ~ Viewing Subtotal under Pivot
- ~ Creating Slicers (Version 2010 & Above)

Advanced Excel Course - More Functions

- ~ Date and time functions
- ~ Text functions
- ~ Database functions
- ~ Power Functions (CountIf, CountIFS, SumIF, SumIFS)

Advanced Excel Course - Formatting

- ~ Using auto formatting option for worksheets
- ~ Using conditional formatting option for rows, columns and cells

Advanced Excel Course - Macros

- ~ Relative & Absolute Macros
- ~ Editing Macro's

Advanced Excel Course - WhatIf Analysis

- ~ Goal Seek
- ~ Data Tables
- ~ Scenario Manager

Advanced Excel Course - Charts

- ~ Using Charts
- ~ Formatting Charts
- ~ Using 3D Graphs
- ~ Using Bar and Line Chart together
- ~ Using Secondary Axis in Graphs
- ~ Sharing Charts with PowerPoint / MS Word, Dynamically
- ~ (Data Modified in Excel, Chart would automatically get updated)

Advanced Excel Course - New Features Of Excel

- ~ Sparklines, Inline Charts, data Charts
- ~ Overview of all the new features

Advanced Excel Course - Final Assignment

- ~ The Final Assignment would test contains questions to be solved at the end of the Course



The background of the cover is a deep blue. It features a blurred image of a computer keyboard in the lower right corner. Overlaid on the entire background are numerous thin, glowing blue lines that swirl and curve, creating a sense of motion and digital connectivity. Faint, semi-transparent binary code (0s and 1s) is scattered across the upper right portion of the image.

ANGULAR JS



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2018 - 2019

DEPARTMENT OF SCIENCE

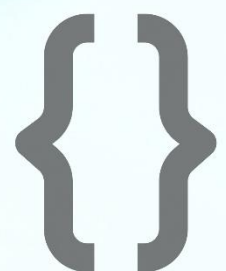


Registration Date -
31 July 2018

Commencement Date -
6 Sept 2018



ANGULAR JS





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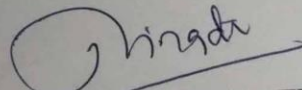
Ref. No. CCP/

Date: 23rd July 2018

Department of Science

Notice

All the Students are here by informed that **Angular JS** Course registration is started and the last date of registration is 31st July 2018.


Ms. NILIMA SHINGATE
(HOD)



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Ref. No. CCP/

Date: 03 / 09 / 2018

Department of Science

NOTICE

All students registered for the “**Angular JS**” are hereby informed that classes for the same will be held from 6th September 2018 onwards at 1:30 pm to 3:30 pm

Ms. NILIMA SHINGATE
(HOD)



ANGULAR JS SYLLABUS

- **1. Overview of AngularJS**
 - 1.1 AngularJS architecture overview
 - 1.2 The Angular Batarang
 - 1.3 Using Karma
 - 1.4 Get Setup
 - 1.5 Angular Seed Tour
 - 1.6 Build: Hello World
 - ☐ Bind tweet to input
 - ☐ Disable button, if tweet is empty
 - ☐ Character count binding
- **2. Data Binding**
 - 2.1 Wiring up a controller
 - 2.2 Binding
 - 2.3 Iteration
 - 2.4 Filters
 - 2.5 Forms binding and validation
 - 2.6 Build: A two-way bound form with validation
 - ☐ Post: add tweet to list
 - ☐ Show error validation message (tweet too long)
 - ☐ Search filter by tag/username/text
- **3. Services and DI**
 - 3.1 Overview of the built-in AngularJS services
 - 3.2 Using angular's \$http and \$resource services
 - 3.3 Promises
 - 3.4 Service registration and injection
 - 3.5 Using services to build a service
 - 3.6 Injecting services
 - 3.7 Build: Create a twitter search service
 - ☐ Submit simple search
 - ☐ Set result size
 - ☐ Create a paging stream (with promises)
 - ☐ Pass tests
- **4. Templates and Routing**
 - 4.1 Linking and images
 - 4.2 The routing API
 - 4.3 PushState, hasbangs and SEO
 - 4.4 Build: Using templates with iteration



