OOPS & CPP

DAY	CONTENT	REMARK
1ST	Introduction :-what is C++? , Why C++ ?, C and C++, Exception handling, Object oriented Programming, standard Template Library	
2ND	Types and declaration :-Types, Boolean, Integer Types, Floating-point types , sizes, Void, Enumerations, Declaration	
3RD	Pointers, Arrays, pointers in to array	
4TH	Constants, Reference, pointers to void, Structures	
5TH	Expression and statement :- A desk calculator, Operator summary, Statement summary, comments and Indentation	
6TH	Functions :- Function Declaration, Argument passing, value return	
7TH	Overloaded Function Names, Default Arguments, Pointers to Function, Macros	
8TH	Name Spaces, Exceptions	
9TH	Source files and programs :- separate Compilation, Linkage, Using Header Files, Programs	
10TH	Classes :- Classes, Access Control, Constructors, Member functions	
11TH	Static members, destructors, Memory allocation, member initialization	
12TH	Operator overloading :- Introduction, Operator Functions, A complete Number type, conversion Operators	
13TH	Friends, Large Objects, essential Operators, subscripting	
14TH	Derived class :- Introduction, Derived classes, Abstract classes, Design of class Hierarchies, class hierarchies and abstract class	
15TH	MODULE EXAM	

DOS & WINDOWS(SS-02)

DAY	CONTENT	REMARK
1ST	Introduction to software , types of software, uses of software Operating system (single ,multi user& task)	
2ND	Booting system, cool boot & worm boot ,Disk Operating system, file naming rules in DOS, DOS command(CLR, copycon, time, date, ver, vol) (DIR, MD, CD, EDIT, CHECKED, REN, DEL, BAT, EDIT, FORMAT, PRN)	
3RD	Create, save, & rename a file in dos Difference between Dos & Window Directory, Root Directory, Parent Directory Tree, batch file	
4TH	Introduction to Windows –XP, NT, 95,07,08,10,LINUX, uses of Windows, features of windows	
5TH	Windows components, Desktop, desktop icon, control panel identify the folder & file, extension of different file. Elements of start button, customize of start button, remove program from start menu. works with windows Important icons of windows Changing the date & time, mouse setting,	
6TH	, Customize of task bar and customize the desktop.(Desktop, screen saver, appearance), create, delete, rename, copy & paste of a folder& files.	
7TH	Working with notepad, word pad, calculator & M.S. paint windows media player,controL panel	
8th	Creating user, del user, rename users, Administrator & user account & all other setting.	
9th	MODULE EXAM	

INTERNET & E-MAIL(SS-04)

DAY	CONTENT	REMARK
1ST	INTRUDUCTION TO Network, TYPES OF NETWORK (LAN, MAN, WAN),USES OF NETWORK	
2ND	Advantages of Network, types Of topology, IP ADDRESS ,IP CLASESS	
3RD	Introduction to Internet	
4TH	Feature of Internet WWW(webpage, website, web browsing, search engine, web browser, file upload and download	
5TH	Advantages & Dis Advantages of internet/ uses equipment needed for internet	
6TH	Intranet, Extranet, Telnet, Difference between internet and intranet, introduction about email ID	
7TH	Create an email user ID, Checking e-mail. Changing the password of your account, Print a message, delete a message, Compose and sending e-mail, Attach a file to E-mail, Download/ upload a file,google drive etc	
8TH	Social media, face book, tweeter YouTube etc	
9TH	Module examination	

MS ACCESS

DAY	CONTENT	REMARK
1ST	Database overview: Essential database terms and definitions Essential database design principals	
2ND	Database files and structure Structure of records Structure of fields	
3RD	Field and data types Relational database concepts Multiple tables within a single database	
4TH	Understanding and using primary keys Creating a relationships within a database	
5TH	Introduction to Access objects: Tables Queries Forms Reports	
6TH	Access objects: *Tables in detail* Table designs Table modifications Table wizards	
7TH	Access objects: *Queries in detail* Query design Simple queries Query syntax	
8th	Formulas within queries Specialized queries Query wizards	
9th	Access objects: *Forms in detail* Autoforms Form design	
10th	Form wizards	
11th	Access objects: *Reports in detail* Report Wizard Report Design Specialized report features and options	

