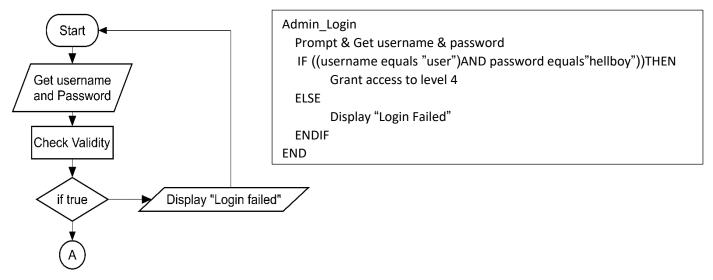
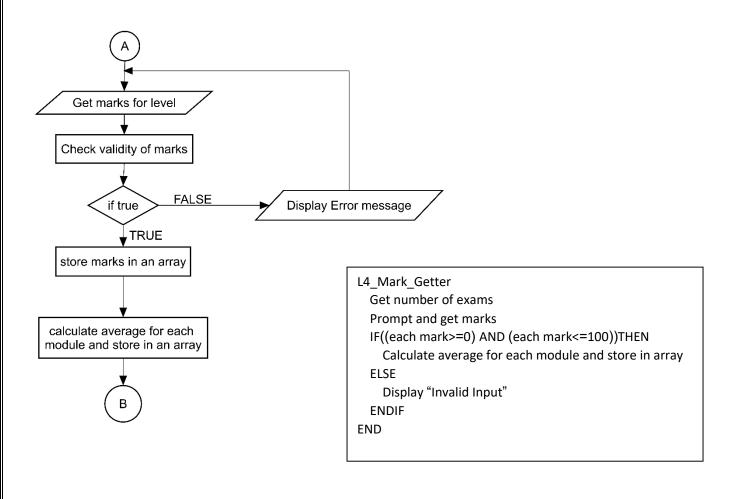
DESIGN

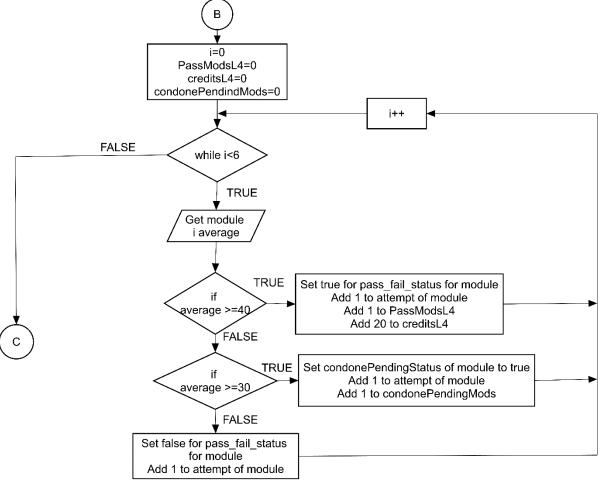
• Administrator Login (Flowchart 01)



Level 4 initial mark getter (Flowchart 02)



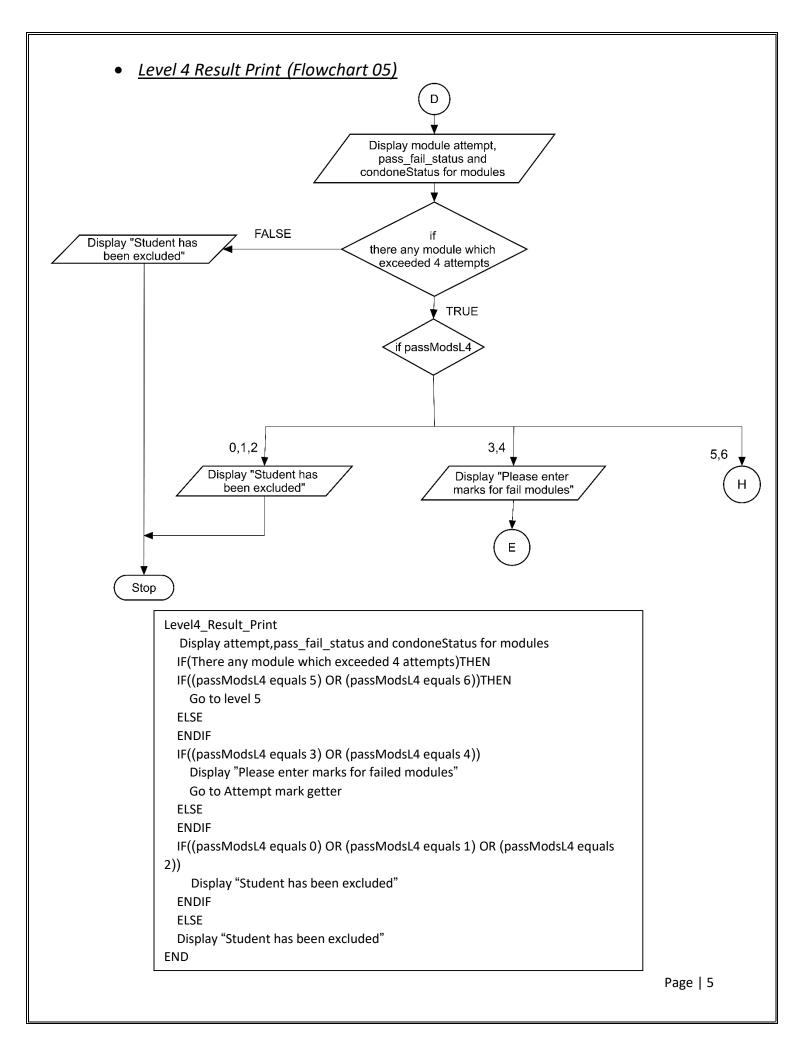
• Level 4 initial pass/fail setter (Flowchart 03)

