

DSA PROJECT SYNOPSIS

TASK MANAGER

NAME	SRN
N S TUSHAR	PES2UG22CS327
NIHAL NOORAMMAD	PES2UG22CS354
MITHUN H R	PES2UG22CS313
NANDAKISHORE PRAMOD	PES2UG22CS334

Project Details

PROBLEM STATEMENT

TO CREATE A PROGRAM THATS KEEP A CHECK ON THE TASKS THAT ARE PENDING BASED ON THE PRIORITY OF THE TASK AND THE DEADLINE OF TASK COMPLETION. THE CODE STORES THE TASKS BASED ON PRIORITY AND DEADLINE IN TWO DIFFERENT QUEUE. THE COMPLETION OF A TASK WHEN MARKED DELETES THE NODE IN BOTH THE QUEUE AND STORES THE DELETED NODE IN THE STACK. THE QUEUE DISPLAYS PENDING TASK BASED ON PRIORITY AND DEADLINE AND THE STACK DISPLAYS THE COMPLETED TASKS. THE CODE CAN EVEN CHANGE THE PRIORITY AND DEADLINE OF A TASK BASED ON THE USERS REQUEST

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THE PROGRAM USES THE CONCEPT OD LINKED LOIST USING STRUCTUES. THE CONCEPT OF PRIORITY QUEUE IS USED HERE TO STORE THE PENDING TASK

**INSERTION, DELETION OF A PRIORITY QUEUE BASED IN ITS PRIORITY AND DEADLINE.
THE CONCEPT OF STACK INSERTION TO STORE THE COMPLETED TASK IN OREDER OF
COMLETION.**

CONTRIBUTION

N S TUSHAR : HAVE WRITTEN THE INSERTION FUNCTION FOR BOTH QUEUE BASED ON PRIORITY AND DEADLINE . AND MAIN FUNCTION.

MITHUN H R : HAS WRITTEN THE DELETION OPERATION FOR THE OF A TASK FROM THE QUEUE BASED ON PRIORITY OR DEADLINE. AND MAIN FUNCTION.

NIHAL N A : HAS WRITTEN THE CREATION OF TASK FUNCTION. WITH THE PUSH OPERATION OF THE STACK WITH THE DISPLAY OF COMPLETED TASK FUNCTION.

NANDAKISHORE : HAS WRITTEN THE CODE FOR CHANGE OF THE PRIORITY OR DEADLINE OF A ALREADY EXISTING TASK AND WROTE THE PENDING TASK FUNCTION.