12 th	Integrating Access with MS Office applications: Integrating Access with MS Word Integrating Access with Excel	
13th	Access with HTML Documents and the web	
14 th	Compacting, repairing, and converting databases from previous versions of Access and other customized tools and utilities	
15 th	examinations	

MS OFFICE & ITS APPS(SS-03)

DAY	CONTENT	REMARK
1ST	Introduction to MS Office 2007 ,2010,1013,2015 etc.	
2ND	Introduction to ms word & its environment,different tools & tool bar of ms word	
3RD	Microsoft office button, toolbar	
4TH	Working with documents	
5TH	Page formatting	
6TH	Home button & details	
7TH	Insert & page layout button & details	
8TH	References & mailing buttons details	
9TH	Review, view, design & mailing details	
10TH	Working with ms word	
11TH	Introduction to ms Excel & its environment	
12TH	Microsoft office button, tool bar	
13TH	Working with spreadsheet & Work Sheet	
14TH	Page Formatting	
15TH	Home , Insert buttons & details	
16TH	Page layout & formula button & details	
17TH	Data, review, view, button &details	
18TH	Making a resume in ms word	
19TH	Writing letters & format in ms word	
20TH	Creating registration form in ms word	
19TH	Introduction to ms excel	

19TH	Working with ms Excel	
19TH	Data entry & data sheet preparation	
19TH	Home button & details used in excel,	
19TH	Insert button & charts, types of chart, formatting of chart, pivot table report	
19TH	Uses of basic Formula & function details	
20 TH	Data button, filter, sort, advance filter, validation, what if analysis,group,ungroup sub totals	
21 ST	Review, view button uses in ms excel	
22 ND	Preparing a complete marksheet, invoice, salary, & inventory report	
23 RD	Introduction to ms power point & its environment	
24 TH	Microsoft office button, tool bar details uses in power point	
25 TH	Working with presentation, Slide designing, effect & transitions	
26 TH	Home , insert, design buttons & details	
27 TH	Animation, slide show Review, view buttons & details	
28TH	Making a Presentation & its work	
29 TH	Preparing a final Presentation about AASSET	
30 YH	EXAMINATION	

INFORMATION TECHNOLOGY(SS01)

DAY	CONTENT	REMARK
1ST	INTRUDUCTION ABOUT THE INSTITUTE, STUDENTS, TEACHERS, RULE & REGULATION, FACILITEES OF THE INSTITUTE. INTRUDUCTION TOINFORMATION TECHNOLOGY, CAREER IN INFORMATION TECHNOLOGY.	
2ND	DESCRIBE DETAILS ABOUT COMPUTER, EXTERNAL & INTERNAL COMPONENTS OF PC.DEMOSTRATE THE COMPONENTS. CATEGORY OF COMPUTER (DIGITAL, ANALOG, HYBRID)	
3RD	DESCRIBE CABINET,CPU,MOTHERBOARD,RAM,ROM,HDD, FDD,CDROM DRIVE,CACHE MEMORY, CMOS BATTERY ETC.	
4TH	MEMORY- PRIMERY MEMORY,SECONDARY MEMORY,UNIT OF MEMORY USES OF MEMORY	
5TH	KEYBOARD, MOUSE, MIC. TYPING FURMULLA,OPERATION OF MOUSE	
6TH	PRINTER,TYPES OF PRINTER, MONITOR TYPES OFMONITOR,ONLINE UPS,OFLINE UPS	
7TH	GENERATION OF COMPUTER (1^{ST}, 2^{ND},3^{RD},4^{TH},5^{TH})	
8TH	SOFTWARE, TYPES OFSOFTWARE & ITS USES, VIRUS (BOOT SECTOR, TROJAN HORSE)ANTIVIRUS	
9TH	LANGUAGE OF COMPUTER,	
10TH	MODULE EXAMINATION	