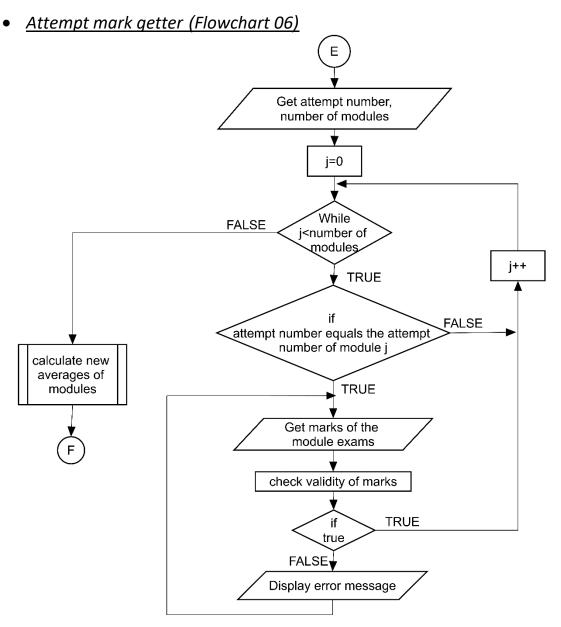


```
Level4_Initial_Pass/Fail_Setter
  Set i,PassModsL4,creditsL4,condonePendingMods to zero
  DOWHILE(i<6)
     Get module[i] average
    IF(average>=40)THEN
       Set true for pass_fail_status of module
       Add 2 to attempt of module
       Add 11 to PassModsL4
       Add 20 to creditsL4
     ELSE
       IF(average>=30)
         Set condonePendingStatus of module to true
         Add 1 to attempt of module
         Add 1 to condonePendingMods
         Set false for pass_fail_status for module
         Add 1 to attempt of module
       ENDIF
    ENDIF
  Add 1 t0 i
  ENDDO
END
```

Level 4 condone setter (Flowchart 04) Get average of condone pendingmodules Add 20 to CreditsL4 Add 1 to passModsL4 **TRUE** Add 20 to condonePendingMods== condoneCredits Set condoneStatus of module to true Set true for pass_fail_status for module **FALSE** if module average>40 **FALSE** TRUE **TRUE** Find the two largest set module average to 40 condonePendingMods>1 & condonePendingMods</ averages among pending modules Add 40 to CreditsL4 Add 2 to passModsL4 Add 40 to condoneCredits **FALSE** Set condoneStatus of modules to true and Set true for pass_fail_status for those two largest average modules Add 1 to attempt for condone failed modules and set false to pass_fail_status **FALSE** each average of largest two average modules >40 TRUE, set modules average to 40

```
Level4_Condone_Setter
  Get condonePendingMods, average of condone pending modules
  IF(condonePendingMods equals to one)THEN
     Add 20 to CreditsL4
     Add 1 to passModsL4
     Add 20 tocondoneCredits
     Set condoneStatus of module to true
     Set true for pass fail status for module
     IF(module average>40)THEN
       Set module average to 40
     ELSE
     ENDIF
  ELSE
     IF(condonePendingMods>1 AND condonePendingMods<7)THEN
       Find two largest averages among pending modules
       Set condoneStatus of those two modules to true
       Set pass_fail_status of those two modules to true
       Add 1 to attempt of condone failed modules
       Set false for pass_fail_status of those condone failed modules
       IF(average of two condone passed module>40)THEN
          Set modules average to 40
       ELSE
       ENDIF
    ELSE
     ENDIF
  ENDIF
END
```