- ☐ Create a template for each tweet in the list
- 4.5 Build: Using templates and routing for master/details navigation
 - ☐ Create a details page for a tweet
- 5. Directives
 - 5.1 Simple directives
 - 5.2 Using templates
 - 5.3 Working with controllers
 - 5.4 Transclusion
 - 5.5 Directive scope and isolate scope
 - 5.6 Build: Tweet Directive
 - ☐ Add a timer that updates tweet time continuously
 - ☐ Add a marquee news ticker that can accept data from the incoming tweets
 - ☐ Bonus: Use D3 to create a chart of something
- 6. Advanced Topics
 - 7.1 How to avoid polluting the global namespace
 - 7.2 Using modules
 - 7.3 Some AngularJS best practices
 - 7.4 Using \$watch, \$digest, \$apply
 - 7.5 AngularJS events
 - 7.5.1 Routing lifecycle events
 - 7.6 Route Resolving





KNOW HUMAN RIGHTS



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2018 - 2019

DEPARTMENT OF SCIENCE AND COMMERCE

Registration Date -
31 July 2018

Commencement Date -
10 Aug 2018



KNOW HUMAN RIGHTS



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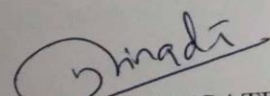
Ref. No. CCP/

Date: 23rd July 2018

Department of Science

Notice

All the Students are here by informed that **Know Human Rights Course** registration is started and the last date of registration is 31st July 2018.


Ms. NILIMA SHINGATE
(HOD)



The syllabus

Course I

Introduction to Human Rights and Duties

Credit: 1

- I) **Basic Concept**
 - a) Human Values- Dignity , Liberty, Equality , Justice, Unity in Diversity, Ethics and Morals
 - b) Meaning and significance of Human Rights Education
- II) **Perspectives of Rights and Duties**
 - a) Rights: Inherent-Inalienable-Universal- Individual and Groups
 - b) Nature and concept of Duties
 - c) Interrelationship of Rights and Duties
- III) **Introduction to Terminology of Various Legal Instruments**
 - a) Meaning of Legal Instrument- Binding Nature
 - b) Types of Instruments: Covenant-Charter-Declaration-Treaty-Convention-Protocol-Executive Orders and Statutes
- IV) **United Nations And Human Rights**
 - a) Brief History of Human Rights- International and National Perspectives
 - b) Provision of the charters of United Nations
 - c) Universal Declaration of Human Rights- Significance-Preamble
 - d) Civil and Political Rights-(Art. 1-21)
 - e) Economic, Social and Cultural Rights-(Art.22-28)
 - f) Duties and Limitations-(Art. 29)
 - g) Final Provision (Art. 30)



Course II

Human rights of vulnerable and disadvantaged groups

Credit: 1

I) General Introduction

- a) Meaning and Concept of Vulnerable and Disadvantaged
- b) Groups, Customary, Socio-Economic and Cultural Problems of
- c) Vulnerable and Disadvantaged Groups

II) Social status of women and children in International and national perspective

- a) Human Rights and Women's Rights –International and National Standards
- b) Human Rights of Children-International and National Standards

III) Status of Social and Economically Disadvantaged people

- a) Status of Indigenous People and the Role of the UN
- b) Status of SC/ST and Other Indigenous People in the Indian Scenario
- c) Human Rights of Aged and Disabled
- d) The Minorities and Human Rights

IV) Human rights of vulnerable groups

- a) Stateless Persons
- b) Sex Workers
- c) Migrant Workers
- d) HIV/AIDS Victims



Course III

Human Rights and Duties in India: Law, Policy, Society and Enforcement

Mechanism

Credit: 1

I. Human Rights in Indian Context

- a) Indian Bill of Rights And Sarvodaya
- b) Preamble- Fundamental Rights- Directive Principles-Fundamental Duties

II. Human Rights- Enforcement Mechanism

- a) Human Rights Act, 1993
- b) Judicial Organs- Supreme Court (Art 32) And High Courts(Art 226)
- c) Human Rights Commission- National and State of Maharashtra
- d) Commission of Women, children , Minority, SC/ST
- e) Survey of International Mechanism