PHOTOSHOP- SS-09

DAY	CONTENT	REMARK
1ST	Introduction to graphics, images & Photoshop, uses of Photoshop, Career in Photoshop	
2ND	Tool bar & tool box use in Photoshop	
3RD	Create, save, & rename a file with in photo shop with different format	
4TH	Color & other palate use in Photoshop	
5TH	Photoshop layer details	
6TH	writing Text in Photoshop, edit images, making passport size photographs etc	
7TH	Adding photo, text & graphics effects & animation	
8th	Prepare a advertisement of AASSeT in Photoshop Flex printing & photo printing etc	
9th	MODULE EXAM	

C Programming(SS-05)

DAY	CONTENT	REMARK
1ST	1. Introduction to compiling and software development 2. Introduction to COMPUTER language 3. High languages Programming languages 4. Interpreter 5. Compiler	
2ND	1. Introduction to C programming, history & details 2. Purpose of C language 3. Basic features of C	
3RD	4. a sample C programme 5. layout 6. declaration 7. body 8. shut cut keys 9. compile 10. save 11. run 12. output 13. demo 1	
4TH	14. a sample C Programme 15. layout 1. body 2. demo1	
5TH	3. Basic data types and their operators 1. variable & Data type 2. character, integer & floating point number 3. Naming Variable 4. constants	
6TH	1. arithmetic operator 2. Addition, subtraction, division ,modulus 3. Assignment operator 4. increment /decrement operator	
7TH	1. If & if else statement 2. relational, logical & equality operator	
8TH	1. control statement 2. switch statement	
9TH	1. loops 2. for	

	3. for while 4. do while 5. introduction to function	
10TH	1. Examination	

SYSTEM ANALYSYS & DESIGN(SS-12)

DAY	CONTENT	REMARK
1ST	Content Foundations of systems development	
2ND	Systems Development Processes	
3RD	Management of systems development projects	
4TH	Structured analysis	
5TH	Structured design of data Object-Oriented Analysis and Design	
6TH	Design of user interfaces	
7TH	Implementation and Maintenance,	
8th	The course starts with lectures on the principles	
9th	MOSDULE EXAM	
10th		
11th		
12 th		
13th		

14 th		
15 th		
16th		
15th		
16th		

GUIDELINES FOR THE PREPARATION AND PRESENTATION OF SEMINAR AND PROJECT

AASSeT
RATHGADA
DHENKANAL

This document may be used for the preparation of *seminar* and *project* reports associated with the following academic programmes: PGDCA,DCA & OTHER ST COURSEIt does not cover progress reports. However, some material in this document may be of use in the preparation of any study material & technical report.

1. INTERACTION WITH YOUR GUIDE

2. **SUBMISSION**

3. **FORMAT**

2. *Text and Units*
3. *Page Limits*
4. *Top Cover*
5. *Preliminary Pages*
6. *Main Pages*
7. *Referencing Style*
8. *General Guidelines*

4. **CONTENT**

4.1 Expectations
4.2 Structure

5. PRESENTATION

5.1 Time Limits
5.2 Tips for preparing OHPs
5.3 Tips on Speaking

REQIREMENTS

01:Top cover (soft)

02: Top cover (hard)

03 Title page

04 acceptance certificate

05: Table of contents

A06: figures

-

1. INTERACTION WITH YOUR GUIDE

It is recommended that you meet your guide regularly during the course of the seminar/project, though ultimately the form of this interaction depends on both of you. You should maintain a record notebook/file where you can include a record of your discussions with your guide, literature survey details, derivations etc. Such a system will allow easy and quick access to the details and chronology of your work.

You should submit report drafts as and when requested by your guide.

