**Web Programming Assignment No#1**

**1)** Web1.html

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<html>

<head>

<title>CDAC EDAC Course</title>

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<h1 align="center"><font color="#000080"><b><u>EDAC COURSE</u></b></font></h1>

<h2><font color="#6A5ACD"><ul type="disc"><li>Objective of the course :</li></ul></font></h2>

<p><font size="4">The course is targeted towards engineers and IT professionals who wish to venture into the domain of advanced computing. The course aims to groom the students to enable them to work on current technology scenarios as well as prepare them to keep pace with the changing face of technology and the requirements of the growing IT industry.The course curriculum has been designed keeping in view the emerging trends in advanced computing as well as the contemporary and futuristic human resource requirements of the ICT industry. The depth and width of the course is unique in the industry covering a wide spectrum of requirements of the ICT industry.</font></p>

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<h2><font color="#6A5ACD"><ul type="disc"><li>Syllabus of the course :</li></ul></font></h2>

<p><font size="4"><ul type="circle"><li><a href="concepts.html">Programming concepts</a></li>

<li><a href="os.html">Concepts of Operating System</a></li>

<li><a href="webjava.html">Web based Java programming</a></li>

<li><a href="algoanddata.html">Algorithms and Data Structures</a></li>

<li>Effective Communication</li>

<li>Aptitude</li>

<li>Software Project</li></ul></font></p>

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<h2><font color="#6A5ACD"><ul type="disc"><li>Key features :</li></ul></font></h2>

<p><font size="4"><ul type="circle"><li>20 weeks’ fully online courses with 600 hours' theory + lab + project.</li>

<li>Minimum 6 hours per day (theory + lab) sessions on 6 days a week (excluding announced holidays).</li>

<li>Continuous lab and internal assessments during the course.</li>

<li>Centralised course-end examinations across centres in online or physical mode as may be decided by C-DAC.</li>

<li>Syllabus designed with the latest trends in the ICT industry.</li>

<li>Expert faculty from C-DAC and ICT industry with widespread domain knowledge.</li>

<li>Tutorials, hands-on and projects relevant to the standards of the ICT industry.</li>

<li>Special training on aptitude, communication and interview skills.</li>

<li>Extensive placement orientation and region-wise common campus placements.</li></ul></font></p>

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concepts.html

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<title>Programming concepts</title>

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<h2><font color="#9932CC"><ul type="disc"><li><b>Programming Concepts :</b></li></ul></font></h2>

<p><font size="4">Setup development environment (JRE, JDK, eclipse), Writing your first Java program, Variables & Methods, Java Data Types, Primitives and Binary Literals, Data type compatibility and casting of primitive data types, Static variables and methods, Operators, Conditional and Looping Statements.</p>

<p>Recursion, Objects, Constructors (Default constructor, parameterized constructor), Static method v/s instance method, String class, Arrays.</font></p>

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os.html

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<title>Operating System</title>

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<h2><font color="#9932CC"><ul type="disc"><li><b>Concepts of Operating System :</b></li></ul></font></h2>

<p><font size="4">Introduction to OS, What is OS, Different components of OS, Examples of, Mobile OS, Embedded system OS, Real Time OS, desktop OS server machine OS etc, Functions of OS, User and Kernel space and mode, Interrupts and system calls, Introduction to Linux, Working basics of file system, files/directories & other basic commands. Operators like redirection, pipe. file permissions, Permissions (chmod, chown, etc), access control list, network commands (telnet, ftp, ssh, sftp, finger), System variables like – PS1, PS2 etc. Shell programming, Decision loops (if else, test, nested if else, case controls, while…until, for), Regular expressions, Arithmetic expressions, Process management, Schedulers – Short term, Medium term and Long term, Process scheduling algorithms, Orphan and zombie processes, Signals, Threads, Memory management, Internal and external fragmentation, Segmentation, Paging, Virtual Memory, Deadlock, Semaphore, Mutex, Inter process communication, File management, Mobile OS – Android.</font></p>

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webjava.html

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<h2><font color="#9932CC"><ul type="disc"><li><b>Web based Java programming :</b></li></ul></font></h2>