III. Human Rights Violations and Indian Polity

- a) Inequalities in society-population-illiteracy-poverty-caste-inaccessibility of legal redress
- b) Abuse of Executive Power-Corruption-Nepotism and favoritism
- c) Human Rights and Good Governance
- d)

IV. Role of Advocacy Groups

- a) Professional Bodies: Press, Media, Role of Lawyers-Legal Aid
- b) Educational Institutions
- c) Role of Corporate Sector
- d) NGO's



Topics

1. Introduction, Psychology, Usability, Thinking like a Hacker
2. CIA Triad, Security Terminologies, Security Protocols
3. Security Policies and Management, Multilevel and multilateral Policies, Security Mechanisms
4. Security Design Principles, Threat Analysis and Risk Assessment, Securing a System
5. Cryptography, Basic Techniques, Digital Signatures, Cryptanalysis
6. Software Security, Low-level attacks, Code Review and Testing, Defenses
7. Fall-Break, Student Project Idea Discussion
8. Network Security, Vulnerabilities, Attacks, Defenses
9. Internet and Smartphone Security, Anonymous vs Secure Browsing
10. Information Economics, Economics of Security, Physical Protection, Biometrics
11. Banking Security, Cyber Forensics, Cyber Warfare, Surveillance and Privacy
12. Incident Response and Mitigation, Business Continuity, Legal issues and Ethics



The image features a person in a dark hoodie holding a laptop, which is the central focus. The background is a complex digital collage. It includes faint, semi-transparent Java code snippets such as 'static void main', '2y=AX;', 'e (X>3,14)', 'System.out', 'i++;', 'println(",', 'return get', 'se', 'getN', 'ne', 'e (S', 'in', 'e', 'tNumber()', 'return sc.next', 'ic static double getN', 'Scanner sc = new', 'System.out.prin', 's Test', 'public static void', 'int 2y=AX;', 'while (x>2010)', and 'System.out'. There are also floating red triangles and hexagonal patterns. Several hexagons contain a white padlock icon with a keyhole. Numerical values like '1024.256', '256.640', and '564.225' are scattered throughout. The overall color palette is dominated by deep blues, purples, and reds, creating a high-tech, cybernetic atmosphere.

FUNDAMENTALS OF SECURITY



CARMEL VIDYA BHAVAN TRUST'S

CHRIST COLLEGE - PUNE

Affiliated to Savitribai Phule Pune University

Accredited by NAAC with B+ Grade

26/4 A, Off Pune Nagar Road opposite weikfield IT Citi Info Park
Wadgaon Sheri, Pune, Maharashtra 411014 contact: +91 9823888322 / +91 9637115409

2018 - 2019

DEPARTMENT OF SCIENCE AND COMMERCE



Registration Date -
31 July 2018

Commencement Date -
11 Aug 2018

FUNDAMENTAL OF CYBER SECURITY



CARMEL VIDYA BHAVAN TRUST'S
CHRIST COLLEGE - PUNE

(Affiliated to the Savitribai Phule Pune University)

ID-No. PU/PN/ASC/269/2007, College Code-829

26/4A, Sainikwadi, Vadgaon Sheri, Pune 411 014.

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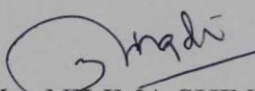
Ref. No. CCP/

Date: 23rd July 2018

Department of Science

Notice

All the Students are here by informed that **Fundamental of Cyber Security** Course registration is started and the last date of registration is 31st July 2018.


