DISA Institute of Science and Technology (DIST)

Course Curriculum (Proposal)

For

Post-Graduate Diploma in Computer Science & IT (PGDCSIT)

- ❖ Course Duration: One year. (2 Semester)

- ❖ Batch Size: 20 (Male / Female) per batch.

- ❖ Class Time: 9.00 AM to 5.00 PM

- ❖ Time: 6 (Six) days a week.

- ❖ Mode of Training: Residential & Non-residential.

- ❖ Educational Qualification: Graduate in any discipline.

- ❖ Age: Maximum 35 years.

- ❖ Knowledge & Skilled training ration: 40 %   &   60 %.

- ❖ Training Subject Marks distribution:

Subject: Marks

Module of

Post-Graduate Diploma in Computer Science & IT (PGD-CSIT)

SL	Module ID	Module Name	Hours	Credit
First Semester				
1	PGD-CSIT-101	Computer Fundamental & Operating System		
2	PGD-CSIT-102	Microsoft Office program		
3	PGD-CSIT-103	Graphic Design		
4	PGD-CSIT-104	Computer hardware Maintenance		
5	PGD-CSIT-105	Professional Software's & E-Commerce technology		
6	PGD-CSIT-106	Internet, Data Communication & Computer Network.		
Second Semester				
1	PGD-CSIT-201	Programming Concept		
2	PGD-CSIT-202	Windows & Linux Server Technology for Office Management		
3	PGD-CSIT-203	Web Technology		
4	PGD-CSIT-204	Database management & reporting		
5	PGD-CSIT-205	Information & Network Security		
6	PGD-CSIT-206	System Analysis & Design		
7	PGD-CSIT-207	English Language course for Executives.		

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Post-Graduate Diploma in Computer Science& IT (PGDCSIT)

Proposed Syllabus

1. Computer Fundamental & Operating System   **[24 Hours]**

    i) Introducing computertechnology.

    ii) Operating system.

    iii) Installation & Configuration.

    iv) General Software installation and maintenance.

    v) Rules of using computer with Safety & Security.

2. Microsoft Office program   **[120Hours]**
    i) Introduction &Benefit of Office Program.
    ii) Installation of MS-Office.
    iii) Different version & their use.
    iv) MS-word.
    v) MS-Excel.
    vi) MS-Power Point.
    vii) Outlook Express.

3. Graphic Design

    ❖ **Adobe InDesign**   **[60 Hours]**
    i. Design Principals
    ii. Manipulating Text
    iii. Critique and Hierarchy
    iv. color and Transparency

v. Animation and Interactivity

vi. Questions and Finish Up

❖ **Adobe Photoshop**   **[170 Hours]**

i. The Photoshop Environment

ii. General Drawing discussion theory

iii. Adobe Bridge Detail

iv. Image Manipulation

v. Painting tools & Detail

vi. Brush Settings

vii. Making Selections

viii. Layers & Detail discussion

ix. Printing Detail

❖ **Adobe Illustrator**

                                                         [160 Hours]

i. Working With Documents

ii. Drawing and Transforming Objects

iii. Working with Shapes and Objects

iv. Gradients, Pattern Fills, and Blends

v. Working With Layers

vi. Drawing and Painting

4. Web Technology   **[200 Hours]**

i. Browser & internet

ii. Search engine technology

iii. Website design & development concept

iv. Types of website& update technology

v. Languages structure of website

vi. Static &Dynamic website management

vii. Database relation & dynamic technology

viii. Domain , Hosting variation & management

5. Professional Software's & E-Commerce technology   **[124 Hours]**

❖ **Professional Software's**

      i. ERP (Enterprise Resource Planning).
     ii. Accounting Software (Example: Tally).
    iii. Human Resource Management Software.
    iv. Inventory Management Software.

❖ **E-Commerce technology**
     v. Introducing of E-commerce
    vi. Buying & selling method
   vii. Payment system
  viii. Product Management (upload, update, delete, offer management etc.)

6. Computer hardware Maintenance   **[120 Hours]**

   i) Introduction & Benefit of computer hardware Maintenance
   ii) Introducing the parts of computer
  iii) Working principal of computer parts
  iv) Assemble & De-assemble of complete computer.
   v) Identify & troubleshooting of computer
  vi) Common problems& troubleshooting of computer

7. Internet,Data Communication &ComputerNetwork.**[200 Hours]**

    i. Introduction of Internet and Network.
   ii. Home router configure.
  iii. IP Addressing & Sub netting.
  iv. Complete Office Network setup & configure.
   v. Basic Configuration of routing.
  vi. Configuration of Network security.

8. Windows & Linux Server Technology for Office Management   **[200 Hours]**

❖ **Windows Server Technology**

    i. Introducing server technology
   ii. Version of windows servers & Using requirement
  iii. Installation of windows server
  iv. General configuration & Maintenance of server
   v. Installation & configure Active Directory Domain Services (ADDS).
  vi. Installation & configure DNS & DHCP Services.
 vii. Installation & configure File & Print server.
viii. Installation & configure Group Policy services.
  ix. Server Backup & Security.

❖ **Linux Server Technology**

      i.   Introducing Linux technology
     ii.   Server & Client Concept in Linux
   iii.   General Linux using Language.
   iv.   Installation of Linux & Partitioning
    v.   Network configuration in Linux
   vi.   Configuring & Mounting Devices in Linux
  vii.   Installation & Configuration web server
 viii.   Installation & configuration DHCP server
   ix.   Installation & configuration Time server
    x.   Installation & configuration file server
   xi.   Linux System Administration.

9. Information & Network Security

10. Programming Concept
     i.   ==C programming.==

11.   Database management & reporting
     i.   Database.
    ii.   Query Introduction.
   iii.   SQL Query.

12. System Analysis & Design
    ii.   ==UAT==
   iii.   ==Testing==

13. English Language course for Executives.