

**Department of Computer Science and Engineering  
National Institute of Technology Calicut**

NIT Campus (PO), Calicut-673601, India

**DCC Meeting Minutes**

**Date:** 27/09/2022

**Time:** 12:20 PM to 1:00 PM

**Venue/Mode:** Online

**Agenda Items:**

1. Ratification of the minutes of the DCC meeting held on 30/08/2022
2. Action Taken Action Pending Report of the last DCC meetings
3. Proposals for central research facility
4. Preparation of Course Files
5. Faculty Workload calculation guidelines for TT
6. Draft Proposal : Biometric attendance system

The DCC meeting started online at 12:20 PM. The Chairperson welcomed all members to the meeting.

**Agenda Item 1: Ratification of the minutes of the DCC meeting held on 30/08/2022**

The DCC ratified the confirmation of the minutes of the DCC meeting dated 30/08/2022

**Agenda Item 2: Action Taken Action Pending Report**

**Action items in the DCC meeting dated 30/08/2022**

Item	Status
Manpower Distribution	Suggestions regarding manpower distribution are submitted to the registrar office through the google form provided and also as a hard copy on 05/09/2022
Reappropriation of Plan Fund 2022-23	Communicated to the Office of the Dean (P&D) on 07/09/2022
Biometric Attendance System	A mail has been sent to the Director to clarify whether the non-teaching staff has the flexibility to punch-in earlier than 9 am and later than 5.30 pm, ensuring 8 working hours. Director replied positively.



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### Agenda Item 3: Proposals for central research facility

The HOD, CSED has presented two proposals from the department for the central research facility and the DCC has approved the proposals.

### Agenda Item 4: Preparation of Course Files

The list of courses to be monitored by IQAC for course file preparation for Monsoon 2022 (Annexure I) was suggested by the CSED Time Table committee and the list was approved by DCC. The selected list contain courses that have higher than 50% enrolment of the total number of students in the programmes a) B.Tech Computer Science and Engineering, b) M.Tech Computer Science and Engineering and d) M.Tech Computer Science and Engineering (Information Security). The DCC discussed and approved to start an eduserver page for submitting the documents related to coursefile for the courses identified by IQAC for NBA accreditation. The list of documents to be included in the course file by the faculty was also discussed and approved by the DCC.

### Agenda Item 5: Faculty Workload calculation guidelines for TT

The DCC discussed and approved the following guidelines for subject allocation by the CSED TimeTable Committee.

- a) The teaching workload for the faculty maybe as given below:
  - i) Professor :- 1 Theory and 1 Seminar or equivalent
  - ii) Associate Professor :- 2 Theory & 1 Lab session
  - iii) Assistant Professor :- 2 Theory & 2 Lab session

A theory course corresponds to a course session with class strength 50 (can go upto a maximum of 60) and a lab session corresponding to 2 hours of lab work for 30 (can go upto a maximum of 35) students. The credits (3 or 4) and level (UG or PG) are all considered alike for load calculation by the Time Table committee.

Project coordination for 30 PG students or project coordination of 30 batches of UG students are considered as equivalent to a lab session.

- b) The minimum strength required for a theory course to be considered for workload is 10. Faculty may offer additional courses with lesser student strength, if interested; but such courses should be in addition to the prescribed teaching workload.
- c) All faculty members are expected to offer a core theory course at least once in a year and a B.Tech core theory course at least once in two years.



  
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**Agenda Item 6: Draft Proposal : Biometric attendance system**

The draft proposal on how to operate the biometric attendance system was discussed in the meeting and HoD informed the DCC that three other departments (ECED, EED and MAT) have kept the biometric attendance system outside their office. The PhD representative said that they will prepare a request in detail addressing their concerns on the access and the time slot of the system. Further discussion on this was deferred to the next DCC meeting.

The meeting started on 27/09/2022 at 12:20 PM and closed at 1:00 PM.