Ms. NILIMA SHINGATE
(HOD)





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Ref. No. CCP/

Date: 08 / 08 / 2018

Department of Science

NOTICE

All students registered for the “**Fundamentals of Cyber Security**” are hereby informed that classes for the same will be held from 11th August 2018 onwards at 1:30 pm to 3:30 pm

Ms. NILIMA SHINGATE
(HOD)



Course Syllabus	EECS 4980 – Fundamentals of Cybersecurity
Credits & Contact Hours	3 credit hours & 150 minutes lecture contact hours per week
Coordinator	Dr. Ahmad Y Javaid
Textbook(s)	<ol style="list-style-type: none"> 1. Ross Anderson, Security Engineering. 2nd Edition. John Wiley and Sons. 2008, ISBN-13: 978-0470068526, Required. 2. Charles P. Pfleeger, Security in Computing, 5th Edition, Prentice Hall, 2015, ISBN-10: 0134085043, Recommended.

Course Information	<p>This course introduces the concept of cyber security, its interdisciplinary nature and its relation to nation, businesses, society and people. Participating students would gain knowledge of various cyber security terminologies, technologies, protocols, threat analysis, security principles, security mechanisms, policies, forensics, incidence response and methods/practices to secure systems.</p>
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Prerequisites: EECS 1500 or EECS 1510

Elective Course

Specific Goals-Student Learning Objectives

Upon successful completion of the course, the students will have:

1. Reasonable understanding of the fundamentals of the cyber-security domain and related issues
2. Practical knowledge of various tools, processes and methods to ensure security of systems through a minimum of two hands-on assignments involving attack and protection in a virtual environment
3. An understanding of the inter-disciplinary nature of cyber-security domain
4. Adequate level of cross-disciplinary knowledge of design, implementation, evaluation and testing of secure protocols, systems or applications
5. Basic knowledge to be able to build bug-free systems, dependable during malice or error
6. Foundational skills for developing expertise in one or more sub-domains of cyber-security
7. Foundational skills and knowledge of impact of security on economics, legal, business, warfare and social domains
8. Effective communication skills through an in-class project along with a presentation and project report



Topics

1. Introduction, Psychology, Usability, Thinking like a Hacker
2. CIA Triad, Security Terminologies, Security Protocols
3. Security Policies and Management, Multilevel and multilateral Policies, Security Mechanisms
4. Security Design Principles, Threat Analysis and Risk Assessment, Securing a System
5. Cryptography, Basic Techniques, Digital Signatures, Cryptanalysis
6. Software Security, Low-level attacks, Code Review and Testing, Defenses
7. Fall-Break, Student Project Idea Discussion
8. Network Security, Vulnerabilities, Attacks, Defenses
9. Internet and Smartphone Security, Anonymous vs Secure Browsing
10. Information Economics, Economics of Security, Physical Protection, Biometrics
11. Banking Security, Cyber Forensics, Cyber Warfare, Surveillance and Privacy
12. Incident Response and Mitigation, Business Continuity, Legal issues and Ethics



A man in a dark suit and black shoes stands on a wooden plank floor, looking at a large wall covered in white tally marks. The tally marks are arranged in a grid pattern, with each mark consisting of four vertical lines and a diagonal line crossing them. The word "TALLY" is written in large, white, serif capital letters across the center of the image, overlaid on a semi-transparent grey rectangle.

TALLY



CARMEL VIDYA BHAVAN TRUST'S
CHRIST COLLEGE - PUNE

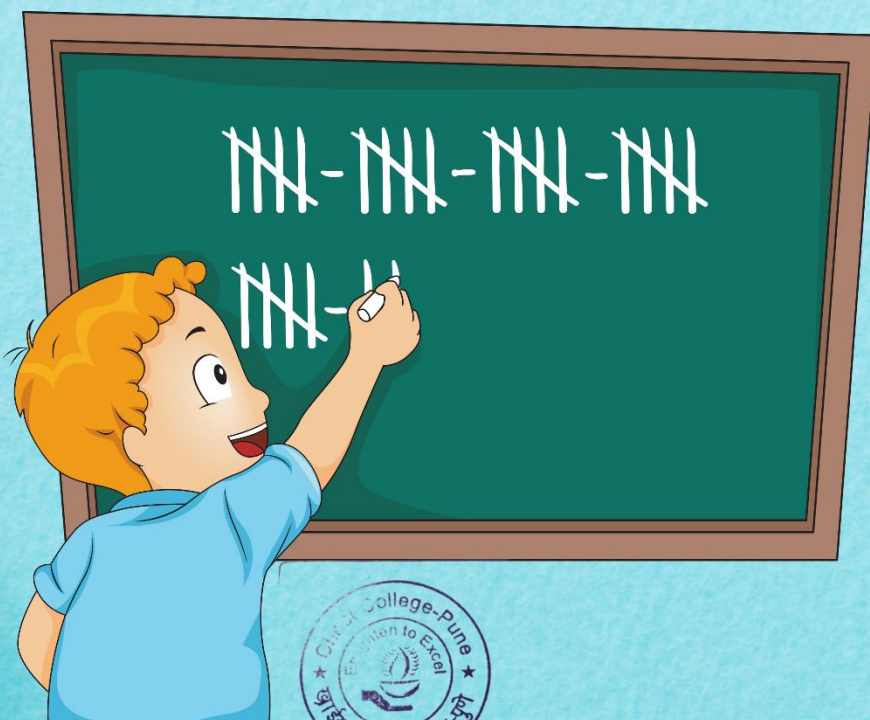
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2018 - 2019