The final responsibility for producing an error-free report lies with you, and not your guide!

2. SUBMISSION

The bound copies of your report should be submitted within the given deadline to the designated person. Late submission may not be acceptable; If allowed, it will necessarily invite a penalty which may be reflected in your grade.

Make sure that the acceptance certificate in your report is signed by your guide before you make the final submission of the report.

3. FORMAT

3.1 TEXT AND UNITS

It is mandatory to use plain A4 sized sheets, 70 to 90 gsm (16 to 20 pounds), smooth finish - the type of paper that is used for good photocopying. All material should be typed in double spacing. The recommended margins are 25 *mm* (1 inch) for top, bottom, right and left with an *extra* 13 *mm* (0.5 inch) for binding on the left. Other than page numbers, no material should intrude into these margins. The SI system of units should be used as far as possible. If non-SI units are the norm in the field, an addendum to the nomenclature must be given, identifying these units and giving conversion factors for translation to the SI units.

3.2 PAGE LIMITS

The total number of pages in the report, **including figures, tables but excluding the preliminary pages, references and appendices** should not exceed the limits specified in Table 1. (Caution : These are **upper** limits. Avoid writing a report which is artificially fattened ! Do not waste pages. Use space optimally).

Your guide / co-guide may require you to incorporate additional material (e.g. derivations, procedures, computer code listings etc.), which may be placed as appendices. These will not count in the total page count as per the specified page limits. **Such matter can be placed only in the guide's copy provided this arrangement is approved by the guide, else these appendices should be appear in all the copies.**

3.3 TOP COVER

The top page of your report should carry the following information in printed form or handwritten in neat block letters:

Softbound reports should have transparent cover and:

AASSeT Seminar/Project
Title of Seminar/Project
Name of Student
Enr- Number
Panel Number
Initials of Guide
Copy for: [Guide/Internal Examiner/External/Chairperson]
Date of submission

Hardbound reports should have the following printed/embossed on the cover:

Title of Project
Name of Student
AASSeT address
Year

and on the spine:

Name of Student
Year

See appendix *IA* and *IB* for sample formats.

3.4 PRELIMINARY PAGES

These are constituted, in the given order, by:

Title page
Certification page
Acknowledgement
Abstract
Table of Contents
List of Figures and Tables
Nomenclature.

Each of these should commence on a fresh page. The preliminary pages should be numbered in small case roman numerals which should appear at the centre on the bottom.

Title page - see appendix II for a sample format.

Certification page -see appendix III for a sample format.

Acknowledgement - please keep this brief and resist the temptation of writing flowery prose! Do include all those who helped you, e.g. other faculty / staff you consulted, Institute who assisted etc.

Abstract - the abstract must contain the context/relevance of the problem at hand, a description of what was done and a gist of the significant observations/results. **This should not exceed one page and should usually be one paragraph.**

3.5 MAIN PAGES

It is mandatory that you divide the report into chapters each of which may be structured into sections (1.1, 1.2) and sub-sections (1.2.1, 1.2.2). Do not exceed this level of sectioning. The sections and sub-sections must carry titles. If possible, try and

IN BIBLIOGRAPHY/REFERENCE LIST:

Use standard journal abbreviations. The correct abbreviation may be located from the respective journal itself. Do not number the references. Print them one after the other, in alphabetical order of the names of the first author, with one blank line in between each entry. The second and subsequent lines of each reference should be indented towards the right by about 6 blank spaces. Typical formats are given below.

3.7 GENERAL GUIDELINES

The material should be placed and bound in the following order:

Top Sheet of transparent plastic

Top Cover

Preliminary Pages

Chapters (Main material)

Appendices/training/study toor/industrials visit/picnic, if any

References/Bibliography (consolidated, from main text and appendices)

Evaluation Form (one copy) (please see Appendix VIII)

Back cover (blank sheet)

Back Sheet of plastic: may be opaque or tranparent

Use spiral binding for reports. Use soft binding for most reports, e.g., seminar reports, Project reports, and

Please maintain consistent tense in your report. Do not keep flipping between past and present tense. It has been the norm to use the passive voice ("was done") in technical writing. However, the active voice ("we did") is increasingly being accepted. If you wish to use the active voice be sure to obtain your guide's consent. Pay attention to detail and accuracy. Be clear, but concise !