**Annexure I****Course File Preparation and Outcome evaluations for Monsoon 2022.**

The Department IQAC has identified the following courses for outcome computation during Monsoon 2022, and proposes the same to the DCC for approval. The selected list contain courses that have higher than 50% enrolment of the total number of students in the programmes a) B.Tech Computer Science and Engineering, b) M.Tech Computer Science and Engineering and d) M.Tech Computer Science and Engineering (Information Security).

**Monsoon Semester - 2022****Core courses**

Sl. No.	Course Code	Course Name	Class	Credits	No. of students	Faculty Members
1	CS2001D	Logic Design	S3 B.Tech.	4	199	AP, TMS
2	CS2006D	Discrete Structures	S3 B.Tech.	4	198	LA, VAR
3	CS2002D	Program Design	S3 B.Tech.	4	198	SR, SM
4	MA2001D	Mathematics III	S3 B.Tech.	3	198	SanjayPK
5	CS2091D	Logic Design Laboratory	S3 B.Tech.	2	204	AP, JPB, TMS
6	CS2092D	Programming Laboratory	S3 B.Tech.	3	213	RH, SR, SC, RP



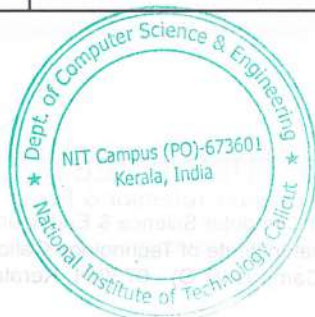
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7	CS3002D	Database Management systems	S5 B.Tech.	4	194	MP, PD
8	CS3001D	Theory of Computation	S5 B.Tech.	4	194	JP, RH
9	CS3003D	Operating Systems	S5 B.Tech.	4	193	SK, TAS
10	MS3001D	Engineering Economics	S5 B.Tech.	3	192	Dr. Althaf
11	CS4023D	Artificial Intelligence	S7 B.Tech.	4	182	GG, PNP
12	CS4098D	Project-Part 1	S7 B.Tech.	3	184	LA
13	CS6101D	Mathematical Foundations of Computer Science	S1 M.Tech. (CS&IS)	4	51	MK
14	CS6111D	Algorithms & Complexity	S1 M.Tech. (CS)	4	32	SZ
15	CS6213D	Foundations of Information Security	S1 M.Tech. (CS)	4	23	VP
16	CS6103D	Software Systems Lab	S1 M. Tech. (CS&IS)	4	51	HVN, PARK
17	CS7198D	Project	S1 M.Tech. (CS)	14	23	PC
18	CS7298D	Project	S1 M.Tech. (IS)	14	24	PC

**List of Elective courses offered**

Sl. No.	Course Code	Course Name	Class	Credits	No. of students	Faculty Members
1	CS4021D	Number Theory & Cryptography	S5 B.Tech.	4	142	RP, VAR
2	CS3095D	DBMS Lab	S5 B.Tech.	3	135	GG, JP, MP, PD
3	CS4042D	Web Programming	S7 B. Tech.	4	160	KM
4	CS4037D	Cloud Computing	S7 B. Tech.	4	123	TV
5	CS6141D	Distributed Computing	S1 M. Tech.	4	46	SDMK



  
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### Course File Preparation:

For each of the above courses, the concerned faculty members may prepare a course file and submit to the Department at the end of the semester, containing the following documents:

SI NO.	Document
1	Syllabus
2	Course Plan (include both plan and actual class/topics covered)
3	CO – PO mapping table
4	Attendance record
5	Tutorial sheets supplied to students and scheme of valuation
6	Question papers of Assignments (group or individual)/seminar/project with scheme of evaluation (along with sample answer sheets of different category) + Assignment Marks
7	Scrutinized question papers of Test papers, scheme of evaluation, Sample answer sheets + Test Paper Marks – Result Statement from DSS
8	Interim marks (Test paper marks + Assignment marks) –Statement from DSS
9	Scrutinized question paper for End semester examination, scheme of evaluation, Sample answer sheets + Final Results (Course Grade, Attendance Grade) – Result Statement from DSS
10	Final Results
11	Proof for Course Survey conducted among students (students' feedback)
12	CO and PO Assessment Calculation



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9a.	Question papers of Makeup Exams (Tests/End Sem/Supplementary exam, if any)
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### Programme Outcomes.