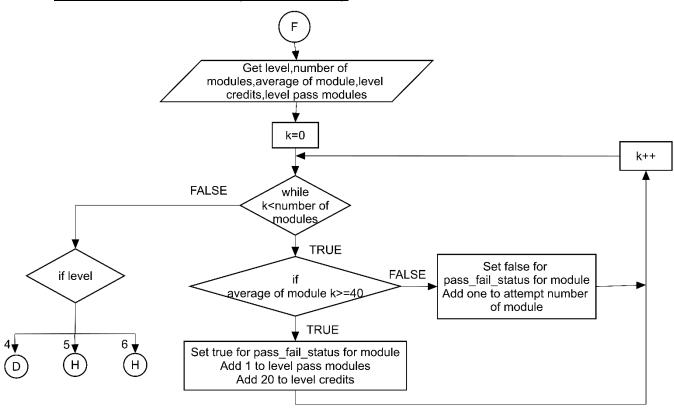




```
Attempt_Mark_Getter
Get attempt number,number of modules
Set j to zero
DOWHILE(j<number of modules)

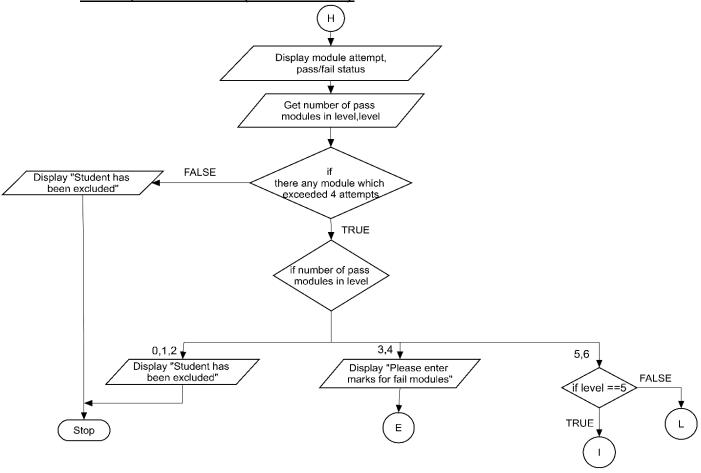
IF(attempt number equals the attempt number of the module[j] )THEN
Get marks of the module exams
IF((each mark>=0) AND (each mark<=100))THEN
Calculate average for each module and store in array
ELSE
Display "Invalid Input"
ENDIF
ENDIF
Add one to j
ENDDO
Calculate new average of modules
END
```

• Attempt pass/fail setter (Flowchart 07)