<p><font size="4">J2EE Overview, Servlets, Introduction to JSON, Servlets, Session Management, JSP and JSTL, MVC Architecture Hibernate framework, ORM Concepts, JPA, Hibernate architecture, JDBC & Transaction Management, Annotation support and ID generators. Transaction management, Hibernate Session CRUD API, Hibernate caching, HQL, Spring Data Module, Spring AOP, Spring framework, Building REST services with Spring, Overview, IOC, Dependency Injection, Spring Beans, Spring Core Container, Testing in Spring, Autowiring, Web application using Controller, Service & DTO layers, Spring Hibernate Integration and Testing, Web Services, REST Architecture, RESTful web service using Spring Boot, Integration and Testing of RESTful web server and client, Java Mail API.</font></p>

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algoanddata.html

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<h2><font color="#9932CC"><ul type="disc"><li><b>Algorithms and Data Structures :</b></li></ul></font></h2>

<p><font size="4"><ol type="1"><li><b>Problem Solving & Computational Thinking:</b> Define the problem, Find Creative Solutions using creativity tools, Evaluate and Select solution, Implementing Decisions, Algorithm Design and Analysis, Analyzing time and space complexity.</li>

<li><b>Basic Data Structures :</b> Arrays, Stacks, Queues (Circular Queues, Priority Queues, Dequeues), Linked lists (Single, Double and Circular Linked Lists).</li>

<li><b>Trees and Applications :</b> Tree traversals, Ordered Trees, Binary trees, Complete Binary Trees, Search trees, Binary Search Trees, Self-Balancing Trees.</li>

<li><b>Graph and Applications :</b> Graph traversal algorithms (BFS, DFS), Dijkstra’s Algorithm, Bellman Ford Algorithm, Complexity-Time & Space complexity All-pairs shortest path, Floyd-Warshall algorithm, Johnson's algorithm, Maximum flow algorithms, Ford-Fulkerson algorithm.</li>

<li><b>Searching & sorting algorithms :</b> Sequential Search, Binary Search, Selection sort, Insertion sort, Bubble sort, Heap sort, Merge sort, Quick sort.</li>

<li>Hash Functions and Hash Tables</li></ol></font></p>

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**2)** resume.html

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<title>Resume</title>

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<h1 align="center"><font color="DarkSlateBlue"><b><u>Resume</u></b></font></h1>

<font size="4"><b>Name :</b> Deshmukh Neha Satish<br/>

<b>Email ID :</b> nehadeshmukhnd99@gmail.com<br/>

<b>Mobile :</b> +91 8689922625<br/>

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<p><font color="SlateBlue" size="4"><b><u>Career Objective :</u></b></font><br>

To pursue a career and to be a part of progressive organization that gives a scope to implement and enhance my knowledge.<br></p>

<p><font color="SlateBlue" size="4"><b><u>Educational Qualification :</u></b></font>

<ul type="circle"><li>Bachelor of Engineering in Electronics and Telecommunication from Mumbai University with an average CGPA of 7.62 (70.56%), passed in the year 2020.</li>

<li>Passed HSC from Changu Kana Thakur Junior College with 72.31% in the year 2016.</li>

<li>Passed SSC from Changu Kana Thakur Vidyalaya with 84% in the year 2014.</li></ul></p>

<p><font color="SlateBlue" size="4"><b><u>Technical Skills :</u></b></font><br>

C, C++, HTML</p>

<p><font color="SlateBlue" size="4"><b><u>Extra Curricular :</u></b></font>

<ul type="circle"><li>Participated in workshop based on PCB designing.</li>

<li>Industrial training for one week of Satellite communication and OFC at BSNL satellite earth station, yeur.</li></ul></p>

<p><font color="SlateBlue" size="4"><b><u>Projects :</u></b></font>

<ul type="circle"><li>Color based product sorting machine using conveyor belts.</li>

<li>Smart watch using Arduino UNO - which displayed day, date, time, temperature on OLED.</li>

<li>Calculator using Arduino UNO - which displayed basic operations using integers of addition, subtraction, division and multiplication on 16×2 LCD.</li>

<li>Stopwatch using timer IC555 - which displayed count from 0 to 60 (seconds) and again triggered to start, using 7-segment display.</li></ul></p>

<p><font color="SlateBlue"size="4"><b><u>Personal Details :</b></u></font>

<ul type="circle"><li>Date of birth : 08/03/1999</li>

<li>Nationality : Indian</li>

<li>Address : A-303, Nimbeshwar Parvati, Pali-Devad, Sukapur, New Panvel-410 206</li></ul></p>

<p><font color="SlateBlue" size="4"><b><u>Declaration :</u></b></font><br>

I hereby declare that all information stated above is true to my knowledge and belief.<br></p>

<p align="right">Deshmukh Neha Satish</p>

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