DEPARTMENT OF COMMERCE



Registration Date -
18 June 2018

Commencement Date -
2 July 2018

TALLY



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Ref. No. CCP/

Date: 22nd June 2018

Notice

All Students registered for the "Tally" are hereby informed that classes for the same will be held from 02nd July 2018 onwards at 1.30 pm to 3.30 pm.

Mr. Gilbi John

(Co-ordinator)

Dr (Fr) Sony Chundattu, CMI

(Principal/Director)



CHRIST COLLEGE –PUNE

Subject -Tally

Syllabus subjects and objectives

Basics of Accounting in Tally

- Principles and concepts of Accounting
- Double Entry System of Accounting
- Financial Statements

Fundamentals of Tally.ERP 9

- Salient Features of Tally.ERP 9
- Key Components of Tally.ERP 9
- How to start and exit Tally.ERP 9
- Setting up a company in Tally.ERP 9
- Working with companies in Tally.ERP 9

Creating Accounting Masters in Tally.ERP 9

- The basic functions of Tally.ERP 9
- F11: Features & F12: Configurations
- Creating and Maintaining Chart of Accounts
- Entering the opening balances for Ledgers

Voucher Entry in Tally.ERP 9

- Describe the purpose of the Tally.ERP 9 Accounting Vouchers
- Create and alter Accounting Vouchers
- Use vouchers to enter Accounting transactions
- Describe the use of Non-Accounting Vouchers

Advanced Accounting in Tally.ERP 9

- Use of final statements
- Use of shortcut keys
- Finalization of accounts

Introduction to GST Application

- Introduction of GST in Tally
- Activating GST in Tally
- Basic use of GST in Tally

Introduction to MS Office Excel

- Use of worksheet for P&L and Balance sheet
- Use of worksheet to prepare ledger accounts
- Preparation of final statement and ledger accounts





GERMAN



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2018 - 2019

DEPARTMENT OF COMMERCE



Registration Date -
18 June 2018



Commencement Date -
4 July 2018

GERMAN



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Accredited by NAAC with 'B+' Grade

Ref. No. CCP/

Date: 02nd July 2018

Department of Commerce

Notice

All students registered for the “**German**” are hereby informed that classes for the same will be held from 04th July 2018 onwards at 1.30 pm to 3.30 pm.

Dr (Fr) Sony Chundattu, CMI
(Principal/Director)



GERMAN

Week 1

- Introduction to the German alphabet and pronunciation
- Basic greetings and introductions
- Talking about yourself and your family
- Numbers 1-100

Week 2

- German grammar basics: articles, nouns, and cases
- Talking about your hobbies and interests
- Ordering food and drinks
- Directions

Week 3

- German grammar basics: verbs and adjectives
- Talking about your daily routine
- Shopping
- Asking for help

Week 4

- German grammar basics: prepositions and conjunctions
- Talking about your plans and vacations
- Public transportation
- Describing places and people

Week 5

- German grammar basics: sentence structure and word order
- Talking about your work or school
- Culture and traditions
- Review of all material covered