Please make a sincere effort to weed out typographical errors. Remember that these mistakes will cost you marks and may even earn you a re-submission. If you have become tired of reading your report over and over again and suspect that this fatigue will cause you to overlook typos and grammatical mistakes get a friend to help you out (perhaps you can also provide similar help in reciprocation).

4. CONTENT

4.1 EXPECTATIONS

The technical reports that you would be writing will pertain to (i)seminars, (ii)projects and (iii)deisgn projects. A brief idea of what is **generally expected** in each of these is outlined below [material enclosed in square brackets pertains to an example {curly brackets enclose the section of the report this material must be put in}. The grade that you obtain will depend upon how far you meet these expectations.

Seminar & Project :

(i) exhaustive survey of literature based on a clear definition of the scope and focus of the topic [Title: Process control of aerobic fermentors/ scope: aerobic fermentors/ focus: process control] {literature survey};

(ii) development of a theme or a unifying or classification scheme within which this literature can be reviewed and discussed cogently [classification scheme: according to the type of control, i.e. feedback, adaptive, model based etc.] {literature survey};

(iii) critical analysis of selected studies from the literature which includes pointing out lack of or deficiency of data or information in the literature, comments on the validity of data or assumptions in theory and models, comparison of data or models, inconsistencies [adaptive control is more suited to a particular class of fermentations, model given by *X* is better than that given by *Y* and why it is so] {main material};

(iv) summary of salient observations and trends, scope and desirability of further work in the area of review, implications on related fields, applications [adaptive strategies form the largest class, these are most successful and commercially followed] {conclusions};

(v) the above described requirements are essential to a seminar. In addition to this, you should seriously assess the possibility of making active theoretical contributions such as extending a model to include more cases, re-doing a derivation with changed assumptions and so on. This type of work is not essential in a seminar but nevertheless, highly desirable [for the situation discussed by *X* a modified model is developed with justifications] {main material and results and discussion}.

4.2 STRUCTURE

It is **recommended** that the contents of the report be structured into the following categories/chapters. You may adopt a different way of organizing the material with the consent of your guide. You will notice that there is a rough correspondence between the expectations outlined above for the different types of documents and the structure given below. However, the emphasis on the various aspects is different for each type of report.

Introduction:

* Statement of the problem/objective/topic; its relevance.

* Brief description of the structure and location of contents of the report.

Literature Survey:

* Should be as exhaustive as possible.

* Primarily, you should discuss previous studies which specifically pertain to the problem/topic at hand.

* Attempt to minimize referring to work which is indirectly related to your topic. Avoid making forced connections and do not try to cram in irrelevant references.

* The last part of this section must contain a brief mention of the gaps in the literature and a justification for undertaking your study/project.

Main Material:

* *A* detailed report of previous studies, if necessary (**do not make this sound as if this is your work. Cite references properly at appropriate locations**). Attempt to understand the material that you incorporate from various references. In a seminar, such a review will form the major portion of the main material.

* Do not restrict your references to the literature survey chapter only.

* **Do not copy word for word from published literature.**

* Presentation of your contributions should include formulation, derivations, description of experimental set-up, experimental data/measurements, design calculations etc. For an experimental investigation, raw data must be available (preferably in an appendix). For a project involving software development, user's manual, programmer's manual, source code diskette/listing must be available. **User's and programmer's manuals are considered to be separate documents, distinct from your report and are therefore not included within the specified page limits.** * Ensure that sufficient details are provided for anyone to reproduce your work.

* Do not be too general. Avoid writing essays on historical developments.