The programme Outcomes of various programmes are listed in the Department Website:

B.Tech CSE: <https://minerva.nitc.ac.in/?q=academics/programs/btech>

M.Tech CSE: <https://minerva.nitc.ac.in/?q=academics/programs/mtech-cse>

M.Tech CSE(IS): <https://minerva.nitc.ac.in/?q=academics/programs/mtech-cse-is>

### Completion of Data Sheet.

Each faculty member may also submit to the Department the following data sheet for each of the course, for the purpose of the concerned programme coordinator for preparing the outcome computation in Self Assessment Report (SAR) for accreditation purpose.

### COURSE CO-PO ARTICULATION MATRIX: CS XXXXD

Course Name: CS XXXXD

Class: B.Tech/M.Tech CSE/ M. Tech CSE(IS)

Course Slot: [Z] slot Instructor: [Yourname]

Session: Monsoon 2022

**Course Outcomes:** At the end of the course, the student will be able to:

1. PPPP
2. YYY Y
3. ZZZZ

Course CO-PO/PSO Mapping (Articulation) Matrix (Number of columns vary depending on the programme).

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO 1:														
CO 2:														
CO3														



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Course Name:  
Monsoon 2022

Course Code: CS XXXXD  
Number of Students:

**TABLE 2: Course Direct CO attainment Calculation**

Course Outcome	Total marks for questions for the CO across all evaluations	Cut off Score for <b>HIGH</b> attainment Out of X1/X2/X3	<b>Percentage</b> of students scoring <b>HIGH</b> attainment	Cut off Score for <b>MEDIUM</b> attainment Out of X1/X2/X3)	<b>Percentage</b> of students scoring <b>MEDIUM</b> attainment	Cut off score for <b>LOW</b> attainment out of X1/X2/X3	<b>Percentage</b> of students scoring <b>LOW</b> attainment.
CO1:	X1=	$X1 \times B_{min}/100$ =	P1=	$X1 \times D_{min} /100$ =	P2=	$X1 \times E_{min}/100$ =	P3=
CO2:	X2=	$X2 \times B_{min}/100$ =	Q1=	$X2 \times D_{min} /100$ =	Q2=	$X2 \times E_{min}/100$ =	Q3=
CO3:	X3=	$X3 \times B_{min}/100$ =	R1	$X3 \times D_{min} /100$ =	R2=	$X3 \times E_{min}/100$ =	R3=

**Grading Policy:** S: Smin-Smax, A: Amin-Amax, B: Bmin-Bmax, C: Cmin-Cmax, D: Dmin-Dmax, E: Emin-Emax, 0-Emax.

Direct CO1 attainment score:  $A = 3 \times P1/100 + 2 \times P2/100 + 1 \times P3/100 =$

Direct CO2 attainment score:  $A = 3 \times Q1/100 + 2 \times Q2/100 + 1 \times Q3/100 =$

Direct CO3 attainment score:  $A = 3 \times R1/100 + 2 \times R2/100 + 1 \times R3/100 =$

Course Name:  
Monsoon 2022

Course Code: CS XXXXD  
Number of Students:

**TABLE 3: Final CO attainment Calculation**

CO	Direct CO attainment score.	Indirect CO attainment score	Final CO attainment value (80 : 20 :: direct : indirect)
CO1	A =	P =	$J = A \times 4/5 + P \times 1/5 =$
CO2	B =	Q =	$K = B \times 4/5 + Q \times 1/5 =$
CO 3	C =	R =	$S = C \times 4/5 + R \times 1/5 =$



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