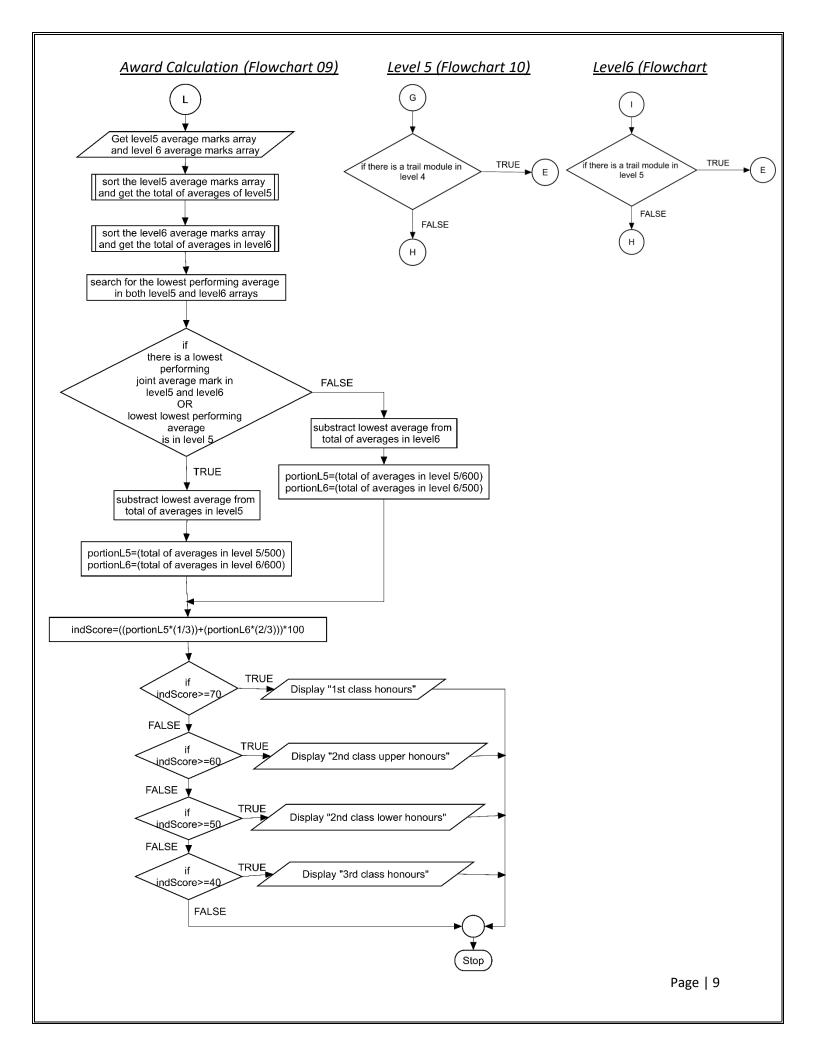


```
Attempt_Pass_Fail_Setter
  Get level, number of modules, level credits, level pass modules
  Set k to zero
  DOWHILE(K<number of modules)
    IF(average of the module[k]>=40)
      Set true for pass_fail_status for module
      Add 1 to level pass module
      Add 20 to level credits
    ELSE
      Set false for pass_fail_status for module
      Add 1 to attempt number of the module
    ENDIF
    Add one to k
  ENDDO
  IF(level equals 4)THEN
    Go to level 4 result print
  ELSE
  ENDIF
  IF(level equals 5 OR level equals  6)THEN
    Go to level 5,6 result print
  ELSE
  ENDIF
END
```

• Level 5,6 Result Print (Flowchart 08)



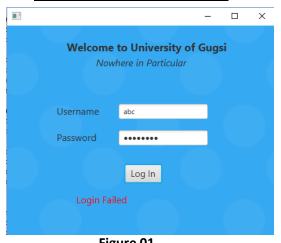
```
Level_5_6_Result_Print
  Display module attempt, module pass_fail_Status
  Get number of pass modules in level and level
  IF(There any module which exceeded 4 attempts)THEN
    IF((number of pass modules in level equals 5) OR (number of pass modules in level equals 6))THEN
      IF(level equals 5)THEN
       Go to level 6
      ELSE
        Go to award calculation
      ENDIF
    ELSE
    ENDIF
    IF((passModsL4 equals 3) OR (passModsL4 equals 4))
      Display "Please enter marks for failed modules"
      Go to Attempt mark getter
    ELSE
    ENDIF
    IF((passModsL4 equals 0) OR (passModsL4 equals 1) OR (passModsL4 equals 2))
      Display "Student has been excluded"
    ENDIF
  Display "Student has been excluded"
END
```



LIST OF FIGURES

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Flowchart 03	Level 4 initial pass/fail setter
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Flowchart 11	Level 6
Figure 1	Admin login(invalid credentials)
Figure 2	Invalid input(letters)
Figure 3	Invalid input(unacceptable marks)
Figure 4	Award Classification
Figure 5	Level 4 results(all passed)
Figure 6	Exclusion
Figure 7	Re-enter marks for failed modules

SCREEN SHOTS



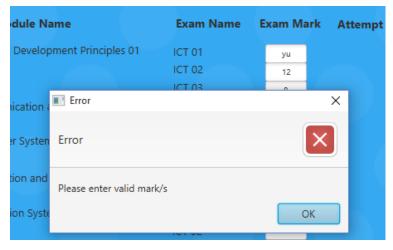


Figure 01



Figure 02



Figure 03

Figure 04

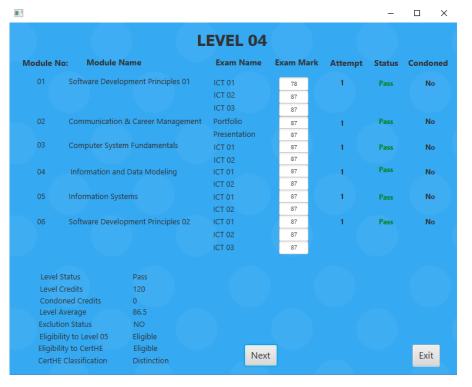


Figure 05



Next

Exclution Status Eligibility to Level 06

Eligibility to DipHE

DipHE Classification

Not Eligible

Not Eligible

No

Exit