Results/Discussion/Comments:

* If there are too many aspects to be covered then organize them in a logical manner.

Conclusions:

* State these clearly, in point-wise form if necessary, with respect to the original objective.

* Do not disguise "descriptions" of specific aspects, covered in the work as conclusions.

5. PRESENTATION

5.1 TIME LIMITS

Please see Table 1.

It is a good idea to have a mock presentation with the help of your friends. **Do not expect your guide to be involved with this effort. You should attempt to organize this on your own.**

5.3 TIPS ON SPEAKING

Speak clearly and evenly (avoid elocutionary postures). Your speech must be audible enough so that it does not seem like a general murmur.

Punctuate your speech properly; bring out the emphasis clearly. Do not drone on monotonously. Remember those lectures when you went off to sleep in the classroom ! Do not speak too fast.

Avoid referring to material that you do not fully comprehend. You may land yourself in serious trouble if someone decides to quiz you on such a topic.

Do not recite by heart (avoid memorizing your talk) nor read off from the OHP as if you are reading a text book.

Answer questions directly. Do not beat around the bush. If you do not know the answer acknowledge gracefully without display of unnecessary aggression. If you have not understood a question please say so; request for it to be rephrased. In any case do not be insolent - keep quiet to get out of an awkward situation.

End your talk with a thank you.

SAMPLE SHEET FOR TOP COVER (softbound)

Project /Seminar Report
Title : ONLINE EXAMINATIONS
Name : VINAY RAMACHANDRAN
ENR Number : 78002045
Panel Number : 4
Guide : PRAVAT DEHURY

Date of submission: 15TH FEB 2018

SAMPLE SHEET FOR TOP COVER (hardbound)

ONLINE EXAMINATIONS

VINAY RAMACHANDRAN

AASSeT

BACK SIDE OF LIC OFFICE,RATHAGADA,DHENKANAL

WEB-aasset.in EMAIL-aassetdkl@gmail.com

CONTACT NO-9937977930, 9439670707

The project report entitled " ONLINE EXAMINATIONS " submitted by Mr. Vinay Ramachandran (Enr. No. 78002045) may be accepted for being evaluated.

Date: FEB 15TH 2018 Signature

(Name of guide)

For Faculty:

If you choose not to sign the acceptance certificate above, please

indicate reasons for the same from amongst those given below:

(i) the amount of time and effort put in by the student is not sufficient;

(ii) the amount of work put in by the student is not adequate;

(ii) the report does not represent the actual work that was done / expected to be done;

(iv) any other objection (please elaborate):

(Signature)

SAMPLE SHEET FOR TABLE OF CONTENTS

APPENDIX IV: SAMPLE SHEET FOR TABLE OF CONTENTS

TABLE OF CONTENTS

. For use by **Chairperson ONLY**

OBJECTIVE IDENTIFIED & UNDERSTOOD

LITERATURE REVIEW / BACKGROUND WORK
(Coverage, Organization, Critical review)

EXPERIMENT/COMPUTATION/THEORY DEVELOPMENT/DESIGN
(Quality, Quantity)

RESULT INTERPRETATION/

DISCUSSION/CONCLUSIONS
(Clarity, Exhaustive)

ORAL PRESENTATION
(Clear, Structured)

TRANSPARENCIES
(Readable, Adequate)

Overall, should the candidate be given a fail grade : Yes/No

Suggest an overall grade:

Signature:

Date:

*Note: An 8 point scale is used for grading. The abbreviations used are as follows: *O*= outstanding (100), *E*= excellent (90), *VG*= very good (80), *G*= good (70), *F*= fair (60), *S*= satisfactory (50), *P*= poor (40), *R*= rejected (30 or below).

