PROJECT IMPLEMENTATION PROGRAM

[A Real Time Project execution with coding proficiency]

Targeted Audience	B.Tech Final year Students
Program Duration	34 working days
Daily schedule	4-5 hours a day
Program Execution	At your college or At our Premises
Technologies	Java, .Net
Database	Oracle, SQL Server, My SQL, Derby
Reporting Mode	Weekly status report through electronic format to the college authorities
Project Execution Domains	1. Business Solutions automation 2. Business Solutions Web based 3. Education automation 4. Web based Education System 5. Banking stand alone 6. Banking web based 7. Finance 8. Manufacturing Automation 9. Web based Manufacturing System 10. E-Commerce with pay pal validations 11. Educational Analysis 12. Bio Metrics 13. Networking 14. System Architecture 15. Software Engineering 16. Data Mining 17. Image Processing 18. Automatic Message Solutions 19. Security Systems 20.Network Security 21. Remote Hardware Controlling
Project Implementation Stages	Attached in contents sheet

PROGRAM SCHEDULE CONTENTS

Schedule	Program	Duration	Resources
DAY 1	1. IDENTIFICATION OF PROJECT a. Abstract b. Problem Statement c. Problem Identification d. Existing System e. Proposed System	**20 min per batch** **6 – 8 hours a day**	**Discussion room**
DAY 2	**Business Requirements** a. Scope of the project b. External Deliverables c. Internal Deliverables **Module Specification** a. Description of the project b. Module Specification c. Functionality of the modules d. Functionality of the project e. Utilization Environment f. System Boundaries **User Requirements** a. User Requirements b. Requirement Elicitation c. Effectiveness requirements d. Operational Life Cycle.	**20 min per batch** **6 – 8 hours a day**	**Discussion room**
DAY 3	**Business Requirements** **Module Specification** **User Requirements** CONTINUED …….	**20 min per batch** **6 – 8 hours a day**	**Discussion room**
DAY 4	**Business Requirements** **Module Specification** **User Requirements** **CONTINUED**	**20 min per batch** **6 – 8 hours a day**	**Discussion room**
DAY 5	**Software requirement specifications** (Technologies Identification) a. Operating System b. Software Requirements c. Hardware Requirements d. Reporting Tools	**20 min per batch** **6 – 8 hours a day**	**Discussion room**
DAY 6	**Software requirement specifications** (Technologies Identification) a. Operating System b. Software Requirements c. Hardware Requirements d. Reporting Tools	**20 min per batch** **6 – 8 hours a day**	**Discussion room**
DAY 7	**Software requirement specifications** (Technologies Identification) CONTINUED ……	**20 min per batch** **6 – 8 hours a day**	**Discussion room**

DAY 8	TECHNOLOGY FAMILIARITY a. Basic Technology familiarity	**6 HOURS A DAY**	**CLASS ROOM / LAB**
DAY 9	TECHNOLOGY FAMILIARITY a. Basic Technology familiarity	**6 HOURS A DAY**	**CLASS ROOM**
DAY 10	TECHNOLOGY FAMILIARITY a. Basic Technology familiarity	**6 HOURS A DAY**	**CLASS ROOM**
DAY 11	Specific Technologies Identification and Study in regard with the project	**6 HOURS A DAY**	**CLASS ROOM**
DAY 12	c. Additional Technologies requirements and Research	**6 HOURS A DAY**	**CLASS ROOM**
DAY 13	**DESIGN OF THE PROJECT** a. UML Diagrams b. Data Flow Diagrams **DATABASE DESIGN** a. Normalization b. Creation of Tables c. Relational Database Structure d. Physical Database Structure	**20 min per batch** **6 – 8 hours a day**	**Discussion room**
DAY 14	**DESIGN OF THE PROJECT** a. UML Diagrams b. Data Flow Diagrams **DATABASE DESIGN** a. Normalization b. Creation of Tables c. Relational Database Structure d. Physical Database Structure	**20 min per batch** **6 – 8 hours a day**	**Discussion room**
DAY 15	10. Front End Development a. Main Screen b. Module Screens c. Linking Screens d. User Specification Screens e. Reports	**6 HOURS A DAY**	**LAB**
DAY 16	10. Front End Development a. Main Screen b. Module Screens c. Linking Screens d. User Specification Screens e. Reports	**6 HOURS A DAY**	**LAB**
DAY17	10. Front End Development a. Main Screen b. Module Screens c. Linking Screens d. User Specification Screens e. Reports	**6 HOURS A DAY**	**LAB**
DAY18	10. Front End Development a. Main Screen b. Module Screens c. Linking Screens	**6 HOURS A DAY**	**LAB**

	d. User Specification Screens e. Reports		
DAY 19	11. Logic and Algorithms a. Business Rules b. Business Logic c. Validations d. Algorithms	**6 HOURS A DAY**	**LAB**
DAY 20	11. Logic and Algorithms a. Business Rules b. Business Logic c. Validations d. Algorithms	**6 HOURS A DAY**	**LAB**
DAY 21	11. Logic and Algorithms a. Business Rules b. Business Logic c. Validations d. Algorithms	**6 HOURS A DAY**	**LAB**
DAY 22	12. Coding	**6 HOURS A DAY**	**LAB**
DAY 23	12. Coding	**6 HOURS A DAY**	**LAB**
DAY 24	12. Coding	**6 HOURS A DAY**	**LAB**
DAY 25	12. Coding continued …….	**6 HOURS A DAY**	**LAB**
DAY 26	12. Coding Continued …….	**6 HOURS A DAY**	**LAB**
DAY 27	**13. Database Querying** a. DDL, DML, TCL Commands & Scripts b. Functions c. Procedures **Coding Continued**	**6 HOURS A DAY**	**LAB**
DAY 28	**14. Reports Generation.** a. Identification of reporting tools b. Synchronizing Reports with database c. User requirement Specifications **Coding Continued**	**6 HOURS A DAY**	**LAB**
DAY 29	**14. Reports Generation. CONTINUED** a. Identification of reporting tools b. Synchronizing Reports with database c. User requirement Specifications **Coding Continued**	**6 HOURS A DAY**	**LAB**
DAY 30	**Coding Continued** **15. PRINTER SETTINGS** a. User requirement b. Reports type c. Printer specifications d. Setting printers with software output **16. EXECUTION** a. Executing the code	**6 HOURS A DAY**	**LAB**

	b. Executing the modules c. Execution of inter-module relation d. Execution of module decomposition.		
DAY 31	**17. TESTING** a. Unit testing b. Integration Testing c. System Testing d. Performance Testing e. Test Plan f. Test Cases g. Test Reports	**6 HOURS A DAY**	**LAB**
DAY 32	**18. CODE EVALUATION AND TEST RUN** a. Rectification of Errors b. Evaluation of code c. Evaluation of algorithms d. Developing the Executable file	**6 HOURS A DAY**	**LAB**
DAY 33	**19. IMPLEMENTATION** a. Deployment of Operating System b. Deployment of Database c.Deployment of Application Server d. Deployment of Networking e. Deployment of Client Server Architecture f. Deployment of Executable file g. Deployment of Database h. Deployment of Tables and Views	**6 HOURS A DAY**	**LAB**
DAY 34	**20. Documentation**	**6 HOURS A DAY**	**LAB**