

Odisha State Open University

Sambalpur, Odisha

PROJECT GUIDELINES FOR STUDENTS

Programmes: (DCA/PGDCA/ADCA/DWD/DAP/DCS/PGDCS/ADCS)

Course Type: Project Work

Credit: 4-Credits

Weightage for Project Report/Dissertation: 100% (**Project Report:** 75%, **Viva-Voce:** 25%)

Topics: List of project title will be suggested by the University for Project Work, Choose any one from the given below list. However you may do your project work on any other similar topics of your own.

Project Synopsis: A project synopsis need to upload in Student web portal of www.osou.ac.in ([Click Here](#)) on or before the specified date for approval of the project. Synopsis form can be downloaded from here ([Download](#)).

Approval of the Project Synopsis: It will be evaluated by an appropriate authority within a week with remark. In case the project proposal is not approved, the learner has to re-submit it within a week by incorporating the changes as suggested. The approval Letter must be attached in the appendices of the project report. All the information about the project synopsis i.e. uploading date, Approval status and Approval Letter will be available in Student portal of OSOU Site.

The Supervisor: The learner has to identify a supervisor who is a counsellor or a Lecturer in the field of Computer Science and Application or a professional with requisite qualification like MCA, M.Sc. (Comp.Sc. /IT), M. Tech (Comp. Sc. /Comp. Engg.) or Phd.

No. of copies to be submitted: Two copy of the project is to be submitted to the Study Centre duly signed by the candidate and the Supervisor. The original copy of the project report should be send to University Head Quarter through study centre for future use and another copy will be retained to the Learner.

Key Dates:

Last date of Project Synopsis upload:	30 days prior to the last date of Project report submission
Last date for the Submission of Project Report:	On or before 31th May of each Academic year

The following suggested Guidelines must be followed in preparing the project Reports

Good quality white A4 size Paper should be used for project Report

Binding Specification: Spiral Binding/Book Binding

Page Specification:

Left margin: 3.0 cm	Right margin: 2.0 cm
Top margin: 2.55 cm	Bottom margin: 2.55 cm

- **Page numbers** - All Report page should be numbered at the bottom Center of the pages.
- **Normal Body Text:** Font Size: 12, Time New Roman, justified. 6 point after and before Para spacing.
- **Paragraph heading font Size:** 14, Times New Roman, Left Aligned. 12 point after and before Para spacing.
- **Chapter Heading Font Size:** 20, Times New Roman, Centre Aligned, 30 point above and below spacing.(If required)
- **Coding Font size:** 10, Courier New, Normal.

The Project Report should include:

- One hard Copy of the Project Report
- Soft copy of Project on CD/DVD in an envelope pasted inside of the back cover of the project report
- The Project may be about **30-50 pages** (excluding coding)

FORMAT OF THE DCS/PGDCS PROJECT REPORT

<ol style="list-style-type: none"> 1. Cover page as per format 2. Declaration 3. Originality Certificate 4. Acknowledgment 5. Abstract 6. Table of Contents 	<ol style="list-style-type: none"> 7. List of Figures 8. List of Tables 9. Project Report 10. List of Abbreviations 11. List of Notations 12. Bibliography/References
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A project report on

PROJECT REPORT TITLE

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE

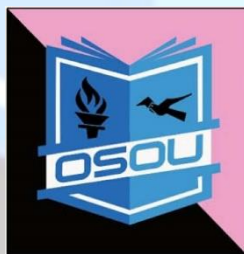
“Programme Name|”

Submitted By:

NAME OF STUDENT:
ENROLLMENT NO:

Under the Guidance of

Name:
Designation:
Qualification:



ଓଡ଼ିଶା ରାଜ୍ୟ ମୁକ୍ତ ବିଶ୍ୱବିଦ୍ୟାଳୟ, ସମ୍ବଲପୁର

Study Centre Name/Code

ଓଡ଼ିଶା ରାଜ୍ୟ ମୁକ୍ତ ବିଶ୍ୱବିଦ୍ୟାଳୟ, ସମ୍ବଲପୁର Address

Odisha State Open University
Sambalpur, Odisha

DECLARATION

I **Mr. /Ms. XXXXX XXXXX**, hereby declare that the dissertation entitled **“Title of The project”** submitted by me in partial fulfillment of the requirement of Diploma in Cyber Security is a record of my bonafide work being carried out by me under the guidance of Prof. /**Asst. Prof./Lect. XXX.XX XXXXX and Prof. XX.X XXXX, Department** of CSE, **XXXX, BBSR**, India.

The work included in this dissertation has not been submitted to any other University / Institution for award of any degree/diploma.

Date:

Mr. XXXXX XXXXX

Enrollment No. 123456789

ORIGINALITY CERTIFICATE

This is to certify that the results embodied in the dissertation entitled “**Title of the project**” submitted by “**Student Name**” bearing Enrollment number **DCS-XXX-XXXX** under Odisha State Open University is a record of bonafide work carried out by the candidate under my direct supervision and guidance.

This dissertation has reached the standards fulfilling the requirements of the regulations relating to the “**Programme Name**”, and has not been submitted previously in this University or in any other University / Institute for award of any degree/diploma, to the best of my knowledge.