II

1.Presentation started at --- ended at ---
Duration of presentation was:

2.Report is submitted in correct format:

3.Quality of slides/OHPs was satisfactory: Yes/No

4.Candidate spoke clearly: Yes/No

Signature:

Date:

TALLY-SS-10

DAY	CONTENT	REMARK
1ST	Introduction to diff. company, types of company, uses of company	
2ND	Introduction to financial accounting, types of account, golden rules, accountant, introduction to account books & record, financial year etc	
3RD	Company creation, alter, deletion, shut & create group & ungroup company	
4TH	Account side ,Describe primary group ,group with definition	
5TH	Create, alter , display, single & multi ledger	
6TH	Accounting voucher ,receipt, payment, contra, sale, purchase etc	
7TH	Display account books, balance sheet , P/L account, day book etc	
8th	Introduction to inventory, making item, stock category, unit of measures, stock group, go down	
9th	Making inventory vouchers, purchase order, sales order, receipt note, delivered note, debit note, credit note & stock journal etc….,	
10th	Stock summery & display Account & inventory books details	
11th	Introduction to pay roll, employees, workers ,attendance, company session & other facility avail of employee & workers	
12 th	Creating employees ,employee group, salary details, Creating attendance voucher & details etc	
13th	Creating attendance vouchers &,payroll voucher	

14 th	Display salary & attendance report	
15 th	Introduction to different tax, goods service tax etc, enable tax	
16th	Features & configuration setting of tally	
15th	Make a small company & show the details report	
16th	Exams	

VISUAL BASIC

DAY	CONTENT	REMARK
1ST	Introduction to VB	
2ND	Object oriented programming(OOP)	
3RD	Feature of VB &its advantages, Event driven Programming	
4TH	IDE , Application types in VB	
5TH	Form layout , properties windows, menu bar, toolbar, from, window, creating the interface	
6TH	Control (resize, move, lock) writing code, setting properties	
7TH	Creating event procedure, VB intrinsic control, work with control	
8TH	Command button & its properties, design a from, SDI and MDI	
9TH	Data types, Declaring variable with data types, variables, declaring variable, implicit & Explicit declaration	
10TH	Constant, Operator, general statement in VB	
11TH	Control statement (calculate simple interest) (enter the percentage & display the grade of student)	
12TH	If statement (WAP to find roots of quadratic equation)	
13TH	While / wend statement (WAP to print multiplication table of a given no.)	
14TH	Do while /loop (WAP to print all even no. up to 30)	
15TH	For or/Next statement (Factorial of a no.)	

Visual Basic.Net(SS-08)

DAY	CONTENT	REMARK
1ST	9. Introduction to software & software development 10. Introduction to visual Basic .net programming, history & details 11. Purpose of vb.net language 12. Basic features of vb.net	
2ND	13. describe tool bar, tool box, property of vb.net, working area, explorer bar etc 14. describe menu bar & other bars	
3RD	15. a sample vb.net program me 16. design view 17. code window 18. run program me 19. save in project 20. runin form 21. output 22. demo 1	
4TH	23. a sample vb Programme 24. design a layout 25. writing code 26. test & run the programme	
5TH	27. Basic data types and their operators 28. variable & Data type 29. character, integer & floating point number 30. Naming Variable 31. constants	
6TH	32. arithmetic operator 33. Addition, subtraction, division ,modulus 34. Assignment operator 35. increment /decrement operator	
7TH	36. If & if else statement 37. relational, logical & equality operator	
8TH	38. control statement 39. switch statement	
9TH	40. wrting some program me	
10TH	41. introduction to DBMS, MS access	

11th	42.	creating a table using database, saving database	
11th	43.	creating & modify a form using data base	
12th	44. 45.	Creating and Editing Access Queries Database Applications and Design with MS Access	
13th	46.	make small software packages(example medicine store	
14th	47.	connection of database with dot net	
15th	48.	examinations	

Web Design(SS-07)