Date:

(Name and Signature of the Supervisor with seal)

ACKNOWLEDGMENT

I take great pleasure & privilege in devoting my heartiest and sincere gratitude to my supervisor **prof. XXX.XX. XXXXX** for his immense support & motivation during the course of the Project Work without which this work would not have seen the light of the day.

I am very grateful to **Prof. XXXXXX XXXX** for helping me in completing my work.

I offer my sincere gratitude to my Counselor **Prof. X.X XXXXX** who has helped & encouraged me in each step for successful completion of my work.

I extend my special gratitude to my family for their co-operation and love all through.

Student Name

Enrollment No.

SUGGESTED CYBER SECURITY TOPICS/PROBLEMS FOR
DCS/PGDCS/ADCS

1. Consider that you are a user of Internet through a Public Wi-Fi Network by your mobile devices such as Mobile or a Laptop. Illustrate the Security Steps to stay safe in this Wi-Fi environment.
2. Suppose you are a cyber-security professional and engaged as a consultant for a small office. How can you detect that some one's computer is Malware infected? Mention all the possible cases. How to remove them and what are the suggestions you will provide to protect their computers?
3. What are the features and security vulnerabilities of Web Browsers? Mention procedure for the following functions using a specific web browser.
 - a) You can keep advertisers away from tracking you
 - b) You can stop your browser from automatically downloading malware.
 - c) You can block pop-ups and ads
 - d) How to avoid unsafe website
4. We use computers to pay bills, shop online, chat and even keep in touch with friends on social media platforms. You might not realize it, but this makes us vulnerable. Give a few suggestions and best practices that will keep your financial transaction secured and protected.
5. Many people all over the world rely on email for a big chunk of their communication. But in the past years, cyber criminals have hacked companies from all over the world, exposing millions of email accounts and their passwords and hence exposed to very sensitive data. So, email security is very crucial for security and privacy. So explain and show how you can secure your email account in the best possible way.
6. As a Cyber Security professional, suggest the essential security steps to prevent some one's identity theft in online activities.
7. Prepare a User Guide that helps small organizations to improve Cyber Security.
8. Suggest a security framework for a set of computers in a small office with Internet and Intranet facilities.
9. As a Cyber Security professional, suggest to enhance your Home Wireless Network Security.
10. Text Steganography Project
11. Sql Injection Prevention System PHP
12. E Authentication System Using QR Code & OTP
13. ATM Detail Security Using Image Steganography
14. Credit Card Fraud Detection
15. Remote User Recognition And Access Provision
16. Image Encryption Using Triple DES
17. Preventing Phishing Attack On Voting System Using Visual Cryptography

**SUGGESTED CYBER SECURITY TOPICS/PROBLEMS FOR
DCA/PGDCA/ADCA/DWD**

1. Voice based E-mail for the Blind
2. Bus Pass with Barcode Card scan
3. Library Management System
4. Train Ticket Reservation
5. Flight Ticket Reservation
6. College Management System
7. Employee Transport Management System
8. Project Online Paying Guest Accommodation Project in PHP
9. General Task Allocation and Auction Community System
10. Canteen Food Ordering and Management System
11. Workflow Management System for MNC
12. Secured Merchant Payment using Biometric Transaction
13. Online Personal Counselling
14. E-Visa Processing & Follow Up System
15. E Commerce for Online Medicine Shopping
16. Online Transaction Fraud Detection using Backlogging on E-Commerce Website
17. Online Secondhand Book Buying & Selling Portal
18. College E Print Service Management
19. Internet based Discussion Forum
20. Increase Productivity Using Quality Management System
21. On Road Vehicle Breakdown Assistance Finder
22. Online Faculty Staff Directory for Multi University
23. Customer Targeted E-Commerce
24. Hotel Recommendation System Based on Hybrid Recommendation Model
25. Online Health Shopping Portal With Product Recommendation
26. College Forums with Alumni Based on Content Filtering
27. Industrial Visit Planning & Booking System
28. Intelligent Tourist Guide
29. Online Pizza Ordering System
30. Personality Prediction System Through CV Analysis
31. Secure Backup Software System
32. College Social Network Project PHP

SUGGESTED CYBER SECURITY TOPICS/PROBLEMS FOR Diploma in Android Programming

1. Android Based Self Attendance System Using OTP
2. Face Detection Using Mobile Vision API
3. Mobile Based Attendance System
4. Advanced Tour Guide
5. Android Battery Saver System
6. Calorie Calculator & Suggested Android App
7. Android Based School Bus Tracking System
8. Android Crime Reporter & Missing Person Finder
9. Student Faculty Document Sharing Android Project
10. Android location Alarm
11. Android Electricity Bill Payment Project
12. Home Automation Using Android
13. Library Book Locator Project
14. Android Blood Bank
15. Android Graphical Image Password Project
16. Android Controlled Railway Level Gate Control
17. Android Based Vehicle Tracking Project
18. Restaurant Table Booking Android Application
19. Android based QR Parking Booking
20. Android Vehicle Toll Payment System