DAY	CONTENT	REMARK
1ST	Introduction to Web Design Introduction to HTML, Transfer protocol, Browser, IP Server name, directory path, file name, web site & web pages	
2ND	Starting with HTML, Simple HTML code, html editor, browser, 1st html code , html tag, empty & non empty tag example	
3RD	Structure of an HTML document, text formatting tags Tag attributes & character entities, list and menu,	
4TH	Writing code using html tag Using different tag Body, paragraph line break etc.. Writing and formatting fonts, style size alignment etc Introduction to marquee tag	
5TH	inserting image , image with height and width Moving graphics in horizontal and vertical, picture with a textbox Creating hyperlink for text and images Hypertext and Hypermedia Creating an hyperlink using a complete URL	
6TH	Inserting a Tables Creating a table Adding col , row, cells Adding table heading & blank cells Introduction to form tag	
7th	Creating A registration form Introduction to dream weaver	
8th	Introduction to hosting a web pages Setting & configuration a web server	
9th	Module Examination	

Python Course

Module 1: An Introduction to Python

- What can Python do?
- Why Python?
- Good to know
- Python Syntax compared to other programming languages
- Python Install

Module 2: Beginning Python Basics

- The print statement
- Comments
- Python Data Structures & Data Types
- String Operations in Python
- Simple Input & Output
- Simple Output Formatting
- Operators in python

Module 3: Python Program Flow

- Indentation
- The If statement and its' related statement
- An example with if and it's related statement
- The while loop
- The for loop
- The range statement
- Break &Continue
- Assert
- Examples for looping

Module 4: Functions& Modules

- Create your own functions
- Functions Parameters
- Variable Arguments
- Scope of a Function
- Function Documentations

- Lambda Functions& map
- n Exercise with functions
- Create a Module
- Standard Modules

Module 5: Exceptions Handling

- Errors
- Exception handling with try
- handling Multiple Exceptions
- Writing your own Exception

Module 6: File Handling

- File handling Modes
- Reading Files
- Writing& Appending to Files
- Handling File Exceptions
- The with statement

Module 7: Classes In Python

- New Style Classes
- Creating Classes
- Instance Methods
- Inheritance
- Polymorphism
- Exception Classes & Custom Exceptions

Module 8: Generators and iterators

- Iterators
- Generators
- The Functions any and all
- With Statement
- Data Compression

Module 9: Data Structures

- List Comprehensions
- Nested List Comprehensions
- Dictionary Comprehensions
- Functions
- Default Parameters
- Variable Arguments
- Specialized Sorts

Module 10: Collections

- namedtuple()
- deque
- ChainMap
- Counter
- OrderedDict
- defaultdict
- UserDict
- UserList
- UserString

Module 11: Writing GUIs in Python (Tkinter)

- Introduction
- Components and Events
- An Example GUI
- The root Component
- Adding a Button
- Entry Widgets
- Text Widgets
- Check buttons

Module 12: Python SQL Database Access

- Introduction
- Installation
- DB Connection
- Creating DB Table
- INSERT, READ, UPDATE, DELETE operations
- COMMIT & ROLLBACK operation
- handling Errors

Module 13: Network Programming

- Introduction
- A Daytime Server
- Clients and Servers
- The Client Program
- The Server Program

Module 14: Date and Time

- sleep
- Program execution time
- more methods on date/time

Module 15: Few more topics in-detailed

- Filter
- Map
- Reduce
- Decorators
- Frozen set
- Collections

Module 16: Regular Expression

- Split
- Working with special characters, date, emails
- Quantifiers
- Match and find all
- character sequence and substitute
- Search method

Module 17: Threads ESSENTIAL

- Class and threads
- Multi-threading
- Synchronization
- Treads Life cycle
- use cases

Module 18: Accessing API ESSENTIAL

- Introduction
- Facebook Messenger
- Openweather

Module 19: DJANGO

- Django Overview
- Django Installation
- Creating a Project
- Usage of Project in depth Discussion
- Creating an Application
- Understanding Folder Structure
- Creating a Hello World Page
- Database and Views
- Static Files and Forms
- API and Security